

# **2008 POST SEASON REVIEW**

## **SALMON**



### **NORTH COAST AREAS 1-6**

### **FISHERIES AND OCEANS CANADA**

# 2008 POST SEASON REVIEW

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**2008 EXPECTATIONS & RESULTS**  
**AREAS 1 TO 6 - QCI, NASS, SKEENA, GRENVILLE-PRINCIPE & BUTEDALE**

**1. Preseason Expectations**

Expected Return	Area	Sockeye	Coho	Pink	Chum	Chinook
	1	n/a	n/a	130,000	n/a	n/a
	2E	n/a	n/a	27,336	60,000	n/a
	2W	n/a	n/a	256,275	n/a	n/a
	3	350,000	n/a	1,061,604	poor	n/a
	4	1,300,000	n/a	393,320	poor	n/a
	5	n/a	n/a	107,436	poor	n/a
	6	n/a	n/a	847,401	115,000	n/a
<b>Total</b>		1,650,000	n/a	2,823,372	175,000	n/a
Interim Target Escapement *	1	147,000	unk	1,152,000	62,000	5,000
	2E	26,000	unk	721,000	468,000	0
	2W	15,000	unk	477,000	180,000	0
	3	200,000**	unk	375,500	120,000	15,890
	4	900,000**	unk	1,000,000**	55,000	41,770
	5	50,500	unk	254,500	35,000	200
	6	63,850	unk	1,450,000	520,000	40,000
<b>Total</b>		1,402,350	unk	5,430,000	1,440,000	102,860
Food, Social and Ceremonial Alloc.	1-2W	20,000	2,500	2,500	3,000	5,000
	Gitanyow	6,000	500	185	25	620
	Nisga'a Treaty ****	119,810	292,860	13,440	5,760	11,760
	4&5	216,000	5,000	30,000	1,000	15,500
	6	2,500	1,000	2,000	1,000	2,500
<b>Total</b>		364,310	301,860	48,125	10,785	35,380
Expected Commercial Net Catch	1-2W	0	unk	43,000	unk	0
	3	50,000	unk	714,652	unk	unk
	4	300,000	0	0	unk	unk
	5	5,000	0	0	unk	unk
	6	5,000	unk	0	unk	unk
<b>Total</b>		360,000	unk	757,652	unk	unk

\* Unless otherwise indicated the target escapements are based on subjective spawning capacity with some reference to historic escapement levels and subsequent returns.

\*\* Skeena and Nass sockeye and Skeena pink escapement targets are the product of stock recruitment analysis.

\*\*\* Chinook targets for the Skeena and Nass Rivers are the PST stock rebuilding goals

\*\*\*\* Nisga'a allocation based on pre-season forecast returns to Canada of "Nass Area" salmon stocks

\*\*\*\*\* Hatchery chum return to Kitimat River provides the only Area 6 surplus

**2008 EXPECTATIONS & RESULTS  
AREAS 1 TO 6 - QCI, NASS, SKEENA, GRENVILLE-PRINCIPE & BUTEDALE**

**2. Post Season Catch**

<b>Commercial</b>	<u>Area</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>
Troll *	1	466	72,854	36,216	Closed	52,147
Inseason Hail	2E	Closed	1,733	2	Closed	67
	2W	Closed	470	215	Closed	3,169
	3	Closed	Closed	0	Closed	Closed
	104	Closed	892	84	Closed	Closed
	105	Closed	1,578	16	Closed	1
	6	Closed	15,808	790	Closed	10
<b>Total</b>		12,215	93,335	37,323	0	151,436
	<u>Area</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>
Gillnet	1	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
Inseason Hail	2E	0	10	0	1,800	0
	2W	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	3	33,948	Closed	9,282	14,135	405
	4	497,320	Closed	63,544	Closed	5,224
	5	1,529	Closed	297	Closed	1
	6	61	Closed	213	3,008	48
<b>Total</b>		532,858	10	73,336	18,943	5,678
	<u>Area</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>
Seine	1	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
Inseason hail	2E	Closed	Closed	0	0	Closed
	2W	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	3	5,173	Closed	11,180	Closed	Closed
	4	195,938	Closed	91,767	Closed	Closed
Economic Opportunity Fishery	4	67,289	Closed	Closed	Closed	Closed
	5	558	Closed	179	Closed	Closed
	6	435	Closed	751	Closed	Closed
<b>Total</b>		269,393	Closed	103,877	0	0

\* Preliminary Area F troll includes areas outside of Areas 1-6 so total Area F catch is larger than Area 1-6 total catch

<b>Sport</b>	<u>Area</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>
Tidal	1	130	37,000	4,000	200	26,000
	2E	0	1,000	0	0	500
	2W	10	8,500	450	30	17,000
	3	N/A	N/A	N/A	N/A	N/A
	4	N/A	N/A	N/A	N/A	N/A
	5	unk	unk	unk	unk	unk
<b>Total</b>		140	46,500	4,450	230	43,500

\* Catch estimates are preliminary

Note: Area 3 & 4 Creel Survey results not available at time of printing

**2008 EXPECTATIONS & RESULTS  
AREAS 1 TO 6 - QCI, NASS, SKEENA, GRENVILLE-PRINCIPE & BUTEDALE**

<b>Native</b>		<u>Area</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jacks</u>	<u>Steelhead</u>
FSC	Tidal	1	150	170	0	0	520	N/A	N/A
	Non-tidal		3,292	0	0	200	0	N/A	N/A
	Tidal	2E	0	2000	0	0	50	N/A	N/A
	Non-tidal		1,595	0	0	0	0	N/A	N/A
	Tidal	2W	120	230	0	800	600	N/A	N/A
	Non-tidal		0	0	0	0	0	N/A	N/A
	Nass	3	38,293	2,466	968	220	4,647	N/A	N/A
	Non-tidal	4	122,256	2,136	1,137	27	8081 (incl. Jacks)		N/A
	Tidal	4	36,061	575	1,482	307	820 (incl. Jacks)		N/A
	Tidal	5							
	Tidal	6							
	<b>Total</b>		<b>201,767</b>	<b>7,577</b>	<b>3,587</b>	<b>1,554</b>	<b>5,817</b>	<b>0</b>	<b>0</b>
Treaty	Nisga'a Individual Sale Fisheries	3	17,728	793	3,438	276	0	0	0
	<b>Total</b>		<b>17,728</b>	<b>793</b>	<b>3,438</b>	<b>276</b>	<b>0</b>	<b>0</b>	<b>0</b>
ESSR		2E	0	0	0	0	0	0	0
		3	0	0	0	0	0	0	0
		4	234,194	0	0	0	0	0	0
	<b>Total</b>		<b>234,194</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**3. Escapement (preliminary)**

	<u>Area</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>
	1	9,100	N/A	607,750	600	N/A
	2E	8,500	10,000	141,500	33,850	N/A
	2W	1,500	405	44,240	36,750	N/A
	3	153,790	4,967	58,742	14,649	5,509
	4	954,915	17,947	65,181	510	21,374
	5	2,600	992	22,049	2,141	150
	6	11,010	11,132	156,301	17,015	135
	<b>Total</b>	<b>1,141,415</b>	<b>45,038</b>	<b>1,095,763</b>	<b>105,515</b>	<b>27,168</b>

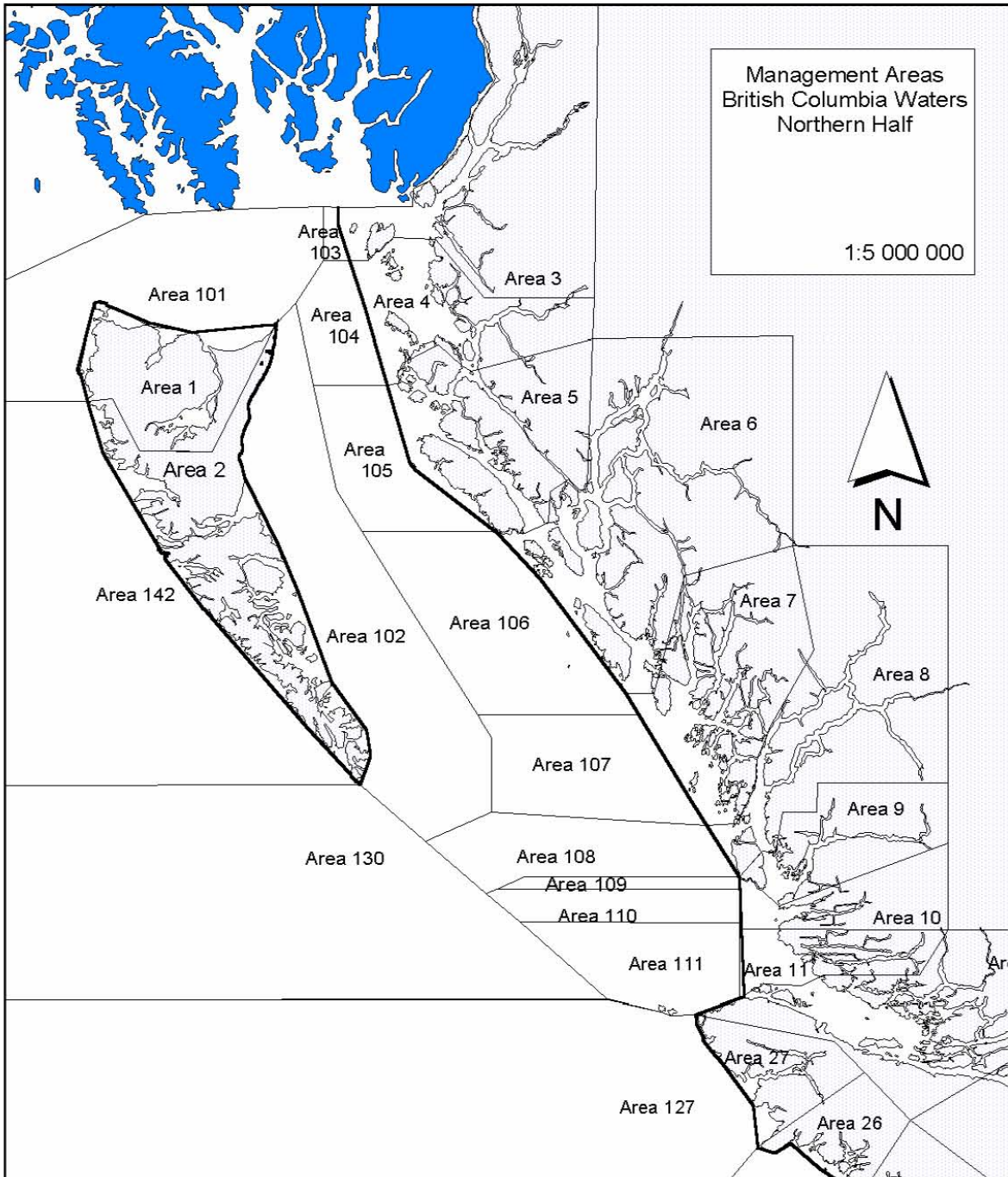
Note: Data compiled from 2008 Preliminary Escapement Estimates

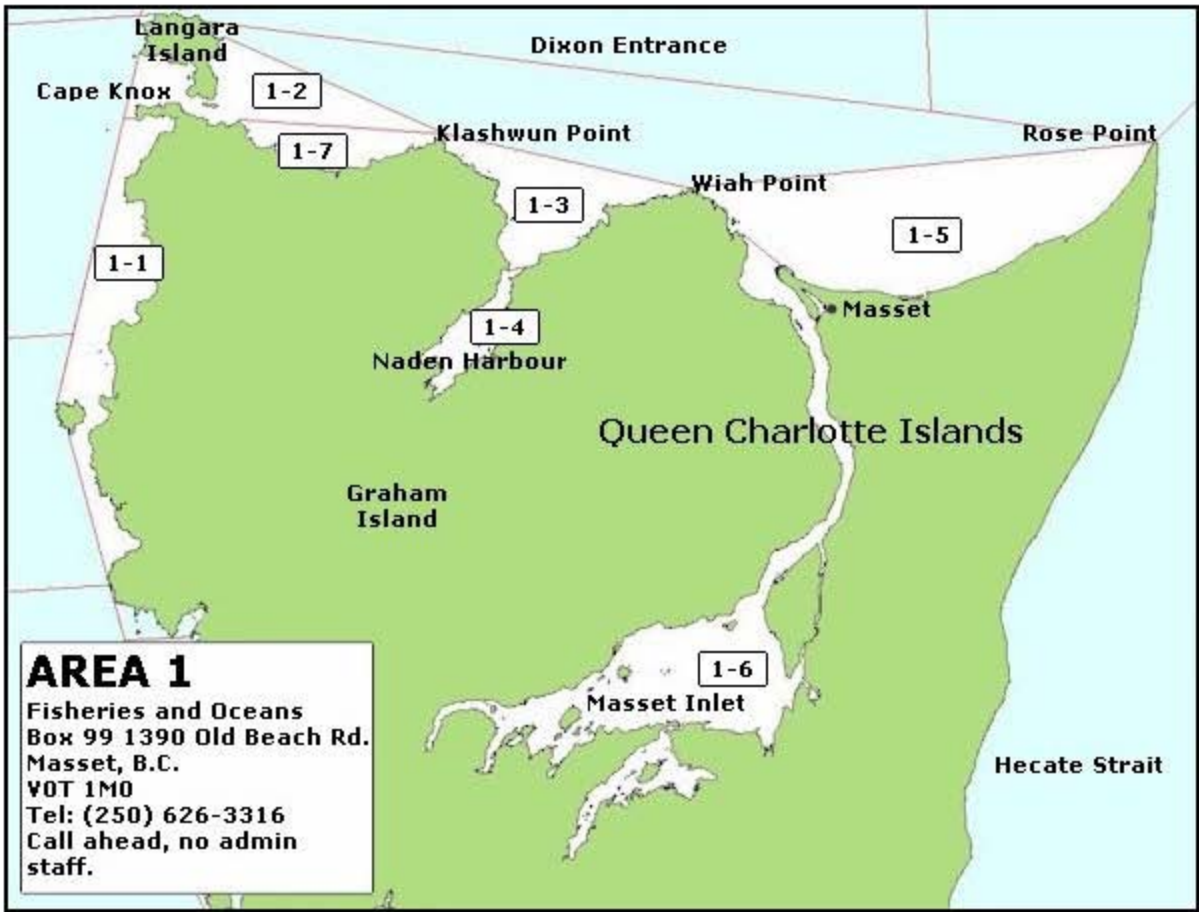
**2008 EXPECTATIONS & RESULTS**  
**AREAS 1 TO 6 - QCI, NASS, SKEENA, GRENVILLE-PRINCIPE & BUTEDALE**

**4. Commercial Fishery Statistics**

	<u>Area</u>	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Closed for Balance</u>	<u>Number of Openings</u>	<u>Total Boat Days *</u>
Gillnet	1	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	2E	Oct. 18	Oct. 18		1	1
	2W	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	3	Jun. 24	Jul. 27	Aug. 21	7	567
	4	Jul. 7	Aug. 7	Aug. 21	13	2,213
	5	Jun. 24	Jul. 28		10	19
	6	Jul. 14	Jul. 29	Aug. 21	5	19
Seine	1	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	2E	Oct. 19	Oct. 19		1	1
	2W	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	3	Jul. 14	Jul. 29	Aug. 21	4	61
	4	Jul. 22	Aug. 6	Aug. 21	14	275
	5	Jul. 15	Jul. 21		2	10
	6	Jul. 14	Jul. 14	Aug. 21	1	5
Troll		Jun. 20	Sept. 30		n/a	

\* Converted to 24 hour days





## **2008 Post Season Summary and Assessment**

### **Area 1**

#### **First Nations**

Salmon fishing for food, social, and ceremonial purposes is open April 1, 2008 to March 31, 2009.

#### **Haida**

Sockeye – 3,292 (terminal) and 150 (interception)

Coho – 170

Pink – 0

Chum – 200

Chinook – 520

#### **FCS Review**

The 2008 Haida traditional sockeye fisheries in Masset Inlet streams proceeded under the direction of the Masset Inlet Advisory Committee. The Haida Fisheries Program provided technical advice to the committee and Haida Fisheries Guardians monitored the fisheries and provided onsite management in Masset Inlet. Harvest information for Naden Harbour was obtained through interviews with harvesters post season. Terminal sockeye returns normally support only a small percentage of the community requirements. Harvests were considered average for the 2008 season. In previous years the majority of FSC salmon are harvested within Dixon Entrance by seine, gillnet and troll gear, particularly in the Langara Island area. There was some effort by individuals fishing with gillnet and troll gear. However there was no effort to harvest migrating sockeye by seine which would normally occur during July and/or August. As a result the FSC needs of the Old Massett community were not met during the 2008 season.

#### **ESSR Review**

An ESSR licence was prepared to allow for the harvest of surplus pink salmon to the Yakoun River, however the return was below the desired target escapement and therefore no harvest occurred.

#### **Recreational (Tidal)**

Chinook salmon open January 1 to December 31. Daily limit two.

Coho salmon open January 1 to December 31 with a daily limit of four. In the tidal portion of all streams the daily limit of coho was two.

Sockeye, pink, and chum salmon open January 1 to December 31. Daily limit four.

The waters of Masset Inlet and Sound south of a line from Griffiths Point are closed to chinook retention from May 15 to October 31.

The waters of Masset Inlet and Sound south of a line from Entry Point to Westacott Point are closed to chinook retention from June 15 to October 31.

In the tidal portion of all streams only a single barbless hook may be used.

#### **Recreational (Non-tidal)**

Coho salmon open April 1 to October 31 for four per day, only one over 50 cm.

Coho salmon closed November 1, 2008 to March 31, 2009.

Sockeye, pink, chum, and chinook salmon closed January 1 to December 31.

In the non-tidal portion of all streams only a single barbless hook may be used.

### **Recreational Review**

The interception salmon sport fishery receives some participation by locals over the winter months, however consistency in effort begins around early April. Initial effort is mostly by local independent anglers departing out of Masset, however the most significant portion of the sportfishing season develops mid May and continues to mid September. In addition to a significant fleet made up of independent anglers and charter operators, mostly operating in McIntyre Bay and Virago Sound, there were 9 fly in lodge operations (floating and land based) within Area 1; 6 present at Langara and 3 in Naden Harbour. Approximately 26,000 chinook have been harvested in Area 1 during the 2008 season. This is a decrease of approximately 16% when compared to the total harvest of 31,000 during the 2007 season.

### **Commercial Net Fishery Summary**

Passing Skeena sockeye stocks are harvested in Areas 3, 4 and 5. Fall fisheries are expected to occur on identified surpluses of local chum salmon.

Anticipated net openings to harvest terminal chum salmon will be determined in season on identified surpluses.

### **Commercial Net Review**

There were no surplus terminal chum salmon harvest opportunities identified in Area 1 during the 2008 season.

### **Commercial Troll**

#### **Area 1/101**

#### **Management Plan**

#### **Sockeye**

Open to sockeye east of 133 degrees longitude to Area 104 (Two Peaks).

#### **Coho**

Areas 1 and 101 open to coho salmon commencing 0001 July 25, until further notice. A ribbon boundary is established from Cape Knox to Skonun Point which will be in effect for the 2008 salmon season. The northern half of Dixon Entrance (A-B Line) opens to coho commencing 0001 July 1 until 2359h July 24 and from 0001h July 25 to 2359h September 30.

#### **Pink**

Areas 1 and 101 open to pink salmon commencing 0001 June 15 in conjunction with the ITQ Demonstration fishery until further notice. A ribbon boundary is re-established from Cape Knox to Skonun Point for the 2008 salmon season. The northern half of Dixon Entrance open to pink salmon commencing 0001 July 1 until 2359 h September 30.

#### **Chum**

Non-retention and non-possession of chum salmon for the 2008 season.

#### **Chinook**

Subareas and portions of Subareas 1-1 to 1-3, 1-5, 101-1 to 101-10 and Ptn 142-2 north of 53 degrees 43 minutes north opens from June 20 until further notice. Chinook fishery managed using ITQ harvest style so as not to exceed the total WCVI exploitation rate of 3.2% (3,580 pieces) and the PST TAC of 64,800 Chinook. Central Coast and Hecate Strait remain closed due to WCVI and other South coast migratory stock concerns. Rockfish Protection Areas closed to trolling all year and the Ribbon Boundary in effect from June 20 until further notice along the north shore of Graham Island.

### **Commercial Troll Review**

The majority of catch and effort was reported in Areas 1/101. A total of just over 3,706 boat days were recorded in these Areas with 809(21.8%) in Area 1. A harvest of 466 sockeye, 72,854 coho and 36,216 pink (67 chum reported). A total of 52,147 Chinook were realized in these areas and Area 2W.

**AREA 1 (preliminary) STREAM ESCAPEMENTS - 2008**

STREAM	SOCKEYE		COHO		PINK		CHUM	
<u>MASSET SUBAREA</u>								
Ain River	A/P	(15,000)	N/I	(20,000)	22,000		A/P	(25,000)
Awun River	3,500	(20,000)	N/I	(8,000)	6,500		N/I	(15,000)
Datlamen Creek	-		N/I	(5,000)	40,000	(30,000)	N/I	
Mamin River	-		N/I	(15,000)	12,000	(50,000)	N/I	
McClinton Creek	-		N/I		250		-	
Nadu Creek	-		N/I		-		-	
Yakoun River	3,100	(45,000)	A/P	(45,000)	300,000	(650,000)	N/I	

Yakoun River chinook salmon escapement estimated at 5,000 (desired escapement of 5,000 chinook).

STREAM	SOCKEYE		COHO		PINK		CHUM	
<u>NADEN SUBAREA</u>								
Davidson Creek	N/I		N/I		70,000	(100,000)	N/O	
Lignite Creek	N/I		N/I		55,000	(50,000)	N/O	
Naden River	2,500	(20,000)	N/I		90,000	(100,000)	A/P	(20,000)
Stanley Creek	N/I		N/I		N/O		600	(2,000)

STREAM	SOCKEYE		COHO		PINK		CHUM	
<u>OUTSIDE SUBAREA</u>								
Chown River	-		N/I		-		-	
Hiellen River	-		N/I		-		-	
Jalun River	N/I	(20,000)	N/I		12,000	(50,000)	-	

Note: Although the number in brackets is not a biological escapement goal, it is to assist management in the determination of what an interim goal could be (the level of abundance which may trigger surplus harvest opportunities).

A/P - Adults Present      N/O - None Observed      N/I - Not Inspected

(preliminary)

**Queen Charlotte Islands Food, Social, & Ceremonial Fishery Catch Summary - 2008**

Area	Location	Period	Sockeye	Coho	Pink	Chum	Chinook	Comments
1	Yakoun River	early May to early June	1,481	0	0	0	0	gillnet terminal sockeye
	Ain River	early June to mid August	22	0	0	0	0	* gillnet terminal sockeye
	Awun River	late May to mid June	930	0	0	0	0	gillnet terminal sockeye
	Naden River	mid July to mid August	859	0	0	0	0	gillnet terminal sockeye
	Dixon Entrance	July & August	0	0	0	0	0	no effort this year
	Dixon Entrance	late June to mid August	150	20	0	0	20	interception gillnet
	Dixon Entrance	June, July & August	0	150	0	0	500	interception troll/sportfish
	Ain River	October	0	0	0	200	0	gillnet terminal chum
Area 1 Total Catch			3,442	170	0	200	520	
Total QCI Food, Social & Ceremonial Harvests			5,157	2,400	0	1,000	1,170	

Catch information for terminal sockeye has been provided by the Haida Fisheries Program.

Interception catch information is based on a variety of information sources and is only an estimate.

\* Terminal sockeye harvest conducted by 1 gillnet one day each week for two weeks as an abundance indicator.



## **2008 Post Season Summary and Assessment**

### **Area 2 East**

#### **First Nations**

Salmon fishing for food, social, and ceremonial purposes is open April 1, 2008 to March 31, 2009.

#### **Haida**

Sockeye – 1,595 (terminal)

Coho – 2,000

Pink – 0

Chum – 0

Chinook – 50

#### **FSC Review**

Local food fisheries are normally toward sockeye as the primary target species in late spring and early summer and to a much lesser degree toward coho later in the fall. The Copper River sockeye fishery, which is managed by the Haida Fisheries Program, provided minimal opportunity for a community harvest. Terminal sockeye returns support only a small percentage of the community requirements. The majority of salmon FSC fish are harvested by seine from interception stocks passing by outer Rennell Sound in Area 2 West. However, only a very minimal amount of sockeye was harvested by seine resulting in a higher than normally amount of effort to harvest coho in East Skidegate Inlet in the fall.

#### **ESSR Review**

An ESSR licence was issued to the Haida Tribal Society to harvest pink salmon and enhanced stock coho from Pallant Creek and Braverman Creek. Although the pink salmon return achieved the desired target escapement no surplus was identified to support a harvest. Coho abundance was below what was required to meet escapement and brood stock objectives. As a result no coho were harvested at the Pallant Creek fence for commercial sales during the 2008 season.

#### **Pallant Creek Hatchery Cost Recovery Review**

In recent years an “Aboriginal Communal Salmon Fishing Licence” was issued authorizing fishing for an allocation of 35% of the total catch of chum and 75% of the total allowable catch of coho. This harvest was referred to as the “Pallant Creek Hatchery Cost Recovery Fishery” and was intended to provide revenue which would go back into the operation of the hatchery. A court ruling referred to as the “Larocque” decision has resulted in this revenue generating initiative having to be discontinued in 2007.

#### **Recreational (Tidal)**

Chinook salmon open January 1 to December 31. Daily limit two.

Coho salmon open January 1 to December 31 with a daily limit of four. In the tidal portion of all streams (other than Pallant Creek and Braverman Creek) the daily limit of coho was two.

Sockeye salmon open January 1 to December 31, daily limit of four, except for a local closure in subareas 2-1 and 2-2 (west of a line from Lawn Point to Gray Point) where non-retention of sockeye is in effect from April 1 to July 15.

Pink and chum salmon open January 1 to December 31, daily limit four, except for a local closure in the waters of Skidegate Inlet shoreward of a line between two boundary signs on either side of Sachs Creek estuary from August 15 to October 31.

In the tidal portion of all streams only a single barbless hook may be used.

#### **Recreational (Non-tidal)**

Coho salmon open April 1 to October 31 for four per day, only one over 50 cm., except in Braverman Creek and Pallant Creek which is four per day, only two over 50 cm.

Coho salmon closed November 1, 2008 to March 31, 2009.

Sockeye, pink, chum, and chinook salmon closed January 1 to December 31.

In the non-tidal portion of all streams only a single barbless hook may be used.

### **Recreational Review**

The early chinook salmon fishery in East Skidegate during mid March to mid May was reported to be poor. Some chinook fishing does occur along the east side during the summer, however the total harvest of chinook in Area 2 East is usually minimal in comparison to the amount of recreationally intercepted salmon harvested annually on the west and north coasts of the Queen Charlotte Islands.

Area 2 East is most recognised for its fall coho fisheries which occur along the shores and in key producing streams of East Skidegate Inlet, Cumshewa Inlet, Copper Bay and Tlell. During the 2008 terminal season coho abundance was reported to be poor to average by most recreational anglers.

### **Commercial Net Fishery Summary**

Wild and enhanced terminal chum salmon harvest opportunities were to be considered only when surpluses have been identified.

### **Commercial Net Review**

The only surplus terminal chum salmon harvest opportunity identified in Area 2 East during the 2008 season occurred in Cumshewa Inlet. On October 8 an abundance of chum was visually identified that created the expectation that a surplus may be present, however the escapement of chum into Pallant Creek and brood stock collected for the hatchery were far below desired levels. Net fishing opportunities were discussed by the Pallant Creek Community Advisory Committee on October 9<sup>th</sup>, 14<sup>th</sup> and 16<sup>th</sup>. On October 16<sup>th</sup> a net fishery was announced for October 19<sup>th</sup> in Cumshewa Inlet. On Sunday, October 19<sup>th</sup> subareas 2-3 and 2-4 opened to both gillnets and seines. Weather was very poor the night prior and throughout the opening day. Only 2,000 chum were harvested, half by 3 gillnets and the other half by 4 seines. The fishery was reopened on Monday, October 20<sup>th</sup> and although the weather improved the fishing did not. The total catch by both gillnets and seines was only 3,800 chum.

### **Commercial Troll**

#### **Area 2E/102**

#### **Management Plan**

#### **Sockeye**

Closed for the 2008 salmon season as Fraser River stocks migrating through the Area.

#### **Coho**

Area 102 open to coho salmon commencing 0001 hours July 25 until further notice. All areas inside the surflines closed until surpluses identified.

#### **Pink**

Area 102 open to pink salmon commencing 0001 hours July 25 until further notice. Inside surflines areas closed for conservation of local coho stocks.

#### **Chum**

Closed for the 2008 season until terminal surpluses identified. Cumshewa Inlet is the only area that may yield harvestable surpluses.

#### **Chinook**

Closed for the 2008 salmon season.

### **Commercial Troll Review**

A total of 63 boat days were utilized in Area 102 (2E) in 2008. Most of the catch and effort was concentrated in Subarea 102-1 with 1,733 coho and 2 pink salmon reported.

### AREA 2E COMMERCIAL SEINE CATCH BY WEEK FOR 2008

DATE	# OF SEINES	HOURS OPEN	BOAT		COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS	
			FISHING	SOCKEYE						
WEEK 42										
19-Oct	4	15	3		0	4	0	1000	0	2-4, 5
20-Oct	4	15	3		0	4	0	1000	0	2-4, 5
TFW	8	30	5		0	8	0	2000	0	
TTD	8	30	5		0	8	0	2000	0	

### AREA 2E COMMERCIAL GILLNET CATCH BY WEEK FOR 2008

DATE	# OF GILLNETS	HOURS OPEN	BOAT		COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS	
			FISHING	SOCKEYE						
WEEK 42										
19-Oct	3	15	2		0	6	0	1000	0	2-4, 5
20-Oct	3	15	2		0	4	0	800	0	2-4, 5
TFW	6	30	4		0	10	0	1800	0	
TTD	6	30	4		0	10	0	1800	0	

**AREA 2 EAST (preliminary) STREAM ESCAPEMENTS - 2008**

STREAM	SOCKEYE		COHO		PINK		CHUM	
<u>TLELL SUBAREA</u>								
Tlell River	-		10,000	(25,000)	8,000	(25,000)	-	

STREAM	SOCKEYE		COHO		PINK		CHUM	
<u>SKIDEGATE SUBAREA</u>								
Branch 10 Creek	-		N/I		-		N/I	
Cameron Creek	-		N/I		N/I		N/I	
Carson Bigalow Creek	-		N/I		-		N/I	
Charlie Hartie Creek	-		N/I		-		N/I	
Crabapple Creek	-		N/I		-		N/I	
Deena River	-		A/P	(12,000)	92,000	(100,000)	2,500	(30,000)
East Narrows Creek	-		N/I		N/I		N/I	(2,500)
East Narrows Canbouy Creek	-		N/I		N/I		N/I	
East Narrows Dolphine Creek	-		N/O		N/I		100	
Gore Brook Creek	-		N/I		-		N/I	
Haans Creek	-		N/I	(2,500)	N/I	(5,000)	N/I	(2,000)
Honna River	-		N/I	(2,000)	N/I	(25,000)	N/I	(10,000)
Indian Cabin Creek	-		N/O		N/I		2,100	(8,000)
Indian Cabin R/H Creek	-		N/I		N/I		N/I	
Jarvis Creek	-		N/I		-		N/I	
Lagins Creek	-		A/P	(3,000)	300	(3,500)	12,000	(25,000)
Lagins R/H Creek	-		N/I		N/I		N/I	
Lawn Creek	-		N/I		-		N/I	
MacMillan Creek	-		N/I		-		N/I	
Maude Island South Creek	-		N/I		-		N/I	
Mud Bay Creek	-		N/I		N/I		850	(3,000)
Muncord Creek	-		N/I		-		N/I	
Outlook Creek	-		N/I		-		N/I	(2,500)
Sachs Creek	-		N/I	(500)	N/I	(10,000)	N/I	(3,500)
Saltspring Creek	-		N/I	(250)	A/P		1,400	(2,500)
Saltspring Bay L/H Creek	-		N/I		N/I		N/I	
Skidegate Chan. South Creek	-		N/I		-		N/I	
Slatechuck Creek	-		A/P	(2,000)	1,200		15,000	(18,000)
Slatechuck R/H Creek	-		N/I		N/I		N/I	
South Bay Dump Creek	-		N/I		N/I		N/I	
South Bay Culvert Creek	-		N/I		N/I		N/I	
Tarundl Creek	-		N/I	(1,500)	N/I		N/I	(5,000)
Two Torrent Creek	-		N/I		N/I		N/I	(2,500)

STREAM	SOCKEYE		COHO		PINK		CHUM	
<u>COPPER SUBAREA</u>								
Blaine Creek	-		N/I		-		-	
Copper River	8,500	20,000	A/P	(15,000)	40,000	(75,000)	N/I	
Grey Bay Creeks (4)	-		N/I		-		-	
Sheldons Bay Creek	-		N/I		-		-	

Note: Although the number in brackets is not a biological escapement goal, it is to assist management in the determination of what an interim goal could be (the level of abundance which may trigger surplus harvest opportunities).

A/P - Adults Present

N/O - None Observed

N/I - Not Inspected

(preliminary)

**Queen Charlotte Islands Food, Social, & Ceremonial Fishery Catch Summary - 2008**

Area	Location	Period	Sockeye	Coho	Pink	Chum	Chinook	Comments
2 East	Copper River	June	1,595	0	0	0	0	gillnet terminal sockeye
	Skidegate Inlet	early Sept. to mid Oct.	0	2,000	0	0	50	terminal sportfish
Area 2 East Total Catch			1,595	2,000	0	0	50	
2 West	Rennell Sound	August	120	80	0	800	200	interception seine
	West Skidegate	early June to Sept.	0	150	0	0	400	interception troll/sportfish
Area 2 West Total Catch			120	230	0	800	600	

Total QCI Food, Social & Ceremonial Harvests			5,157	2,400	0	1,000	1,170	
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Catch information for terminal sockeye has been provided by the Haida Fisheries Program.

Interception catch information is based on a variety of information sources and is only an estimate.

## **2008 Post Season Summary and Assessment**

### **Area 2 West**

#### **First Nations**

Salmon fishing for food, social, and ceremonial purposes is open April 1, 2008 to March 31, 2009.

#### **Haida**

Sockeye – 120 (interception)

Coho – 230 (interception)

Pink – 0

Chum – 800

Chinook – 600

#### **FSC Review**

There were no attempts at harvesting terminal stocks for food fish in Area 2 West during the 2008 season. The interception harvest of passing sockeye salmon stocks was attempted by seine at Rennell Sound in mid to late August however abundance was low and the harvest of sockeye very minimal. Food fish harvests by troll gear occur mostly in the West Skidegate area.

#### **ESSR Review**

There were no ESSR licences issues for Area 2 West during 2008.

#### **Recreational (Tidal)**

Chinook salmon open January 1 to December 31. Daily limit two.

Coho salmon open January 1 to December 31 with a daily limit of four. In the tidal portion of all streams the daily limit of coho was two.

Sockeye, pink, and chum salmon open January 1 to December 31, daily limit of four.

Sockeye closed May 15 to August 15 in the waters of Fairfax Inlet shoreward of a line from Magneson Point to Reid Point.

In the tidal portion of all streams only a single barbless hook may be used.

#### **Recreational (Non-tidal)**

Coho salmon open April 1 to October 31 for four per day, only one over 50 cm.

Coho salmon closed November 1, 2008 to March 31, 2009.

Sockeye, pink, chum, and chinook salmon closed January 1 to December 31.

In the non-tidal portion of all streams only a single barbless hook may be used.

#### **Recreational Review**

The interception salmon sport fishery begins around early April. Initial effort is mostly by local independent anglers departing out of Queen Charlotte and Sandspit, however the most significant portion of the sportfishing season develops late May and continues to mid September. In addition to a significant fleet made up of independent anglers and charter operators, mostly operating in the West Skidegate area, there were 5 fly in lodge operations set up in Port Louis, Nesto Inlet, Kano Inlet, Douglas Inlet and Tasu Sound in Area 2 West during the 2008 interception season. Approximately 17,000 chinook have been harvested in Area 2 West during the 2008 season. This is approximately an 11% decrease over the approximately 22,500 chinook harvested during the 2007 season.

### **Commercial Net Fishery Summary**

No gillnet or seine fisheries will be directed on passing stocks. Terminal fisheries will be directed on identified surpluses of local chum salmon stocks.

### **Commercial Net Review**

There were no surplus terminal chum salmon harvest opportunities in Area 2 West during the 2008 season.

### **Commercial Troll**

#### **Area 2W/142**

#### **Management Plan**

##### **Sockeye**

Closed for the 2008 salmon season for conservation of Fraser River stocks.

##### **Coho**

Coho closed inside the surpline for conservation of local QCI stocks.

##### **Pink**

Incidental harvest permitted during directed chinook fishery commencing 0001 hours June 20, 2008.

##### **Chum**

Closed in 2008. Terminal opportunities may be announced in-season depending on run strength.

##### **Chinook**

Subareas 2-88 to 2-100 and portion of Subarea 142-2 open above Tian Head June 20 until further notice incorporating the requirement to not exceed exploitation rate allowance (3.2%) of WCVI Chinook which equates to 3,254 pieces.

The Chinook TAC reflects the AABM of the Pacific Salmon Treaty and will provide for reduced harvest opportunities in 2008. The fishery will remain open until Chinook TAC and/or WCVI mortalities allowance achieved or until September 30 whichever comes first. Area 142 closed south of Hippa Island all year due to high prevalence of WCVI Chinook and for conservation of local coho stocks.

The Rockfish Protection Areas – Lower Moresby – Subareas 2-31 to 2-37 and Frederick Island - Portions of Subareas 1-1, 101-1 and 101-2 closed to trolling all year.

### **Commercial Troll Review**

A total harvest of 470 coho, 215 pink utilizing 226 boat days were reported from Area 142. Chinook catch has been captured in Areas 1 and 101.

**AREA 2 WEST (preliminary) STREAM ESCAPEMENTS - 2008**

STREAM	SOCKEYE		COHO		PINK		CHUM	
<b>ATHLOW/OTARD SUBAREA</b>								
Celestial River	-		N/I	(1,500)	N/I	(10,000)	N/I	(4,000)
Coates Creek	-		N/I	(5,000)	N/I		N/I	
Hobbs Creek	-		N/I		N/I		N/I	(2,000)
Mace Creek	-		N/I	(1,500)	N/I		N/I	(5,000)
Mercer Creek	1,500	(10,000)	N/I	(2,000)	N/I	(10,000)	N/I	(5,000)
Nesto Creek (inner)	-		N/I		N/I		N/I	(2,500)
Nesto Creek (outer)	-		N/I		-		N/I	
Otard Creek	-		N/I		N/I	(10,000)	N/I	
Port Louis Creek	-		N/I		-		N/I	
Steel Creek	-		N/I	(1,000)	-		N/I	(2,500)

STREAM	SOCKEYE		COHO		PINK		CHUM	
<b>RENNELL SUBAREA</b>								
Bonanza Creek	-		N/I	(1,500)	3,500	(25,000)	N/I	(1,000)
Clapp Basin Creek	-		N/I		-		N/I	
Clonard Bay Creek	-		N/I		N/I		N/I	(1,000)
Givenchy Anchorage Creek	-		N/I		N/I		N/I	
Gregory Creek	-		N/I	(500)	500	(25,000)	N/I	(1,000)
Indian Bay Creek	-		N/I		N/I		N/I	
Kano Creek (head)	-		N/I		15,000	(20,000)	N/I	(4,000)
Kano Creek (outer)	-		N/I		10	(8,000)	N/I	(3,000)
Mountain Creek	-		N/I		N/I		N/I	(2,000)
Rennell Creek	-		N/I		N/I		N/I	(1,500)
Riley Creek	-		N/I	(2,000)	1,500	(20,000)	N/I	(4,000)
Rock Run Creek	-		N/I	(1,000)	N/I		N/I	(3,500)
Seal Inlet Creek	-		N/I	(1,000)	N/I	(10,000)	N/I	(6,000)
Shields Creek	-		N/I		N/I		N/I	
Tartu Creek (head)	-		N/I	(750)	N/I	(17,500)	N/I	(2,500)
Tartu Creek (outer)	-		N/I	(500)	N/I	(15,000)	N/I	(2,000)
Yakoun Trail Creek	-		N/I		N/I		N/I	(1,500)

STREAM	SOCKEYE		COHO		PINK		CHUM	
<b>W. SKIDEGATE SUBAREA</b>								
Buck Channel Creek #8	-		N/I		N/I		N/I	
Buck Channel Creek #5	-		N/I		N/I		N/I	
Buck Channel Creek #4	-		N/I		N/I		N/I	
Buck Channel Creek #1	-		N/I		N/I		N/I	
Buck Channel Creek #6	-		N/I		N/I		N/I	
Buck Channel Creek #3	-		N/I		N/I		650	
Buck Channel Creek #2	-		N/I		N/I		N/I	
Canoe Pass Creek	-		N/I		N/I		800	(2,000)
Dawson Harbour Creek	-		60	(300)	N/I		1,100	(3,000)
Dawson Inlet Creek	-		55	(200)	A/P		750	(1,000)
Government Creek	-		N/I	(2,000)	17,500	(36,000)	1,200	(7,500)
Trounce Creek (head)	-		N/I	(300)	A/P		750	(4,000)
Trounce R/H Creek	-		N/I		N/I		950	(3,500)
West Narrows Creek	-		N/I		N/I		A/P	(3,000)

Note: Although the number in brackets is not a biological escapement goal, it is to assist management in the determination of what an interim goal could be (the level of abundance which may trigger surplus harvest opportunities).

A/P - Adults Present

N/O - None Observed

N/I - Not Inspected

**AREA 2 WEST (preliminary) STREAM ESCAPEMENTS - 2007**

STREAM	SOCKEYE		COHO		PINK		CHUM	
<b>ENGLEFIELD SUBAREA</b>								
Boomchain Bay Creek	-		N/I		400		130	
Bottle Inlet Creek	-		A/P	(200)	N/I		250	(2,000)
Douglas Inlet Creek (head)	-		N/I		N/I		N/I	
Douglas Inlet R/H Creek	-		N/I		N/I		N/I	(1,000)
Inskip Creek	-		N/I		200	(10,000)	750	(1,500)
Kaisun Creek	-		N/I	(500)	2,600	(30,000)	A/P	(1,500)
Kootenay Inlet Creek (north)	-		100	(500)	N/I		150	(5,000)
Kootenay Inlet Creek (south)	-		50	(500)	30		800	(5,000)
MacKenzie Cove Creek	-		N/I	(500)	N/I	(20,000)	N/I	(2,000)
Mitchell Inlet spillway (Gold Hb)	-		A/P		N/I		4,100	(4,000)
Mudge Creeks (3)	-		N/I		-		250	(1,000)
Peel Inlet Creek (head)	-		A/P	(200)	A/P		1,400	(3,500)
Peel Inlet L/H #1 Creek	-		N/I		N/I		400	(1,500)
Peel Inlet L/H #2 Creek	-		N/I	(200)	N/I		2,400	(3,500)
Security Inlet L/H Creek	-		N/I	(2,000)	450	(40,000)	700	(15,000)
Security Inlet R/H Creek	-		A/P	(1,000)	150	(20,000)	150	(5,000)

STREAM	SOCKEYE		COHO		PINK		CHUM	
<b>TASU SUBAREA</b>								
Botany Inlet Creek (head)	-		50	(300)	-		5,500	(5,000)
Botany Inlet Creek (outer)	-		50		-		4,400	(4,000)
Edwards Creek	-		N/I		-		N/I	
Fairfax Inlet Creek	N/I	2,000	N/I	(1,000)	-		4,100	(3,000)
Fairfax Outer Creek	-	2,000	N/I	(1,000)	-		N/I	(3,000)
Flat Creek	-		N/I		-		1,400	(2,000)
Lomgon Creek	-		N/I		-		N/I	
Tasu Creek	-		40	(1,000)	2,400	(2,000)	3,500	(10,000)
Wilson Bay Creek	-		N/I		-		170	(2,000)

STREAM	SOCKEYE		COHO		PINK		CHUM	
<b>SOUTH SUBAREA</b>								
Flamingo Inlet Creek	-		N/I		N/I		N/I	
Louscoone Inlet Creek (outer)	-		N/I		N/I		N/I	
Louscoone Inlet Creek	-		N/I		N/I		N/I	
Sperm Bay Creek	-		N/I		N/I		N/I	
Staki Creek	-		N/I		N/I		N/I	
Goski Bay Creek	-		N/I		N/I		N/I	
Yakulanas Creek	-		N/I		N/I		N/I	

Note: Although the number in brackets is not a biological escapement goal, it is to assist management in the determination of what an interim goal could be (the level of abundance which may trigger surplus harvest opportunities).

A/P - Adults Present

N/O - None Observed

N/I - Not Inspected

(preliminary)

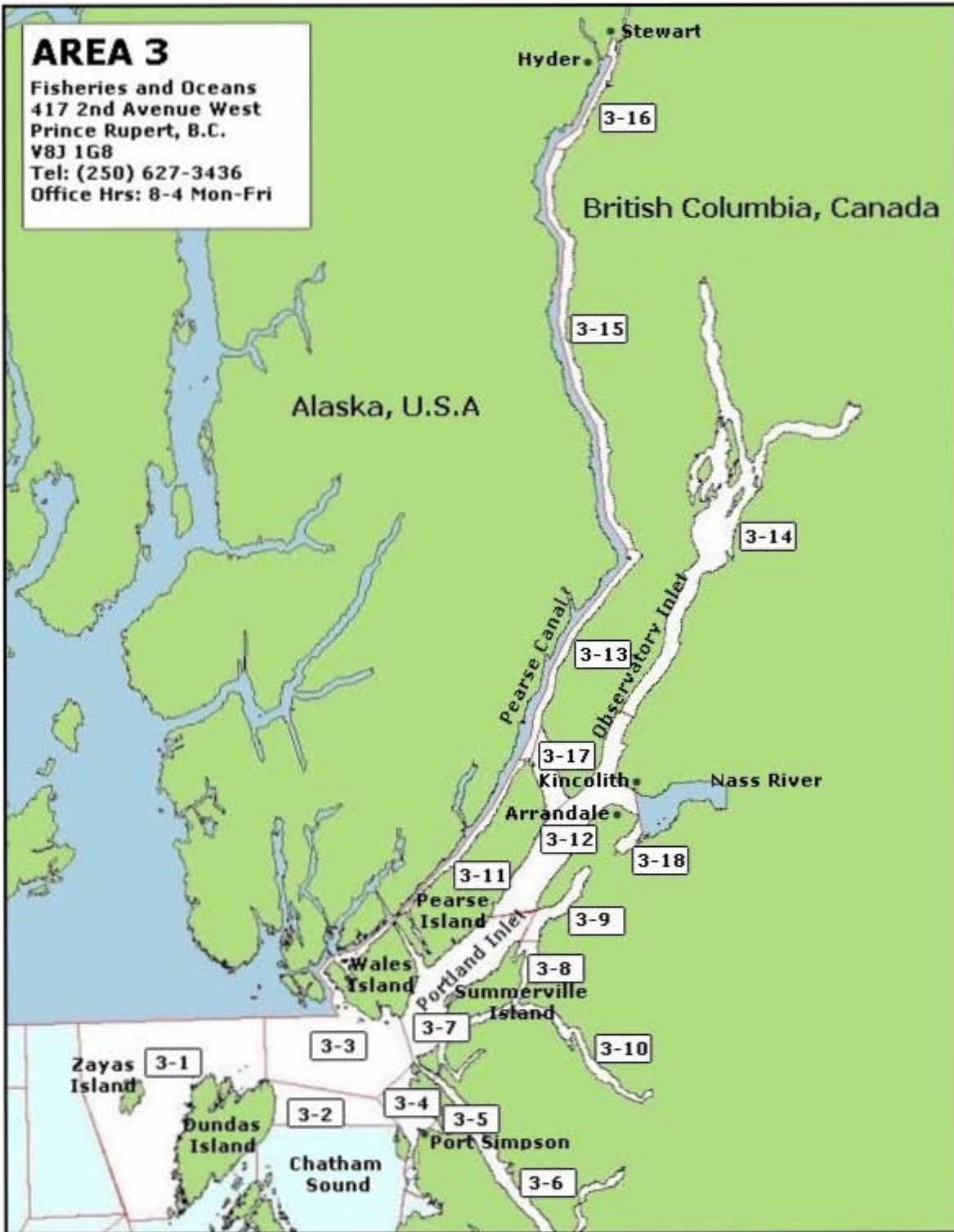
**Queen Charlotte Islands Food, Social, & Ceremonial Fishery Catch Summary - 2008**

Area	Location	Period	Sockeye	Coho	Pink	Chum	Chinook	Comments
2 East	Copper River	June	1,595	0	0	0	0	gillnet terminal sockeye
	Skidegate Inlet	early Sept. to mid Oct.	0	2,000	0	0	50	terminal sportfish
Area 2 East Total Catch			1,595	2,000	0	0	50	
2 West	Rennell Sound	August	120	80	0	800	200	interception seine
	West Skidegate	early June to Sept.	0	150	0	0	400	interception troll/sportfish
Area 2 West Total Catch			120	230	0	800	600	

Total QCI Food, Social & Ceremonial Harvests			5,157	2,400	0	1,000	1,170	
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Catch information for terminal sockeye has been provided by the Haida Fisheries Program.

Interception catch information is based on a variety of information sources and is only an estimate.



## 2008 Post Season Summary and Assessment

### Area 3

#### First Nations

There are three First Nations groups that fish for Food, Social and Ceremonial purposes in Area 3 or the Nass River. These are:

- a) The Tsimshian - Lax Kwalaams (Port Simpson).
- b) The Nisga'a Lisims Government - Kincolith, Greenville, Canyon City and Aiyansh.
- c) The Gitanyow - Member band Kitwancool.

#### 2008 Nass Stock Assessment Update

Attached is a stock assessment summary update for the Nass River from the Nisga'a Fisheries and Wildlife Department of Nisga'a Lisims Government. **Sayt-K'il'im-Goot. Data provided are preliminary post-season updates of in-season assessments to 26 October.**

Fishwheel Assessment data: **5 June to 6 September (closed for season)**

Meziadin Fishway data: **1 July to 8 October (closed for season)**

Kincolith weir data: **11 June to 22 October (preliminary data; closed for season)**

Seaskinnish Weir data: **28 July to 7 September (preliminary video data; continues to November)**

#### GITWINKSIHLKW (GW) FISHWHEELS (NASS TEST FISHERY - 15TH YEAR):

Fishwheels 1 and 2 were started on **5 June** for tagging and historical catch index assessments for salmon and steelhead. Fishwheels 1 and 2 were shutdown for the season on Saturday **6 September**. All fish caught in the GW fishwheels were released alive.

#### GREASE HARBOUR (GH) FISHWHEELS:

Three fishwheels operated at Grease Harbour for in-season mark recapture tag recoveries in 2008. The fishwheel start-up dates were: **11 June** (fw5), **12 June** (fw6) and **13 June** (fw3). All three Grease Harbour fishwheels were shutdown for the season on Saturday **6 September**. All fish caught in the GH fishwheels were released alive.

#### NASS SOCKEYE SALMON:

The **in-season** Nass sockeye run-size estimate (**191,861**) to Gitwinksihlkw at the end of fishwheel operation on **6 September** was below average (**279,000**) based on the mean run size to Gitwinksihlkw of **281,000** from 1994 to 2007. However, the preliminary **post-season** Nass sockeye run-size estimate (**235,126**) to Gitwinksihlkw is **~18% higher** than the in-season estimate and would account for any sockeye that passed after the operations of the fishwheels. Based on the preliminary post-season estimate, the in-season run-size target (**~225,000**) for Nass Sockeye to the Gitwinksihlkw fishwheels was reached in 2008.

The post-season run size and escapement estimates are based on preliminary mark-recapture results from tag recovery data collected at Meziadin Fishway (tags released at GW=9,297; tag loss rate estimate=18%; 150,396 sockeye examined; and 5016 tags recovered), harvests above Gitwinksihlkw (17,051), and escapement estimates between Gitwinksihlkw and Grease Harbour (3392 that include an escapement estimate at Gingit Creek in 2008).

The **in-season** net escapement estimate for Nass sockeye to end of fishwheel operation was **174,841**. The preliminary **post-season** net escapement estimate is **218,075** above GW based on mark-recapture results to date. Based on current post-season estimates for Nass sockeye, the net escapement aggregate target

(**200,000**) was reached in 2008. However, escapement to Meziadin River (**150,396**) was just short of it's target (**160,000**) whereas the non-Meziadin aggregate escapement estimate (**67,679**) was estimated to have exceeded it's target (**40,000**).

Meziadin fishway opened on 1 July for escapement counts to river. Total counts of sockeye at Meziadin Fishway to the end of operations on **8 October** were: **150,396 adults (5016 tags) and 2946 jacks**. The 2008 cumulative adult count was below average based on mean counts (**170,000**) at the Meziadin Fishway from 1994 to 2007. The fishway counts of adult sockeye represented **69%** of the preliminary net escapement estimate for 2008 which is average based on 1994 to 2007 returns (94-07 mean=68%; range 51% to 85%).

The Total Return to Canada (TRTC) for Nass sockeye in 2008 was projected to be below average (**350,000 vs. 666,000**) based on a pre-season sibling model of TRTC return data from 1982 to 2007. Nisga'a Fisheries used a TRTC estimate for Nass sockeye of between **~315,000** (in-season) and **350,000** (pre-season) for tracking and managing the Nisga'a entitlement of Nass sockeye during the season that ranged between **43,000** and **52,000** sockeye.

The preliminary **post-season TRTC and Nisga'a entitlement** estimates for Nass sockeye are **316,991 and 44,166**, respectively. The preliminary TRTC estimate for Nass sockeye includes preliminary post-season estimates of escapement (218,075) and harvests in commercial (44,101) and in-river (54,815) fisheries.

The Nisga'a catch estimate (**45,409**) of Nass sockeye in 2008 is currently over (~1243 sockeye) the preliminary post-season entitlement amount. The catch estimate is based on the results from the Nisga'a catch monitoring program that operated from 4 May to 23 August. The total catch estimate for 2008 includes an estimate of sockeye caught after the end of the catch monitoring program based on average catches in years when monitoring was conducted after 23 August. The total catch estimate for 2008 includes FSC (domestic) catch (**27,681**) and individual marine sale fishery catch (**17,728**). The FSC catch of sockeye in 2008 was just above average from the mean catch from 2000 to 2007 (**26,000**).

A total of four Nisga'a individual sale fisheries occurred in 2008 (**16-17 July** [17 boats]; **17-18 July** [17 boats]; **23-25 July** [17 boats]; **30 July - 1 August** [~21 boats]) in Area 3-12. Total catches in the Nisga'a marine sale fisheries were: **17,728 sockeye; 3,438 pink; 793 coho and 276 chum**.

Area 3 DFO commercial fisheries conducted in 2008 were **7 gillnet** [24 June (170 boats); 1 July (209 boats); 7 July (174 boats); 14 July (179 boats); 15 July (5 boats); 21 July (16) and 27 July (33)] and **4 seine** (14 July (13 boats); 15 July (5 boats); 21 July (13 boats) and 29 July (7 boats)) fisheries. Total commercial harvest estimates in **Area 3** are: **38,886 sockeye; 17,972 pink; 14,135 chum and 405 Chinook** (source of data is from DFO Prince Rupert fisheries management). An additional **5,225** Nass sockeye are currently estimated to have been harvested in fisheries conducted in Areas 4 and 5 using average historical stock proportion data. Final commercial catch (and TRTC) estimates of Nass sockeye in 2008 will be available in the fall of 2009 after Northern Boundary sockeye run reconstructions are finalized by the Pacific Salmon Treaty technical committee.

TRTC returns of Nass sockeye are influenced by Alaskan catches which were below average for 2008. Alaskan gillnet fisheries in Districts 101 (Tree Point) and 106 (Sumner and Upper Clarence) began on **15 June** and **8 June**, respectively. Alaskan seine fisheries opening dates were: Districts 101 (Lower Clarence/Revilla) opened on **6 July**; 102 (Middle Clarence) opened on **22 June**; 103 (Cordova) opened on **24 July**; and 104 (Noyes/Dall) opened on **6 July**.

The total in-season catch estimate of sockeye in southeast Alaskan fisheries in 2008 was **127,703** based on data on the Alaskan Department of Fisheries and Game's website. The average catch of sockeye in southeast Alaskan fisheries is **714,000** sockeye from 1999 to 2007.

Of the total Alaskan catch of sockeye in 2008, Nisga'a Fisheries is estimating **~35,500** are Nass sockeye based on average stock % data (1982-98) and was below average. The average catch of Nass sockeye in Alaskan fisheries is **~165,000** from 1999 to 2007.

ALASKAN WEEK 38 (ENDED 20 SEPTEMBER) - CUM. CATCH ESTIMATES OF SOCKEYE (ADFG WEBSITE)					
DISTRICTS	AREA	TOTAL CATCH	AVG (99-07)	NASS TOTAL	AVG (99-07)
DIST 101 GN	TREE PT	34,113	101,310	22,484	69,530
DIST 106 GN	UPP. CLAR	30,378	104,540	4,568	14,150
DIST 101 SN	LOW CLAR	6,963	83,240	1,290	17,600
DIST 102 SN	MID CLAR.	10,104	36,040	883	2,940
DIST 103 SN	CORDOVA	5,446	32,990	274	1,680
DIST 104 SN	NOISE/DALL	40,699	355,650	6,019	59,460
<b>TOTAL</b>		<b>127,703</b>	<b>713,770</b>	<b>35,519</b>	<b>165,360</b>

#### NASS CHINOOK SALMON:

The **in-season** Nass Chinook run-size estimate (**14,178**) to Gitwinksihlkw to the end of fishwheel operation on **6 September** was below average (**22,000**) based on the mean run size to Gitwinksihlkw of **22,000** from 1994 to 2007. However, the preliminary **post-season** Nass Chinook run-size estimate (**20,001**) to Gitwinksihlkw is **~29% higher** than the in-season estimate and would account for any Chinook that passed before and after the fishwheel operated. Based on the preliminary post-season estimate, the in-season run-size target (**~17,000**) for Nass Chinook to the Gitwinksihlkw fishwheels was reached in 2008.

The post-season run size and escapement estimates are based on preliminary mark-recapture results from tag recovery data collected at Meziadin Fishway, Kwinageese and Damdochax tributaries (tags released at GW=801; tag loss rate estimate=24%; 731 Chinook examined; and 24 tags recovered), harvests above Gitwinksihlkw (2063), and escapement estimates between Gitwinksihlkw and Grease Harbour (860 that include preliminary escapement estimates for Tseax and Seaskinnish in 2008). The Tseax and Seaskinnish estimates are preliminary and will be finalized in mid-December after the completion of the Tseax and Seaskinnish projects conducted by Nisga'a Fisheries.

The **in-season** net escapement estimate for Nass Chinook to end of fishwheel operation was **12,968**. The preliminary **post-season** net escapement estimate is **17,938** above GW based on mark-recapture results to date. Based on current post-season estimates for Nass Chinook, the net escapement aggregate target (**15,000**) was reached in 2008.

Total counts of Chinook at Meziadin Fishway from **1 July to 8 October** were: **518 adults (17 tags) and 62 jacks**. The 2008 cumulative adult count was above average based on mean counts (**480**) at the Meziadin Fishway from 1994 to 2007. The fishway counts of adult Chinook represented **2.9%** of the preliminary net escapement estimate in 2008 which was just above average based on 1994 to 2007 returns (94-07 mean=2.5%; range 1.4% to 4.5%).

The Total Return to Canada (TRTC) for Nass Chinook in 2008 was projected to be below average (**21,000 vs. 36,000**) based on a pre-season sibling model of TRTC return data from 1992 to 2007. Nisga'a Fisheries used a preliminary TRTC estimate for Nass Chinook of between **21,000** (pre-season) and up to **~28,000** (in-season) for tracking and managing the Nisga'a entitlement of Nass Chinook in 2008 that ranged between **~4000** and **6000** Chinook during the season. Uncertainty of marine catches (commercial and recreational) and escapement estimates to coastal Area 3 areas for Nass Chinook made it difficult to estimate in-season TRTC and entitlement estimates for Nass Chinook.

The preliminary **post-season TRTC** and **Nisga'a entitlement** estimates for Nass Chinook are **28,202** and **5924**, respectively. The preliminary TRTC estimate for Nass Chinook includes preliminary post-season estimates of escapement (20,813) and harvests in marine (1485) and in-river (5910) fisheries. The TRTC estimate includes estimates of preliminary coastal escapement (2876) and marine catches (recreational tidal (875) and commercial (610)) that will not be finalized until mid-December 2008.

The Nisga'a catch estimate (**4402**; including angling harvests on the Kincolith River) of Nass Chinook in 2008 is currently under (~1500 Chinook) the preliminary post-season entitlement amount. The catch estimate is based on the results from the Nisga'a catch monitoring program. The total catch estimate for 2008 includes an estimate of Chinook caught after the end of the catch monitoring program based on average catches in years when monitoring was conducted after 23 August. The FSC catch of Nass Chinook in 2008 was below average from the mean catch from 2000 to 2007 (**6700**). No Chinook were permitted for sale in any of the Nisga'a individual sale fisheries that were conducted in 2008.

The Kincolith video-counting fence began operation on 11 June for collecting escapement data for the Kincolith River and providing an index of escapement to coastal streams in Area 3. Preliminary net upstream counts from **11 June to 22 October** (now closed for season) are: **895 Chinook** (852 large >50 cm NF; 43 small <50 cm NF; 180 AFC and 39 broodstock); **1285 pink**; **265 coho** (244 large >40 cm NF; 21 small <40 cm NF); and **24 chum**. Other weir counts were: **13 steelhead (5 up & 8 down) and 7 cutthroat/rainbow trout (5 up & 2 down between July and October; <50 cm and sea run; final id confirmed at end of season)**. The count of Chinook passing the Kincolith weir in 2008 was below the average count (**1126**) from past operations (2001, 2002, 2005-2007). However, Nisga'a Fisheries projected that the escapement goal (**700**) would be reached during the season using a run size forecast method. A preliminary estimate of 1111 Chinook was harvested in the Kincolith River in 2008 by Nisga'a (587) and non-Nisga'a (524) fishers.

#### NASS COHO SALMON:

The **in-season** Nass coho run-size estimate (**89,176**) to Gitwinksihlkw to the end of fishwheel operation on **6 September** was above average (**71,000**) based on the mean run size to Gitwinksihlkw of **76,000** from 1994 to 2007. However, the preliminary **post-season** Nass coho run-size estimate (**86,145**) to Gitwinksihlkw is **~4% lower** than the in-season estimate. The post-season estimate would be conservative (i.e., not account for all coho that passed the fishwheels after operation) as the current mark-recapture estimates are based on Meziadin tag recoveries only which ended operations on 8 October. Based on the preliminary post-season estimate, the in-season run-size target (**~50,000**) for Nass coho to the Gitwinksihlkw fishwheels was reached in 2008.

The post-season run size and escapement estimates are based on preliminary mark-recapture results from spaghetti-tag recovery data collected at Meziadin Fishway only to date (tags released at GW=4138; tag loss rate estimate=14%; 3861 coho examined; and 167 tags recovered), harvests above Gitwinksihlkw (891), and escapement estimates between Gitwinksihlkw and Grease Harbour (4013 that include preliminary escapement estimates for Seaskinnish, Tseax, Chemainuk and Gish tributaries in 2008). The escapement estimates are preliminary and will be finalized in December after the completion of the Seaskinnish weir project conducted by Nisga'a Fisheries for finalizing all mark recovery data for generating population estimates.

Preliminary net upstream counts from the Seaskinnish weir from **26 July to 8 September** (still in operation) are: **505 coho** (483 large >40 cm NF; 22 small <40 cm NF; 26 spaghetti tags; 17 operculum tags); **433 Chinook** (371 large >50 cm NF; 62 small <50 cm NF; 14 operculum tags); **26 steelhead** (2 adipose fin marked – 1 hole punch and 1 clip); **8 pink**; **8 sockeye** (3 tagged); and **56 adult trout species** (i.e., rainbow, cutthroat, Dolly Varden, etc.).

The **in-season** net escapement estimate for Nass coho to end of fishwheel operation was **88,630**. The preliminary **post-season** net escapement estimate is **85,254** above GW based on preliminary mark-recapture results to date. Based on current post-season estimates for Nass coho, the net escapement aggregate target (**40,000**) was reached in 2008.

Total counts of coho at Meziadin Fishway from **1 July to 8 October** (now closed) were: **3861 adults (167 spaghetti tags; 131 operculum tags) and 55 jacks**. The 2008 cumulative adult count was above average based on mean counts (**3600**) at the Meziadin Fishway from 1994 to 2007. The fishway counts of adult coho represented **4.5%** of the preliminary net escapement estimate in 2008 which was below average based on 1994 to 2007 returns (94-07 mean=5.8%; range 1.9% to 10.2%). However, the fishway operations ended

approximately one week earlier than past years while coho were still passing and the overall stock proportion would be higher.

The Total Return to Canada (TRTC) for Nass coho in 2008 was projected to be below average (**104,000 vs. 162,000**) based on the minimum return in the past five years. Nisga'a Fisheries used a preliminary TRTC estimate for Nass coho of between **104,000** (pre-season) and **~173,000** (pre-season) for tracking and managing the Nisga'a entitlement of Nass coho in 2008 that ranged between **~8000** and **13,800** coho during the season. Uncertainty of marine catches (commercial and recreational) and escapement to the Lower Nass and coastal Area 3 tributaries for Nass coho made it difficult to estimate in-season TRTC and entitlement estimates for Nass coho.

The preliminary **post-season TRTC** and **Nisga'a entitlement** estimates for Nass coho are **150,427** and **12,034**, respectively. The preliminary TRTC estimate for Nass Coho includes preliminary post-season estimates of escapement (115,635) and harvests in marine (31,099) and in-river (3693) fisheries. The TRTC estimate includes preliminary estimates of escapement to the Lower Nass (26,728), coastal Area 3 tributaries (2754) and marine catches (recreational tidal (1414) and commercial (29,685)) that will not be finalized until December 2008. Escapement surveys are still being conducted in the Lower Nass.

The Nisga'a catch estimate (**3109**) of Nass coho is currently under (**~8900** coho) the preliminary post-season entitlement amount and is based on the results from the Nisga'a catch monitoring program. The total catch estimate for 2008 includes an estimate of coho caught after the end of the catch monitoring program based on average catches in years when monitoring was conducted after 23 August. The total catch estimate of coho for 2008 includes FSC (domestic) catch (**2316**) and individual marine sale fishery catch (**793**). The FSC catch of coho in 2008 was just below average from the mean catch from 2000 to 2007 (**2400**).

#### NASS PINK SALMON:

The fishwheel catch of pink salmon (**1932 total; 1357 GW fishwheels**) to the end of the fishwheel operation was well below average (**16,000 total; 12,000 GW fishwheels**) for **even-year** returns from 2000 to 2007.

The Total Return to Canada (TRTC) for Nass pinks in 2008 was originally projected to be above average (**569,000 vs. 524,000**) for the even-year return based on the five year average of TRTC even-return data from 1998 to 2006. Nisga'a Fisheries downsized the pre-season TRTC estimate to **~285,000** (~1/2 of pre-season estimate) on **15 August** for Nass pinks based on data from DFO (poor abundances detected in stream walk surveys in Area 3), below average numbers at the fishwheels and extremely low numbers at the Kincolith weir (average return of even-yr pinks is **9,000**). As a result of downsizing, the in-season Nisga'a entitlement of Nass pink was capped at **~10,000** and was much smaller than the pre-season entitlement estimate (**54,000**).

Note that pre-season and in-season forecasting of Nass area pinks are poorly developed for Area 3 currently. Nisga'a Fisheries is developing in-season methods with DFO for better predicting the magnitude of returns in the future based on fishwheel mean catches, Kincolith weir counts and any stream survey information that can be collected during the season to aid in managing Nass area pinks to reach escapement goals and tracking the Nisga'a entitlement.

The preliminary **post-season TRTC** and **Nisga'a entitlement** estimates for Nass pink are **67,667** and **0**, respectively. Escapement and harvest data are not final as surveys/assessments continue but based on the preliminary results suggest that the minimum escapement goal (150,000) may not have been reached for Nass Area pinks in 2008 and that no entitlement harvest would have been permitted due to conservation concerns. The preliminary TRTC estimate for Nass pinks includes preliminary post-season estimates of escapement (60,287) and harvests in commercial (2977) and Nisga'a (4404) fisheries. The poor escapement estimate is based on preliminary survey data from Dogfish, Stagoos and Kwinamass tributaries. The weir count of pinks (1285 vs. 9000 average) on the Kincolith River also supports the current data of the poor return of Nass Area pinks in 2008.

The Nisga'a catch estimate (**4404**) of Nass pinks is currently over (4404) the preliminary post-season entitlement amount if the minimum escapement goal was not reached. The catch estimate is based on the results from the Nisga'a catch monitoring program. The total catch estimate for 2008 includes an estimate of pinks caught after the end of the catch monitoring program based on average catches in years when monitoring was conducted after 23 August. The total catch estimate of pink for 2008 includes FSC (domestic) catch (**966**) and individual marine sale fishery catch (**3438**) in late July. The FSC catch of pink in 2008 was below average from the mean catch from 2000 to 2007 (**2600**).

#### NASS CHUM SALMON:

The fishwheel catch of chum (**52 total; 38 GW fishwheels**) when the fishwheels ended on **6 September** was well below average (**148 total; 113 GW fishwheels**) for returns from 2000 to 2007.

The Total Return to Canada (TRTC) for Nass chums in 2008 was originally projected to be above average (**90,000 vs. 74,000**) based on the dominant brood return from 2004. However, Nisga'a Fisheries downsized the pre-season TRTC estimate to **~21,000** (low return estimate from 2007) on **15 August** for tracking Nass chum entitlement based on data from DFO (poor abundances detected in stream walk surveys at Stagoo Creek in early August), below average numbers at the fishwheels and extremely low numbers that passed the Kincolith weir. As a result of downsizing, the in-season Nisga'a entitlement of Nass chum was capped at **~1650** and was much smaller than the pre-season entitlement estimate (**7000**). However, if the in-season TRTC remained below the minimum escapement goal (30,000) for Nass area chums then no entitlement would be permitted due to conservation concerns.

Note that pre-season and in-season forecasting of Nass area chums are poorly developed for Area 3 currently. No reliable methods are currently available to estimate escapement during the season, track the status of the run or the Nisga'a entitlement. However, observations of abundances at Stagoo Creek, Kincolith River, and at the fishwheels help in providing some indication of run strength to determine an in-season entitlement target for Nass chum.

The preliminary **post-season TRTC** and **Nisga'a entitlement** estimates for Nass chum are **4984** and **0**, respectively. Escapement and harvest data are not final as surveys/assessments continue but based on the preliminary results suggest that the minimum escapement goal (**30,000**) may not have been reached for Nass Area chums in 2008 and that no entitlement harvest would have been permitted due to conservation concerns. The preliminary TRTC estimate for Nass chums includes preliminary post-season estimates of escapement (3936) and harvests in commercial (553) and Nisga'a (495) fisheries. The poor escapement estimate is based on preliminary survey data from Stagoo and Kshwan tributaries. The weir count of chums (24 vs. 110 average) on the Kincolith River also supports the current data of the poor return of Nass Area chums in 2008.

The Nisga'a catch estimate (**495**) of Nass chums is currently over (495) the preliminary post-season entitlement amount if the minimum escapement goal was not reached in 2008. The catch estimate is based on the results from the Nisga'a catch monitoring program. The total catch estimate for 2008 includes an estimate of chum caught after the end of the catch monitoring program based on average catches in years when monitoring was conducted after 23 August. The total catch estimate of chum for 2008 includes FSC (domestic) catch (**219**) and individual marine sale fishery catch (**276**) in late July. The FSC catch of chum in 2008 was below average from the mean catch from 2000 to 2007 (**429**).

#### NASS SUMMER-RUN STEELHEAD:

In-season and post-season run size estimates that are provided for Nass steelhead are only for summer runs (i.e., do not include any estimates for winter or spring run steelhead). In-season estimates provide return information from June to September when the fishwheels typically operate. Post-season estimates correct for the difference in the fishwheel in-season estimate to final escapement estimate including an estimated proportion of summer-run steelhead that passed Gitwinksihlkw after the fishwheel operations based on results from steelhead mark-recapture studies conducted in the past.

The fishwheel catch of summer-run steelhead (**851 total; 293 GW fishwheels**) when the fishwheels were

shutdown on **6 September** was above average (**779 total; 218 GW fishwheels**) based on fishwheel operations conducted between 2000 and 2007.

The **in-season** Nass steelhead run-size estimate (**4926**) to Gitwinksihlkw to the end of fishwheel operation was below average (**5800**) on **6 September** based on the mean run size to Gitwinksihlkw of **7800** from 1994 to 2007. However, the preliminary **post-season** Nass steelhead run-size estimate (**6497**) to Gitwinksihlkw is currently **~24% higher** than the in-season estimate. Based on the preliminary post-season estimate, the run-size target (**~4200**) for Nass steelhead to the Gitwinksihlkw fishwheels was reached in 2008. The **in-season** net escapement estimate for Nass steelhead to end of fishwheel operation was **4892**. The preliminary **post-season** net escapement estimate is **6463** above GW based on preliminary results to date. Based on the current post-season estimate for Nass summer-run steelhead, the net escapement aggregate target (**4000**) was reached in 2008.

The post-season run size and escapement estimates for Nass summer-run steelhead are based on preliminary mark-recapture results from spaghetti-tag recovery data collected for Nass coho salmon at Meziadin Fishway to compute capture efficiencies at the Gitwinksihlkw fishwheels for calculating steelhead abundance passing at both fishwheels. More accurate capture efficiencies can be computed for the Gitwinksihlkw fishwheels using coho tag recoveries because of the high number of tags applied to coho and recovered in tag recovery operations than for steelhead. Based on the preliminary capture efficiency data for coho at the fishwheels (i.e., **4%** at FW1 and **2%** at FW2) and steelhead catches at both fishwheels (**57 FW 1; 232 FW 2**) after 1 July, the preliminary average abundance estimate of summer-run steelhead to pass the fishwheels during operation is **6497** (i.e., average of **1435** (FW1) and **11,559** (FW2)) in 2008. The abundance estimates calculated by this method have on average represented **~77%** of the final escapement estimate based on mark recapture studies conducted on summer-run steelhead in 1997-2001, 2004-2005 and 2007, and accounts for differences in the abundance-estimate technique and steelhead passing after fishwheel operation to the final escapement estimate. Based on those past mark-recapture results for Nass steelhead, the total estimate of summer-run steelhead to pass Gitwinksihlkw in 2008 is currently **~8400** (i.e., 6497 divided by 77%). The escapement estimate is preliminary and will be finalized in mid-December after the completion of the Seaskinnish weir project conducted by Nisga'a Fisheries for finalizing all mark recovery data for generating population estimates.

The total count of steelhead at **Meziadin Fishway** from **1 July to 8 October** (now closed for season) was: **29** (2 fin marked fish – 1 adipose punch from GW and 1 adipose clip from GH fishwheels). The 2008 cumulative count of steelhead was just below average (29 vs. 33) when the fishway operation ended on 8 October. The mean count at the Meziadin Fishway from 1994 to 2007 was 50 but typically the operations extend into mid-to-late October.

The total count of steelhead at the **Seaskinnish weir** from **26 July to 8 September** (operation will continue into November) is: **26** (2 fin marked fish – 1 adipose hole punch from GW and 1 adipose clip from GH fishwheels).

The Nisga'a catch estimate of Nass steelhead in 2008 was **157**. A total of **26** steelhead were also released alive during the marine individual sale fisheries conducted between 16 July and 1 August. The total catch estimate includes an estimate of steelhead caught after the end of the program based on average catches in years when monitoring was conducted after 23 August. The average harvest of Nass steelhead in Nisga'a fisheries is **400** from 1994 to 2007.

The final Nass stock assessment update from the Nisga'a Fisheries and Wildlife Department is planned for, **Monday, 1 December** and will include any further updates to post-season estimates of Nass escapement, TRTC and Nisga'a entitlement amounts.

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### **ESSR Review**

No ESSR sockeye opportunities were identified on the Nass River for the 2008 season. Sockeye escapements to the Nass River did not exceed spawning requirements.

### **Recreational Review**

The tidal water interception salmon sport fishery begins in late April. Initial effort is mostly by local independent anglers out of Prince Rupert, however the most significant portion of the sportfishing season develops late May and continues to mid September. In addition to a significant fleet made up of independent anglers and charter operators, there were 3 lodge operations set up. A tidal water creel survey was conducted in 2008.

### **Commercial Net Fishery Summary**

The Area 3 net fishery was planned in anticipation of harvesting a surplus of 100,000 Nass sockeye and 700,000 pinks while meeting a number of preseason commitments. These commitments included managing in accordance to the Nisga'a Treaty, the Pacific Salmon Treaty, allocation issues, chum and Chinook rebuilding, Coho exploitation rates and limiting impacts on steelhead. Some of the restrictions put into place to deal with these commitments were, closed areas, daylight only fisheries, non-retention steelhead for both gear types, mandatory brailing for seines, non-retention Chinook for seines and a request for gill nets to release all live Chinook. In addition the Area 3 fishery started the year with non-retention chums for seines and a request for gill nets to release all live chums.

The first Nass gill net sockeye opening took place June 24 with 174 vessels taking part. Sub area 3-12 was closed from the beginning of the season until July 21 (At this stage the greater part of the Chinook run has passed through Area 3) due to concerns of low sockeye and Chinook escapements to Area 3. Gill net catches started out at moderate levels suggesting that the stock may be returning as forecast before declining in late July/early August. At this point sockeye fisheries in Area 4 (starting July 15) had significantly reduced the fleet size in Area 3 until the end of the season. The ribbon boundaries around Wales and Pearse to reduce chum interception by gill net in area 3 came into effect on July 1 for the duration of the season. Although water levels in the Nass River were not as severe as last year the Nisga'a Fisheries did a remarkable job, high water levels (large snow pack) did hamper in river escapement assessment during the early part of the season.

The highest number of gill nets operating in Area 3 occurred in early July (1) with 229. The total number of openings was 7 for 893 vessel operating days compared to the 10 year average of 22 openings and 3645 vessel operating days.

The first seine opening in Area 3 occurred July 14<sup>th</sup>, with 16 vessels participating in the fishery. Sockeye fishing started poor and carried on that way throughout the season in Area 3. The Sommerville/International Boundary was in effect for the July 15 opening to reduce the interception of chum returning to Area 3. Sub area 3-12 was opened (July 21&29) to seines within one nautical mile of the Pearse Island shore to access pinks.

Due to the poor sockeye and pink escapement to Area 3 the seine fleet was reduced significantly when the Area 4 ITQ Seine Demonstration Fishery began.

The peak seine fleet operating in Area 3 occurred on July 21 with 28 vessels fishing. The total number of openings was 4 for 61 vessel operating days compared to the 10 year average of 19.9 openings and 576 vessel operating days.

The total Area 3 hauled net catch was 41,679 sockeye and 21,572 pink. This compares to the 10 year average catch of 289,819 sockeye and the five even year 784,862 average of pink.

### **Commercial Troll**

#### **Area 3**

#### **Management Plan**

Closed for the 2008 Salmon season.

**Commercial Troll Review**

Insufficient coho escapements prompted maintaining the closure in Area 3 for the 2008 salmon season.

## AREA 3 COMMERCIAL SEINE CATCH BY WEEK FOR 2008

DATE	SUB-AREA	# OF SEINES	HOURS OPEN	BOAT		SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
				DAYS FISHING	DAYS						
<b>WEEK 29</b>											
14-Jul	3X										Closed
	3Y	16	24	16	873	0	1013	0	0	0	3-2, 3, 4 & 7b
	3Z	0	0	0	0	0	0	0	0	0	Closed
	TF	16	0	16	873	0	1013	0	0	0	
15-Jul	3X										Closed
	3Y	10	24	10	622	0	1055	0	0	0	3-2, 3, 4 & 7b
	3Z	0	0	0	0	0	0	0	0	0	Closed
	TF	10	0	10	622	0	1055	0	0	0	
TFW	3Y	26	48	26	1495	0	2068	0	0	0	
	3Z	0	0	0	0	0	0	0	0	0	
	TFW	26	0	26	1495	0	2068	0	0	0	
	TTD	26	0	26	1495	0	2068	0	0	0	
<b>WEEK 30</b>											
21-Jul	3X										Closed
	3Y	24	24	24	2592	0	3984	0	0	0	3-2, 3, 4 & 7b
	3Z	4	24	4	432	0	664	0	0	0	3-7a, 9, 11, 12
	TF	28	0	28	3024	0	4648	0	0	0	
TFW	3Y	24	24	24	2592	0	3984	0	0	0	
	3Z	4	24	4	432	0	664	0	0	0	
	TFW	28	24	28	3024	0	4648	0	0	0	
	TTD	54	24	54	4519	0	6716	0	0	0	
<b>WEEK 31</b>											
27-Jul	3X										Closed
	3Y	7	24	7	654	0	4464	0	0	0	3-2, 3, 4 & 7b
	3Z	0	0	0	0	0	0	0	0	0	Closed
	TF	7	0	7	654	0	4464	0	0	0	
29-Jul	3X										Closed
	3Y	0	0	0	0	0	0	0	0	0	Closed
	3Z	0	0	0	0	0	0	0	0	0	Closed
	TF	0	0	0	0	0	0	0	0	0	
TFW	3X		0	0							
	3Y	7	24	7	654	0	4464	0	0	0	
	3Z	0	0	0	0	0	0	0	0	0	
	TF	7	0	7	654	0	4464	0	0	0	
TTD	61	24	61	5173	0	11180	0	0	0		

## AREA 3 COMMERCIAL GILLNET CATCH BY WEEK FOR 2008

DATE	SUB-AREA	# OF GILLNETS	HOURS OPEN	BOAT		SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
				DAYS FISHING							
<b>WEEK 26</b>											
24-Jun	3X	0	0	0	0	0	0	0	0	0	Closed
	3Y	97	16	62	4213	0	24	417	139		3-2, 4 & 7b
	3Z	77	16	51	3566	0	31	334	111		3-7a
	<b>TFD</b>	<b>174</b>	<b>16</b>	<b>113</b>	<b>7779</b>	<b>0</b>	<b>55</b>	<b>751</b>	<b>250</b>		
	3Y	97	16	62	4213	0	24	417	139		
	3Z	77	16	51	3566	0	31	334	111		
	<b>TFW</b>	<b>174</b>	<b>32</b>	<b>113</b>	<b>7779</b>	<b>0</b>	<b>55</b>	<b>751</b>	<b>250</b>		
	<b>TTD</b>	<b>174</b>	<b>32</b>	<b>113</b>	<b>7779</b>	<b>0</b>	<b>55</b>	<b>751</b>	<b>250</b>		
<b>WEEK 27</b>											
01-Jul	3X	0	0	0	0	0	0	0	0	0	Closed
	3Y	100	16	60	3163	0	221	816	44		3-2, 3, 4 & 7b
	3Z	129	16	79	4478	0	186	880	72		3-7a
	<b>TFD</b>	<b>229</b>	<b>16</b>	<b>139</b>	<b>7641</b>	<b>0</b>	<b>407</b>	<b>1696</b>	<b>116</b>		
<b>TFW</b>	3Y	100	16	60	3163	0	221	816	44		
	3Z	129	16	79	4478	0	186	880	72		
	<b>TFW</b>	<b>229</b>	<b>32</b>	<b>139</b>	<b>7641</b>	<b>0</b>	<b>407</b>	<b>1696</b>	<b>116</b>		
<b>TTD</b>	3Y	197	32	122	7376	0	245	1233	183		
	3Z	206	32	131	8044	0	217	1214	183		
	<b>TTD</b>	<b>403</b>	<b>176</b>	<b>253</b>	<b>15420</b>	<b>0</b>	<b>462</b>	<b>2447</b>	<b>366</b>		
<b>WEEK 28</b>											
07-Jul	3X		0								Closed
	3Y	83	16	55	2155	0	258	2131	12		3-2, 3, 4 & 7b
	3Z	91	16	61	2426	0	288	2467	15		3-7a
	<b>TFD</b>	<b>174</b>	<b>16</b>	<b>116</b>	<b>4581</b>	<b>0</b>	<b>546</b>	<b>4598</b>	<b>27</b>		
<b>TFW</b>	3Y	83	16	55	2155	0	258	2131	12		
	3Z	91	16	61	2426	0	288	2467	15		
	<b>TFW</b>	<b>174</b>	<b>48</b>	<b>116</b>	<b>4581</b>	<b>0</b>	<b>546</b>	<b>4598</b>	<b>27</b>		

### AREA 3 COMMERCIAL GILLNET CATCH BY WEEK FOR 2008

DATE	SUB-AREA	# OF GILLNETS	HOURS OPEN	BOAT		SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
				DAYS FISHING	DAYS						
<b>WEEK 29</b>											
14-Jul	3X			0							Closed
	3Y	147	16	98	5755	0	1531	3277	8		3-2, 4 & 7b
	3Z	70	16	47	2752	0	700	1456	11		3-7a
	TFD	217	16	145	8507	0	2231	4733	19		
15-Jul	3X			0							Closed
	3Y	26	16	17	1898	0	555	780	1		3-4 & 7b
	3Z	0	0	0	0	0	0	0	0		3-7a
	TFD	26	16	17	1898	0	555	780	1		
	TFW	3Y	173	32	115	7653	0	2086	4057	9	
		3Z	70	16	47	2752	0	700	1456	11	
		TFW	243	48	162	10405	0	2786	5513	20	
<b>WEEK 30</b>											
21-Jul	3X		0	0	0	0	0	0	0		Closed
	3Y	3	16	2	264	0	0	0	0		3-4 & 7b
	3Z	19	16	13	2667	0	1459	0	2		3-7a & 12
	TFD	22	16	15	2931	0	1459	0	2		
	TFW	3Y	3	16	2	264	0	0	0	0	
		3Z	19	16	13	2667	0	1459	0	2	
		TFW	22	16	15	2931	0	1459	0	2	
		TTD	842	288	545	33337	0	5253	12558	415	
<b>WEEK 31</b>											
27-Jul	3X										
	3Y	32	16	21	1537	0	2333	1197	6		3-4 & 7b
	3Z	19	16	13	1107	0	1904	650	6		3-7a & 12
	TFD	51	16	34	2644	0	4237	1847	12		
29-Jul	3X	0	0	0	0	0	0	0	0		
	3Y	0	0	0	0	0	0	0	0		Closed
	3Z	0	0	0	0	0	0	0	0		Closed
	TFD	0	0	0	0	0	0	0	0		
	TFW	3X	0	0	0	0	0	0	0	0	
		3Y	32	16	21	2062	0	3235	1506	7	
		3Z	19	16	13	1107	0	1904	650	6	
		TFW	51	32	34	3169	0	5139	2156	13	
		TTD	893	320	579	36506	0	10392	14714	428	

**AREA 3 2008 PRELIMINARY ESCAPEMENT ESTIMATES**

Location	Stream Name	Sockeye	Coho	Pink	Chum	Chinook
COASTAL	BRUNDIGE CREEK	DNS	A/P	2500	N/O	DNS
	BRUNDIGE CREEK WEST	DNS	N/O	500	N/O	DNS
	SANDY BAY CREEK	DNS	N/I	2500	N/O	DNS
	STUMAUN CREEK	DNS	N/I	4350	N/I	DNS
	TRACY BAY #2 CREEK	DNS	N/I	80	DNS	DNS
	TRACY CREEK	DNS	N/I	275	N/I	DNS
NASS RIVER	ANSEDAGAN CREEK					
	BROWN BEAR CREEK					
	CHAMBERS CREEK	DNS	N/I	N/O	N/O	N/I
	CRANBERRY RIVER					
	DAMDOCHAX RIVER AND LAKE	N/I	N/I	DNS	DNS	2171
	DISKANGIEG CREEK					
	GINGIT CREEK	3380	N/I	N/I	N/I	N/I
	GINLULAK CREEK					
	ISHKHEENICKH RIVER					
	KINCOLITH RIVER(weir count)	DNS	244	1285	24	852
	KWINAGEESE RIVER	N/I	N/I	DNS	DNS	1119
	MEZIADIN RIVER AND LAKE	150396	3861	N/I	N/I	518
	NASS MAIN	A/P	A/P	A/P	A/P	A/P
	SEASKINNISH CREEK(weir count)	14	862	7	N/I	529
ZOLZAP CREEK						
ZOLZAP SLOUGH						
OBSERVATORY INLET	CASCADE CREEK	DNS	DNS	N/O	N/O	DNS
	GRANBY BAY CREEK	N/I	N/I	N/O	N/I	N/I
	ILLIANCE RIVER	DNS	N/I	A/P	A/P	N/I
	KITSAULT RIVER	DNS	N/I	N/O	A/P	A/P
	KSHWAN RIVER	DNS	A/P	A/P	1000	DNS
	OLH CREEK	DNS	N/I	N/O	N/O	DNS
	SALMON COVE CREEK	DNS	N/I	N/O	DNS	DNS
	STAGOO CREEK	DNS	N/O	692	664	DNS
	WILAUKS CREEK	DNS	N/I	A/P	A/P	DNS
PORTLAND CANAL	BEAR RIVER					
	BELLE BAY CREEK	DNS	N/I	N/O	N/O	DNS
	DOGFISH BAY CREEK	DNS	N/I	1700	N/I	DNS
	DONAHUE CREEK	DNS	N/I	N/O	N/O	N/I
PORTLAND INLET	CEDAR CREEK	DNS	DNS	23	DNS	DNS
	CRAG CREEK	DNS	DNS	640	DNS	DNS
	CROW LAGOON CREEK	DNS	N/I	140	DNS	DNS

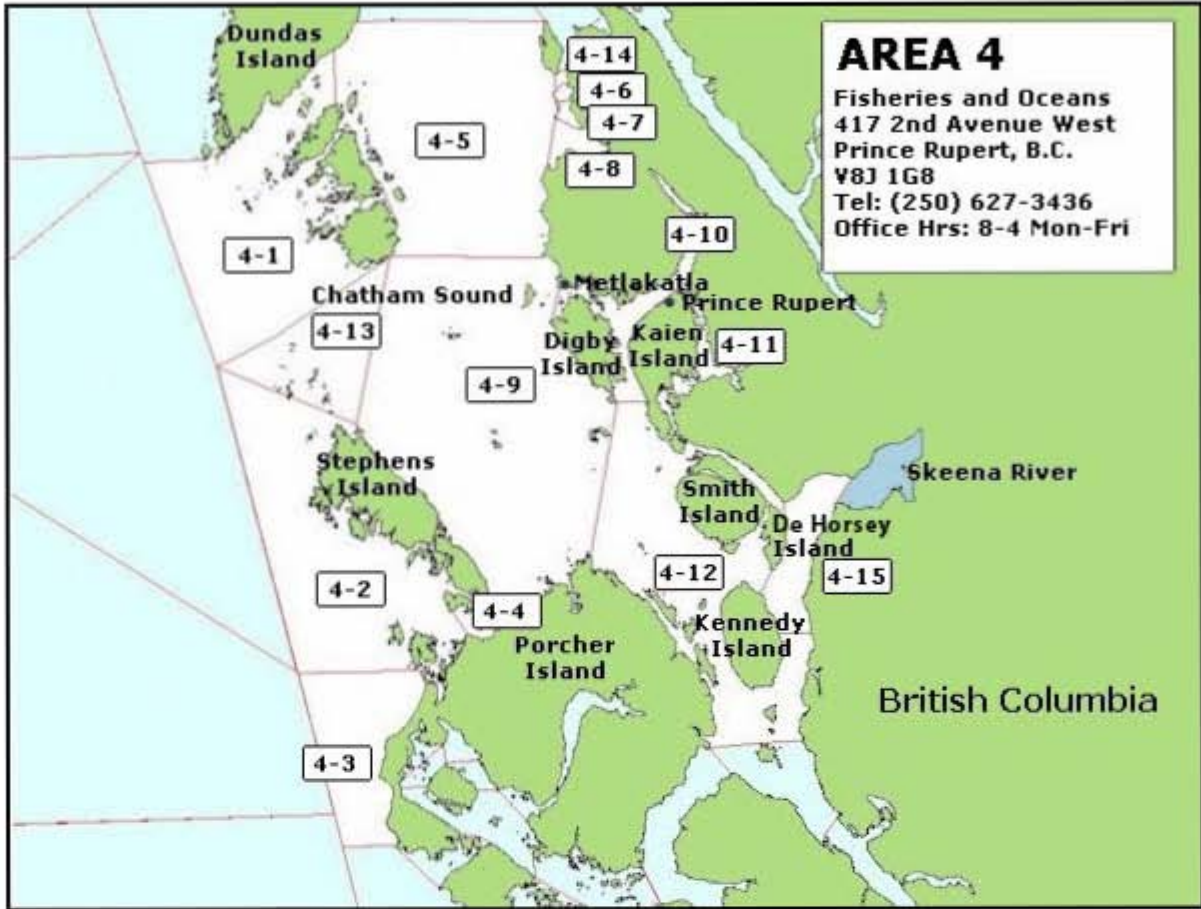
	KHUTZEYMATEEN RIVER	A/P	A/P	10,500	11,000	200
	KWINAMASS RIVER	N/I	A/P	26000	N/I	120
	LARCH CREEK	DNS	DNS	75	N/O	DNS
	LIZARD CREEK	DNS	A/P	660	A/P	DNS
	MANZANITA COVE CREEK	DNS	N/I	425	DNS	DNS
	MOUSE CREEK	DNS	DNS	A/P	DNS	DNS
	PIRATE COVE CREEK	DNS	DNS	70	DNS	N/I
	TSAMSPANAKNOK BAY CREEK	DNS	A/P	186	DNS	DNS
WORK CHANNEL	ENSHESHESE RIVER	A/P	A/P	3557	769	DNS
	LACHMACH RIVER	A/P	A/P	1200	450	N/I
	TOON RIVER	DNS	N/O	1377	742	N/O
	TOTAL	<b>153790</b>	<b>4967</b>	<b>58742</b>	<b>14649</b>	<b>5509</b>

NO – NONE OBSERVED

N/I – NOT INSPECTED

A/P – ADULTS PRESENT & INADEQUATE INFORMATION TO MAKE ESTIMATE

<b>FSC CATCH FIRST NATIONS</b>						
<b>SKEENA/NASS</b>						
<b>2008</b>						
	<b>2008</b>	<b>2008</b>	<b>2008</b>	<b>2008</b>	<b>2008</b>	<b>2008</b>
	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>	
<b>Tsimshian Bands</b>	<b>50,562</b>	<b>801</b>	<b>3,317</b>	<b>314</b>	<b>1,431</b>	
<b>Gitksan/Wet'suwet'en</b>	<b>66,836</b>	<b>1,456</b>	<b>802</b>	<b>20</b>	<b>5,436</b>	
<b>Lake Babine First Nation</b>	<b>38,002</b>					
<b>Takla/Yechooche</b>	<b>526</b>	<b>3</b>			<b>8</b>	
<b>NASS</b>	<b>10,612</b>	<b>150</b>	<b>2</b>	<b>1</b>	<b>245</b>	
<b>TOTAL</b>	<b>166,538</b>	<b>2,410</b>	<b>4,121</b>	<b>335</b>	<b>7,120</b>	
<b>Note</b>	some catch information is incomplete and only represents a portion of the actual catch.					
	This catch information is currently preliminary and may be updated at any time.					



## **2008 Post Season Summary and Assessment**

### **Area 4**

#### **First Nations**

There are six Tribal Groups that fish for Food, Social and Ceremonial purposes in Area 4 of the Skeena River. These are:

- a) The Tsimshian Communities are Lax Kwalaams (Port Simpson), Metlakata, Kitkatla, Kitsum Kalum and Kitselas.
- b) Gitksan Wet'suwet'en (GWWA) - This group is generally split up into Lower Skeena, Upper Skeena, Moricetown and Gitanyow Bands.
- c) Babine Lake First Nations - The main bands associated with this group are Lake Babine, Fort Babine and Burns Lake.
- d) Nisga'a - Member bands are Canyon City, Aiyansh, Greenville and Kincolith.
- e) Gitanyow - Member band Kitwancool
- f) Carrier Sekani - The two bands involved are Takla Lake, and Yekooche.

Fishing activities were conducted in much the same fashion and locations as in past years. As in recent years, all the bands were licensed to fish through a communal fishing license and specific allocations of each salmon species were mutually agreed to. All bands were responsible for designating fishers as well as gathering and reporting catch information to DFO.

#### **ESSR Review**

A license for an ESSR harvest of sockeye salmon was issued to the Lake Babine First Nation . In addition, communal licences were issued to the GWA to harvest sockeye in the mid Skeena River for economic demonstration purposes purposes, as well a license for sock. As well an ESSR harvest of sockeye was harvested by the GWA in the Lower Babine River are These fisheries are described in the 2008 Salmon IFMP. A license was also offered to the Tsimshian in the lower Skeena River, but the opportunity was declined.

All harvesting activities in this fishery must be conducted by selective means as a conservation measure to protect weaker non-target species (coho and steelhead). Details of the fishery were as follows:

#### **Economic Demonstration**

Sockeye July 28- Aug 24

67,289 were harvested by the GWA in the Mainstem Skeena River and lower Babine River utilizing beach seine and dipnets.

#### **ESSR**

Gisgagaas Sockeye Aug 04 – Aug 24

41,715 Sockeye were harvested by Dipnet.

Babine Sockeye Aug 04 –Sept 18

104,585 Sockeye were harvested at the Babine Fence with dipnets

37,388 Sockeye were harvested at Pinkut by Seine

50,506 Sockeye were harvested at Fulton by Seine

Total 192,479

### **2008 Area A Demonstration Fishery (ITQ)**

The ITQ Area A seine fishery was opened in conjunction with the Area C gill net periodically throughout the season, when this occurred, seines were requested to move out of 4-12 and 4-15 to avoid the main concentration of gill net vessels.

Seines were also required to offload prior to fishing when moving between areas with different non-retention and non-possession rules.

First week of the Area A (ITQ) July 22 –July 25

The individual seine quota for this week initially started at 53,500 sockeye and 107,000 pink salmon and was then upgraded 80,250 sockeye and 160,500 pink salmon.

Final figures for this week totalled 66, 569 sockeye and 12,182 pinks.

Second Opening - July 25 to 22:00 Sunday, July 27

The aggregate seine quota for this week has been increased to 96,300 sockeye and 192,600 pink salmon.

Final figures for this week totalled 24,715 sockeye and 5,854 pinks.

Third opening - 06:00 Tuesday, July 29 to 22:00 Sunday, August 3

The aggregate seine quota for this week has been set at 96,300 sockeye and 96,300 pink salmon.

Final figures for this week totalled 76,349 sockeye and 42,239 pinks.

Fourth Opening - 06:00 Tuesday, August 5 to 22:00 Wednesday, August 6

The aggregate seine quota for this week has been set at 53,500 sockeye and 53,500 pink salmon.

Final figures for this week totalled 28,305 sockeye and 31,492 pinks.

Final season total of 195,938 sockeye and 91,767 pinks

The largest number of gill nets operating in Area 4 occurred July 24 with 316 vessels. Total number of openings for gill nets was 14 (2 Chinook & 12 sockeye) for 3319 vessel operating days compared to the last 10 year average of 12.2 openings and 3859 vessel operating days.

The total combined (Marine) Area 4 hauled net catch was 693,258 sockeye and 155,311 pink.

In addition another 67,289 sockeye were caught in the Skeena River Economic Demonstration Fishery (10 gn & 2 sn commercial licences moved inland got an allocation of 68,789 sk) resulting in a final (marine / river) commercial catch of 760,547.

This compares to the last 10 year average catch of 664,492 sockeye and the last 5 even year catch average of 368,414 pink.

A historic look at effort levels taking the average of the 10 years between 1986 and 1995 (pre-fleet reduction) is 15 gill net openings for 9553 vessel operating days and 5.5 seine days for 202 vessel operating days. In doing the decadal comparisons it is important to remember that many things have changed, of note is that openings during 1986 and 1995 were for 24 hours compared to 16 hours in recent times. Also,

although seine effort appears to have increased it is really a transfer from Area 3 where vessel operating days have dropped by over half.

### **Skeena Inland Demonstration Fishery**

The Inland Demonstration Fishery proceeded throughout the 2008 Salmon Season directed at harvesting sockeye and pink salmon.

The fishery was targeted at providing an economic opportunity for First Nations residing on the Skeena River. This year, the fishery was centred in the Mid Skeena River in the vicinity of Kitwanga. This fishery was conducted by the Gitksan First Nation

As in previous years the Tsimpshian group elected not to participate due to costs and their ability to harvest selectively on the Lower Skeena River, a condition of the fishery.

License allocations acquired for the 2008 season are as follows:

Area C - 10 ATP	30 Industry
Area A - 2 ATP	3 Industry

Industry allocations were obtained by the First Nations who engaged in a private business arrangement with the Industry.

Adult sockeye salmon based on weekly catches in the Area 4 commercial fishery were allocated inland, to the GWA in the Kitwanga area.

Catch	
Kitwanga Mid-River	<b>67,289</b>

### **Recreational Review**

The tidal water interception salmon sport fishery begins in late April. Initial effort is mostly by local independent anglers out of Prince Rupert and Port Edward, however the most significant portion of the sportfishing season develops late May and continues to mid September. The fleet operating in Area 4 is made up mainly of independent anglers and charter operators. A tidal water creel survey was conducted in 2008.

### **Commercial Net Fishery Summary**

The Area 4 Chinook gill net fishery opened later in 2008 to assess stock composition and Chinook stock strength past the Skeena Tye Test Fishery to address concerns of Chinook escapement to Area 4 . The first Chinook opening on the Skeena took place July 7/8 (30 hrs.), 91 gill nets participated for an average catch of 2,236 pieces. Data from the the Tye Test fishery indicated that the age structure of the Chinook salmon returning to the Skeena River were near normal.and the Tye Test index was tracking above normal resulted in a second opening . The second chinook gill net opening took place on July 11 with a catch of 948 pieces, 96 gill nets participated in the fishery. The overall catch for the two Chinook openings totalled 3,184 pieces.

The Area 4 net fishery was planned in anticipation of a 1.3 million Skeena sockeye return and a below average pink return. The fishing plan had to be consistent with goals for, rebuilding coho, chum & wild sockeye stocks, limited steelhead exploitation, chinook escapements and sector allocation issues. Some of the restrictions in place to attain these goals were non-retention chum & steelhead for seines and gill nets, time and area closures, harvest rate limitations, daylight only fisheries, mandatory brailing for seines, non-retention chinook for seines, half-length gill nets and 20 minute sets.

Openings were based on Skeena salmon returns, as measured at the Tye test fishery. The first sockeye fishery was July 15 due to poor escapements past the Test fishery early in the year. Gill net catches remained good throughout the season until the first week in August. During that time the gill net fishery in Area 4 switched from long nets to half nets and short sets from July 27 for the duration of the season to

minimize the interception of Steelhead into Area 4. At that time steelhead returns as indicated at the Tyee Test Fishery appeared to be returning above average. Sockeye escapements past the Skeena Tyee Test Fishery remained good until early August. This was followed by a decrease in estimated run size to 2.6 million the following week which brought about a sudden halt to gill net fishing. The last gill net fishery in Area 4 took place August 07.

**Commercial Troll**

**Area 4/104**

**Management Plan**

Harvest areas were adjusted in 2008 and included Subareas 104-1, 104-4 and 104-5 which opened from July 25 until September 30.

**Commercial Troll Review**

A total of 10 boat days were noted for this Area which is adjacent to the Two Peaks. This boundary amended to facilitate the continuation of both conservation objectives and fleet workability in 2008. Considerable enforcement effort was demonstrated previously with a positive response from the fleet. A total of 145 sockeye, 892 coho, 84 pinks. Chinook harvest has been captured in Areas 1 and 101.

## AREA 4 COMMERCIAL SEINE CATCH BY WEEK FOR 2008

DATE	# OF SEINES	HOURS OPEN	BOAT DAYS FISHING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
WEEK 30									
21-Jul	0	0	0	0	0	0	0	0	Closed
22-Jul	19	24	19	9432	0	772	0	0	4-5, 8, 9 & 14
23-Jul	29	24	29	30079	0	4991	0	0	4-5, 8, 9 & 14
24-Jul	23	24	23	15455	0	3716	0	0	4-5, 8, 9 & 14
25-Jul	16	24	16	11603	0	2703	0	0	4-5, 8, 9 & 14
26-Jul	20	24	20	20456	0	4106	0	0	4-5, 8, 9 & 14
<b>TFW</b>	<b>107</b>	<b>120</b>	<b>107</b>	<b>87025</b>	<b>0</b>	<b>16288</b>	<b>0</b>	<b>0</b>	
<b>TTD</b>	<b>107</b>	<b>120</b>	<b>107</b>	<b>87025</b>	<b>0</b>	<b>16288</b>	<b>0</b>	<b>0</b>	
WEEK 31									
27-Jul	11	24	11	4259	0	1748	0	0	4-5, 8, 9 & 14
28-Jul	0	0	0	0	0	0	0	0	Closed
29-Jul	11	24	11	8460	0	3519	0	0	4-5, 8, 9 & 14
30-Jul	19	24	19	10793	0	6790	0	0	4-5, 8, 9 & 14
31-Jul	23	24	23	12925	0	7497	0	0	4-5, 8, 9 & 14
01-Aug	22	24	22	15462	0	8349	0	0	4-5, 8, 9 & 14
02-Aug	22	24	22	12580	0	7231	0	0	4-5, 8, 9 & 14
<b>TFW</b>	<b>108</b>	<b>144</b>	<b>108</b>	<b>64479</b>	<b>0</b>	<b>35134</b>	<b>0</b>	<b>0</b>	
<b>TTD</b>	<b>215</b>	<b>264</b>	<b>215</b>	<b>151504</b>	<b>0</b>	<b>51422</b>	<b>0</b>	<b>0</b>	
WEEK 32									
03-Aug	16	24	16	16129	0	8853	0	0	4-5, 8, 9 & 14
04-Aug	0	0	0	0	0	0	0	0	Closed
05-Aug	22	24	22	15817	0	15551	0	0	4-5, 8, 9 & 14
06-Aug	22	24	22	12488	0	15941			4-5, 8, 9 & 14
07-Aug	0	0	0	0	0	0	0	0	Closed
<b>TFW</b>	<b>60</b>	<b>72</b>	<b>60</b>	<b>44434</b>	<b>0</b>	<b>40345</b>	<b>0</b>	<b>0</b>	
<b>TTD</b>	<b>275</b>	<b>336</b>	<b>275</b>	<b>195938</b>	<b>0</b>	<b>91767</b>	<b>0</b>	<b>0</b>	

AREA 4 COMMERCIAL GILLNET CATCH BY WEEK FOR 2008

DATE	# OF GILLNETS	HOURS OPEN	BOAT DAYS FISHING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
WEEK 28									
07-Jul	91	30	114	226	0	2	0	2236	4-15
11-Jul	96	16	64	2707	0	3	0	948	4-15
TFW	187	46	178	2933	0	5	0	3184	
TTD	187	46	178	2933	0	5	0	3184	
WEEK 29									
15-Jul	282	16	188	43583	0	1793	0	937	4-4,5,8,9,12,14 & 15
17-Jul	300	16	200	57674	0	2212	0	81	4-4,5,8,9,12,14 & 16
18-Jul	300	16	200	70023	0	2235	0	223	4-4,5,8,9,12,14 & 17
TFW	882	48	588	171280	0	6240	0	1241	
TTD	1069	94	766	174213	0	6245	0	4425	
WEEK 30									
21-Jul	296	16	197	64364	0	3103	0	219	4-4,5,8,9,12,14 & 18
22-Jul	314	16	209	64811	0	2785	0	145	4-4,5,8,9,12,14 & 15
23-Jul	0	0	0	0	0	0	0	0	Closed
24-Jul	316	16	211	65756	0	3893	0	214	4-4,5,8,9,12,14 & 15
25-Jul	0	0	0	0	0	0	0	0	Closed
26-Jul	0	0	0	0	0	0	0	0	Closed
TFW	926	48	617	194931	0	9781	0	578	
TTD	1995	142	1383	369144	0	16026	0	5003	
WEEK 31									
27-Jul	241	16	161	27942	0	6783	0	40	4-4,5,8,9,12,14 & 15
28-Jul	216	16	144	21831	0	5059	0	48	4-4,5,8,9,12,14 & 15
29-Jul	0	0	0	0	0	0	0	0	Closed
30-Jul	0	0	0	0	0	0	0	0	Closed
31-Jul	289	16	193	16544	0	3489	0	40	4-4,5,8,9,12,14 & 15
01-Aug	0	0	0	0	0	0	0	0	Closed
02-Aug	0	0	0	0	0	0	0	0	Closed
TFW	746	48	497	66317	0	15331	0	128	Closed
TTD	2741	190	1880	435461	0	31357	0	5131	
WEEK 32									
03-Aug	0	0	0	0	0	0	0	0	Closed
04-Aug	289	16	193	40473	0	15714	0	90	4-4,5,8,9,12,14 & 15
05-Aug	0	0	0	0	0	0	0	0	Closed
06-Aug	0	0	0	0	0	0	0	0	Closed
07-Aug	289	16	193	21386	0	16473	0	15	4-4,5,8,9,12,14 & 15
TFW	578	32	385	61859	0	32187	0	105	
TTD	3319	222	2266	497320	0	63544	0	5236	

AREA 4 2008 PRELIMINARY ESCAPEMENT ESTIMATES

Last updated December 1, 2008

Location

Stream Name	Sockeye	Coho	Pink	Chum	Chinook
BABINE					
BABINE RIVER - SECTIONS 1, 2 AND 3	73700				
BABINE RIVER - SECTION 4	A/P	A/P	A/P	A/P	A/P
BABINE RIVER - SECTION 5	N/I	N/I	N/I	N/I	N/I
BABINE UNACCOUNTED	10461	2628	23938	N/I	2131
BERNANN CREEK (DEEP CR.)	460	DNS	DNS	DNS	DNS
BOUCHER CREEK	N/O	A/P	A/P	N/O	A/P
DONALDS CREEK					
FIVE MILE CREEK	N/O	DNS	DNS	DNS	DNS
FORKS CREEK					
FOUR MILE CREEK	6550	DNS	DNS	DNS	DNS
FULTON RIVER	421562	1251	58	N/I	N/I
HAZELWOOD CREEK					
KEW CREEK					
MORRISON CREEK	2000	N/I	N/I	DNS	DNS
NICHYESKWA RIVER	N/O	A/P	N/O	DNS	N/O
NILKITKWA RIVER	A/P	90	DNS	DNS	N/I
NINE MILE CREEK	600	A/P	N/I	DNS	DNS
PENDELTON CREEK (CROSS CR.)					
PIERRE CREEK	16700	N/O	N/O	DNS	DNS
PINKUT CREEK	160335	A/P	N/I	DNS	N/I
SHASS CREEK					
SIX MILE CREEK (GULLWING CR.)	600	DNS	DNS	DNS	DNS
SOCKEYE CREEK	1100	DNS	DNS	DNS	DNS
SUTHERLAND RIVER					
TACHEK CREEK	1400	N/O	DNS	DNS	DNS
TAHLO CREEK - (LOWER)					
TAHLO CREEK - UPPER (SALMON CR.)					
TELZATO CREEK					
TSEZAKWA CREEK	120	N/I	N/I	DNS	DNS
TWAIN CREEK	520	DNS	N/O	DNS	DNS
WRIGHT CREEK (BIG LOON CR.)	N/O	DNS	DNS	DNS	DNS
BEAR					
ASITKA LAKE	A/P	160	DNS	DNS	N/I
AZUKLOTZ CREEK	3200	A/P	DNS	DNS	DNS
BEAR LAKE					
BEAR RIVER	N/I	580	N/I	DNS	8000
CHIPMUNK	N/I	A/P	N/I	N/I	N/I
DAMSHILGWIT CREEK	150	1760	A/P	DNS	A/P
DEEP CANOE CREEK					

JOHANSON CREEK AND LAKE  
 KLUATANTAN RIVER  
 KLUAYAZ CREEK AND LAKE  
 MOOSEVALE CREEK  
 MOTASE LAKE  
 SALIX CREEK  
 SHILAHOU CREEK  
 SICINTINE RIVER AND LAKE  
 SLAMGEESH RIVER  
 SPAWNING LAKE  
 SUSTUT RIVER AND LAKE\*

N/I	N/I	DNS	DNS	A/P
N/I	N/I	DNS	DNS	A/P

A/P	120	DNS	DNS	DNS
N/I	N/I	DNS	DNS	DNS

212	38	DNS	DNS	793
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BULKLEY / MORICE

ATNA RIVER AND LAKE  
 BLUNT CREEK  
 BUCK CREEK  
 BULKLEY RIVER - LOWER  
 BULKLEY RIVER - UPPER  
 CANYON CREEK  
 CAUSQUA CREEK  
 DEEP CREEK  
 DRIFTWOOD CREEK  
 GOSNELL CREEK  
 HAROLD PRICE CREEK  
 KATHLYN CREEK  
 LAMPREY CREEK  
 MAXAN CREEK  
 MORICE LAKE  
 MORICE RIVER  
 NANIKA RIVER  
 OWEN CREEK  
 REISETER CREEK  
 RICHFIELD CREEK  
 STATION CREEK  
 SUSKWA RIVER  
 TELKWA RIVER  
 THAUTIL RIVER  
 TOBOGGAN CREEK  
 TROUT CREEK  
 TOUHY CREEK  
 WAN CREEK

N/I	N/I	DNS	DNS	A/P
-----	-----	-----	-----	-----

N/I	N/I	N/I	DNS	A/P
-----	-----	-----	-----	-----

DNS	A/P	N/I	DNS	N/I
-----	-----	-----	-----	-----

DNS	N/O	DNS	DNS	DNS
-----	-----	-----	-----	-----

A/P	N/I	DNS	DNS	DNS
N/I	N/I	N/I	DNS	9000
10000	A/P	N/I	DNS	A/P
DNS	N/O	N/I	DNS	DNS

DNS	A/P	DNS	DNS	DNS
-----	-----	-----	-----	-----

DNS	2420	N/I	DNS	N/I
-----	------	-----	-----	-----

N/I	A/P	N/I	N/I	N/I
-----	-----	-----	-----	-----

COASTAL

AIRPORT DOCK CREEK  
 ANTIGONISH CREEK  
 BIG FALLS CREEK  
 BIG USELESS CREEK  
 CHISMORE CREEK  
 DENISE CREEK

DIANA CREEK	A/P	A/P	N/I	N/I	N/I
ECSTALL RIVER					
EKUMSEKUM CREEK					
HAYS CREEK					
HAYWARD CREEK					
HUMPBACK CREEK					
HUNTS INLET CREEK					
JOHNSTON CREEK					
JOHNSTON LAKE					
KHYEX RIVER					
KLOIYA RIVER	DNS	N/I	A/P	N/I	A/P
LA HOU CREEK	DNS	N/I	8500	A/P	DNS
LITTLE USELESS CREEK					
LOCKERBY CREEK					
MADELINE CREEK					
MCNEIL RIVER					
MCNICHOL CREEK	DNS	N/I	A/P	N/I	DNS
MOORE COVE CREEK					
MORESBY CREEK					
MUDDY CREEK					
OLDFIELD CREEK					
OONA RIVER	DNS	A/P	3400	N/I	DNS
PRUDHOMME CREEK	220	30	N/O	N/I	DNS
SCOTT INLET CREEK					
SHAWATLAN RIVER	A/P	A/P	N/I	N/I	N/I
SILVER CREEK	DNS	A/P	940	N/O	N/I
SLIPPERY ROCK CREEK					
SPARKLING CREEK					
SPILLER RIVER	DNS	N/O	500	DNS	DNS
SWAMP ISLAND CREEK					
WOLF CREEK	DNS	A/P	2100	DNS	DNS
BARNES CREEK	460	N/I	DNS	DNS	DNS
BEAVERLODGE CREEK	DNS	299	DNS	DNS	DNS
BIG FISH CREEK					
BROWN PAINT CREEK					
CLIFFORD CREEK	N/I	110	N/I	DNS	DNS
CLUB CREEK (LOWER)	5006	N/I	DNS	DNS	N/I
CLUB CREEK (UPPER)	111	N/I	DNS	DNS	N/I
CULLON CREEK	N/I	521	N/I	N/I	N/I
DATE CREEK					
FALLS CREEK	403	N/I	DNS	DNS	DNS
FOOTSORE CREEK	DNS	71	DNS	DNS	DNS
FOOTSORE CREEK UPPER	DNS	108	DNS	DNS	DNS
HODDER CREEK	N/I	10	DNS	DNS	DNS
IRONSIDE CREEK					
JACKSON CREEK	105	N/I	DNS	DNS	DNS
KISPIOX RIVER					
LITTLE FISH CREEK					

KISPIOX

MCCULLY CREEK  
 MCQUEEN CREEK  
 MURDER CREEK  
 NANGEESE RIVER  
 SKUNSNAT CREEK  
 STEEP CANYON CREEK  
 STEPHENS CREEK  
 SWAN LAKE  
 SWAN LAKE CREEK #1 UNNAMED  
 SWAN LAKE CREEK #2 UNNAMED  
 SWEETIN RIVER  
 TWIN CREEK  
 KITSUMKALUM  
 WILLIAMS LAKE CREEK

DNS	95	N/I	DNS	DNS
N/I	320	N/I	N/I	N/I
DNS	95	N/I	DNS	DNS

ALICE CREEK  
 ALLARD CREEK  
 CEDAR RIVER  
 CLEAR CREEK  
 COHOE CREEK  
 CULP CREEK  
 DEEP CREEK  
 DRY CREEK  
 GEORGE CREEK  
 GLACIER CREEK  
 GOAT CREEK  
 KITSUMKALUM LAKE  
 KITSUMKALUM RIVER - LOWER  
 KITSUMKALUM RIVER - UPPER  
 LEAN-TO CREEK  
 LUNCHEON CREEK  
 MAYO CREEK  
 NELSON RIVER  
 PONTOON CREEK  
 SKI HILL CREEK  
 SPRING CREEK  
 LAKELSE  
 STAR CREEK

N/I	N/I	DNS	DNS	N/I
-----	-----	-----	-----	-----

A/P	N/I	DNS	DNS	DNS
-----	-----	-----	-----	-----

ANDALAS CREEK  
 BLACKWATER CREEK  
 CLEARWATER CREEK  
 COLDWATER CREEK  
 COTE CREEK  
 DASQUE CREEK  
 GOSSON CREEK  
 HATCHERY CREEK  
 HERMAN CREEK  
 HOTSPRING CREEK  
 HOTSPRING SLOUGH  
 KILLUTSAL CREEK  
 LAKELSE RIVER

N/I	179	N/I	DNS	DNS
-----	-----	-----	-----	-----

DNS	A/P	21500	N/I	A/P
-----	-----	-------	-----	-----

OTHER LOWER SKEENA	MINK CREEK					
	NORTH HATCHERY CREEK					
	SALMON CREEK					
	SCHULBUCKHAND CREEK	A/P	N/I	N/I	DNS	DNS
	SOCKEYE CREEK	240	N/I	N/I	DNS	N/I
	WHITE CREEK					
	WILLIAMS CREEK	2150	A/P	N/I	DNS	N/I
	ABERDEEN CREEK					
	ALASTAIR LAKE	A/P	N/I	DNS	DNS	DNS
	ALWYN CREEK					
	ANDESIDE CREEK	DNS	DNS	A/P	60	N/I
	DOG TAG CREEK					
	ERLANDSEN CREEK	DNS	A/P	DNS	N/I	A/P
	ESKER SLOUGH					
	EXCHAMSIKS RIVER	N/I	1000	N/I	300	A/P
	EXSTEW RIVER AND SLOUGH	N/I	1000	N/I	N/I	A/P
	GITNADOIX RIVER	DNS	1500	A/P	A/P	A/P
	INVER CREEK					
	KADEEN CREEK	DNS	N/I	N/I	N/I	A/P
KASIKS RIVER	N/I	450	A/P	N/I	A/P	
KWINITSA CREEK						
MAGAR CREEK	DNS	A/P	A/P	N/I	A/P	
MIDDLE CREEK						
MOLYBDENUM CREEK						
NORTH GRANITE CREEK						
SCOTIA RIVER						
SHAMES RIVER						
SHAMES SLOUGH						
SKEENA RIVER						
SOUTHEND CREEK	300	N/I	DNS	DNS	DNS	
THORNHILL CREEK						
WEST SIDE CREEK						
WHITEBOTTOM CREEK						
ZYMAGOTITZ RIVER	DNS	A/P	N/I	N/I	N/I	
BURDICK CREEK						
CHICAGO CREEK						
CHIMDEMASH CREEK						
COLE CREEK						
COMEAU CREEK						
COYOTE CREEK						
DEEP CANYON CREEK						
ELF CREEK						
FIDDLER CREEK						
GLEN VOWELL CREEK						
HARDSCRABBLE CREEK						
HAZELTON CREEK						

KITSEGUECLA RIVER	N/I	A/P	N/I	N/I	N/I
KITSUNS CREEK					
KITWANGA RIVER (fence count)	1108	2882	4245	150	1450
KLEANZA CREEK	N/I	N/I	A/P	N/I	N/I
LEGATE CREEK					
LIMONITE CREEK					
LITTLE OLIVER CREEK					
LORNE CREEK					
LOWRIE CREEK					
MOONLIT CREEK					
NOBLE FIVE CREEK					
PRICE CREEK					
SALMON RUN CREEK	DNS	156	DNS	DNS	N/I
SHANDILLA CREEK					
SHANNON CREEK					
SHEGUNIA RIVER					
SIMPSON CREEK					
SINGLEHURST CREEK	N/I	74	N/I	DNS	DNS
THOMAS CREEK					
TRAPLINE CREEK					
WILSON CREEK					
ZYMOETZ RIVER - LOWER					
ZYMOETZ RIVER - UPPER	173	A/P	DNS	DNS	N/I

TOTAL ALL AREAS **719946 17947 65181 510 21374**

NO – NONE OBSERVED

N/I – NOT INSPECTED

A/P – ADULTS PRESENT & INADEQUATE INFORMATION TO MAKE ESTIMATE

<b>FSC CATCH FIRST NATIONS</b>							
<b>SKEENA/NASS</b>							
<b>2008</b>							
		<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>	
<b>Tsimshian Bands</b>		<b>50,562</b>	<b>801</b>	<b>3,317</b>	<b>314</b>	<b>1,431</b>	
<b>Gitksan/Wet'suwet'en</b>		<b>66,836</b>	<b>1,456</b>	<b>802</b>	<b>20</b>	<b>5,436</b>	
<b>Lake Babine First Nation</b>		<b>38,002</b>					
<b>Takla/Yechooche</b>		<b>526</b>	<b>3</b>			<b>8</b>	
<b>NASS</b>		<b>10,612</b>	<b>150</b>	<b>2</b>	<b>1</b>	<b>245</b>	
	<b>TOTAL</b>	<b>166,538</b>	<b>2,410</b>	<b>4,121</b>	<b>335</b>	<b>7,120</b>	
<b>Note</b>	some catch information is incomplete and only represents a portion of the actual catch.						
	This catch information is currently preliminary and may be updated at any time.						



## **2008 Post Season Summary and Assessment**

### **Area 5**

#### **First Nations**

There are six Tribal Groups that fish for Food, Social and Ceremonial purposes in Area 4 of the Skeena River. These are:

- a) The Tsimshian Communities are Lax Kwalaams (Port Simpson), Metlakata, Kitkatla, Kitsum Kalum and Kitselas.
- b) Gitksan Wet'suwet'en (GWWA) - This group is generally split up into Lower Skeena, Upper Skeena, Moricetown and Gitanyow Bands.
- c) Babine Lake First Nations - The main bands associated with this group are Lake Babine, Fort Babine and Burns Lake.
- d) Nisga'a - Member bands are Canyon City, Aiyansh, Greenville and Kincolith.
- e) Gitanyow - Member band Kitwancool
- f) Carrier Sekani - The two bands involved are Takla Lake, and Yekooche.

Fishing activities were conducted in much the same fashion and locations as in past years. As in recent years, all the bands were licensed to fish through a communal fishing license and specific allocations of each salmon species were mutually agreed to. All bands were responsible for designating fishers as well as gathering and reporting catch information to DFO.

#### **Recreational Review**

The tidal water interception salmon sport fishery begins in late April. Initial effort is mostly by local independent anglers out of Prince Rupert and Port Edward, however the most significant portion of the sportfishing season develops late May and continues to mid September. The fleet operating in Area 5 is made up mainly of independent anglers and charter operators.

#### **Commercial Net Fishery Summary**

Area 5 is largely managed as an extension of the Area 4 fishery with a potential late fishery on local pink stocks. The forecasted surplus of local pinks was for a below average return. Low chum escapements remain a concern and fisheries continue to be managed to rebuild these stocks. All fisheries were non-retention chum.

For 2008 Area 5 opened in conjunction with Area 3 for a total of 2 openings under the conditions that Gitxaala fisheries program reported am gear counts, midday hauls, collected sockeye DNA for stock composition and to coordinate joint patrols with C&P. The rest of the season area 5 had 8 gill net openings to coincide with the Area 4 full length net fishery.

The first gill net fishery was June 24 and the last on July 28th for a total of 10 openings and 28 vessel operating days compared to the 10 year average of 9.9 openings and vessel operating days of 81.5.

The seine fishery started July 15 and closed July 21 for a total of 2 openings and 15 vessel operating days compared to the 10 year average of 13.9 openings and vessel operating days of 56.3. Due to poor pink escapements, area 5 did not have available surplus for harvest. Effort in Area 5 reduced significantly for both gear types due to strong sockeye fishing in Area 4.

Total commercial catch for Area 5 was 2,366 sockeye and 540 pink.

**Commercial Troll**

**Area 5/105**

**Management Plan**

The majority of Area 5 was closed again for the 2008 salmon season. Portions of Subareas 105-1 and 105-2 were opened on July 25<sup>th</sup> as per the IFMP. The Rockfish Protection Area closure in Subarea 105-1 was in effect.

**Commercial Troll Review**

A total of 19 boat days were reported in Subarea 105-1 with 1,578 coho and 16 pinks harvested. 1 Chinook salmon was also reported as harvested though the area was closed to the harvest of Chinook.

AREA 5 COMMERCIAL SEINE CATCH BY WEEK FOR 2008

DATE	# OF SEINES	HOURS OPEN	BOAT DAYS FISHING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
WEEK 29									
15-Jul	12	24	12	111	0	100	0	0	5-1 , 2 & 3
16-Jul	0	0	0	0	0	0	0	0	Closed
17-Jul	0	0	0	0	0	0	0	0	Closed
18-Jul	0	0	0	0	0	0	0	0	Closed
19-Jul	0	0	0	0	0	0	0	0	Closed
TFW	12	24	12	111	0	100	0	0	
TTD	12	24	12	111	0	100	0	0	
WEEK 30									
21-Jul	3	24	3	461	0	137	0	0	5-1 , 2 & 3
22-Jul	0	0	0	0	0	0	0	0	Closed
23-Jul	0	0	0	0	0	0	0	0	Closed
24-Jul	0	0	0	0	0	0	0	0	Closed
25-Jul	0	0	0	0	0	0	0	0	Closed
TFW	3	24	3	461	0	137	0	0	
TTD	15	48	15	572	0	237	0	0	

AREA 5 COMMERCIAL GILLNET CATCH BY WEEK FOR 2008

DATE	# OF GILLNETS	HOURS OPEN	BOAT DAYS FISHING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
WEEK 26									
24-Jun	4	16	3	520	0	16	0	1	5-10 & ^13
TFW	4	16	3	520	0	16	0	1	
WEEK 27									
01-Jul	21	16	14	1134	0	240	0	5	5-10 & ^13
TFW	21	16	14	1134	0	240	0	5	
TTD	25	32	17	1654	0	256	0	6	
WEEK 28									
08-Jul	0	0	0	0	0	0	0	0	Closed
09-Jul	0	0	0	0	0	0	0	0	Closed
10-Jul	0	0	0	0	0	0	0	0	Closed
12-Jul	0	0	0	0	0	0	0	0	Closed
13-Jul	0	0	0	0	0	0	0	0	Closed
15-Jul	0	0	0	0	0	0	0	0	Closed
TFW	0	0	0	0	0	0	0	0	
TTD	25	32	17	1654	0	256	0	6	
WEEK 29									
15-Jul	0	16	0	0	0	0	0	0	5-1 , 2 & 3
16-Jul	0	0	0	0	0	0	0	0	Closed
17-Jul	0	16	0	0	0	0	0	0	5-1 , 2 & 3
18-Jul	0	16	0	0	0	0	0	0	5-1 , 2 & 3
19-Jul	0	0	0	0	0	0	0	0	Closed
TFW	0	48	0	0	0	0	0	0	
TTD	25	80	17	1654	0	256	0	6	
WEEK 30									
21-Jul	1	16	1	30	0	3	0	0	5-1 , 2 & 3
22-Jul	1	16	1	96	0	39	0	1	5-1 , 2 & 3
23-Jul	0	0	0	0	0	0	0	0	Closed
24-Jul	0	16	0	0	0	0	0	0	5-1 to 3
25-Jul	0	0	0	0	0	0	0	0	Closed
TFW	2	48	1	126	0	42	0	1	
TTD	27	128	18	1780	0	298	0	7	
WEEK 31									
27-Jul	1	16	1	14	0	5	0	0	5-1 , 2 & 3
28-Jul	0	16	0	0	0	0	0	0	5-1 , 2 & 3
29-Jul	0	0	0	0	0	0	0	0	Closed
30-Jul	0	0	0	0	0	0	0	0	Closed
31-Jul	0	0	0	0	0	0	0	0	Closed
01-Aug	0	0	0	0	0	0	0	0	Closed
TFW	1	32	1	14	0	5	0	0	
TTD	28	160	19	1794	0	303	0	7	

**AREA 5 2008 PRELIMINARY ESCAPEMENT ESTIMATES**

<b>Location</b>	<b>Stream Name</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
LOWER GRENVILLE	BELOWE CREEK	A/P	150	325	185	DNS
	LAGOON CREEK	DNS	A/P	A/P	A/P	DNS
	LOWE INLET SYSTEM	A/P	A/P	N/I	N/I	DNS
	RED BLUFF CREEK	DNS	300	DNS	DNS	DNS
	STEWART CREEK	N/I	A/P	800	350	DNS
	SYLVIA CREEK	DNS	70	N/I	N/I	DNS
	TSIMTACK LAKE SYSTEM*	A/P	130	280	50	DNS
LOWER PRINCIPE	CURTIS CREEK	1400	N/I	360	A/P	DNS
	DEVON LAKE SYSTEM	1200	A/P	A/P	N/I	DNS
	KEECHA CREEK	A/P	A/P	N/I	N/I	DNS
	KOORYET CREEK	A/P	N/I	N/I	N/I	DNS
	MIKADO LAKE SYSTEM	A/P	N/I	A/P	N/I	DNS
OGDEN / KITKATLA	ALPHA CREEK	DNS	A/P	2400	N/I	DNS
	CAPTAIN COVE CREEK	N/I	A/P	3900	A/P	DNS
PETREL CHANNEL / ALA PASS	HEVENOR INLET CREEKS	N/I	A/P	80	66	DNS
	MARKLE INLET CREEK	N/I	27	24	550	DNS
	SHAW CREEK	DNS	A/P	1300	N/I	DNS
	WILSON INLET CREEK	DNS	A/P	A/P	850	DNS
PORCHER INLET	HEAD CREEK	A/P	15	2400	20	DNS
UPPER GRENVILLE	FALSE STEWART CREEK	N/I	A/P	300	N/I	DNS
	KLEWNUGGIT INLET CREEKS	N/I	N/I	100	40	DNS
	KUBAS CREEK	N/I	N/I	N/O	N/I	DNS
	KUMEALON CREEK	N/I	300	6500	30	150
	KXNGEAL CREEK	DNS	DNS	280	A/P	DNS
	PA-AAT RIVER	A/P	A/P	3000	A/P	DNS
	<b>AREA 5 TOTAL</b>	<b>2600</b>	<b>992</b>	<b>22049</b>	<b>2141</b>	<b>150</b>

NO – NONE OBSERVED

N/I – NOT INSPECTED

A/P – ADULTS PRESENT & INADEQUATE INFORMATION TO MAKE ESTIMATE

# AREA 6

Fisheries and Oceans  
5235 A Keith Avenue  
Terrace, B.C.  
V8G 1L2  
Tel: (250) 615-5350  
Office Hrs: 8-4:30  
Mon-Fri



## **2008 Post Season Summary and Assessment**

### **Area 6**

#### **First Nations**

There are 3 native bands that fish for food, social, and ceremonial purposes within Area 6.

**Hartley Bay Band** - Members of this band fish Douglas Channel adjacent to Hartley Bay, Laredo Channel, and Campania Sound. The Hartley Bay Band is represented by the Tsimshian Tribal council. FSC salmon are negotiated and agreed to by the Tribal Council. Each band is responsible for issuing designations to their members. Catch information is collected by each band and forwarded to the tribal council in Prince Rupert who then reports to DFO.

**Kitasoo Band**- This band is located in Area 7 at Klemtu. Band members conduct food fishing in Laredo, West Higgins, Fraser/Graham, and Kitasoo Bay. This band issues FSC designations to its members.

**Kitimaat Band** - Members of this band fish in Kitimat Arm and Douglas Channel, Verney Pass and Gardner Canal. Fishing for chum and chinook is concentrated in the Kitimat Arm area in the vicinity of the village. Fishing for sockeye is concentrated in the Kitlope, as well as Fishtrap and Danube Bay. Coho are harvested in the Kitimat Arm and Kildala Arm areas as well as the Paril River. Monitoring of the FSC fishery is conducted by the Haisla Fisheries Program. Catch information is forwarded to DFO.

#### **Recreational Review**

The tidal water interception salmon sport fishery begins in late April. Initial effort is mostly by local independent anglers out of Kitimat, however the most significant portion of the sportfishing season develops late May and continues to mid September. In addition to a significant fleet made up of independent anglers and charter operators, there were 6 lodge operations set up.

#### **Commerical Net Fishery Summary**

The Area 6 net fishery was planned in anticipation of modest pink returns, poor wild chum returns and modest returns of Kitimat Hatchery chum. Restrictions were in place to conserve wild chum, steelhead coho and chinook. These restrictions involved, non-retention steelhead and coho for both gear types, mandatory brailing for seines, non-retention chum for seines at the Gil Island fishery, non-retention chinook for seines, closure of the Gil Island fishery to gill net and daylight only fisheries.

The first gill net fishery opened on July 14th in Douglas Channel. Eight gill nets participated in the one day fishery for a catch 316 chum. Chum fishing persisted for 2 more weeks with poor catches. Early returns of chum to the Kitimat River indicated very poor returns. After the fishery on July 29<sup>th</sup> it was announced that no further fisheries would take place until escapements improved. Chum returns remained poor and Area 6 had no further openings.

The peak number of gill nets operating in Area 6 was on July 14<sup>th</sup> with 8 vessels. Total number of gill net days was 5 for 28 vessel operating days compared to the 10 year average of 21 openings and 610 vessel operating days. The total Area 6 gill net catch was 3008 chum compared to the 10 year average of 106,000. This is the lowest gill net catch of chum in Area 6 since 1996.

The only seine fishery in Area 6 occurred on July 14<sup>th</sup>. Seven seines fished at Gil Island for an extremely poor catch of 751 pink. Considering the brood year escapements and the poor catch it was decided not to announce any further openings until in season assessments of approach waters and streams indicated a harvestable surplus. No surplus ever became evident. The Area 6 five even year average is 12 seine openings and 197 vessel operating days for a catch of 640,000.

**Commercial Troll**

**Area 6/106**

**Management Plan**

Some minor adjustments to boundaries were made in 2008 but inside surfline areas were limited as in the previous year. Rockfish Protection Areas were closed all year.

**Commercial Troll Review**

The total effort realized in Area 6 was 245 boat days and 2 boat days were noted in Area 106. The total catch reported was 15,808 coho and 790 pink salmon. A total of 10 Chinook were also recorded as having been caught in the area though the Area was closed to harvesting Chinook.

### AREA 6 COMMERCIAL SEINE CATCH BY WEEK FOR 2008

DATE	# OF SEINES	HOURS OPEN	BOAT DAYS FISHING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
WEEK 29									
14-Jul	7	16	5	435	0	751	0	0	6-5p, 6p, 10, 27 & 28
17-Jul	0	0	0	0	0	0	0	0	Closed
19-Jul	0	0	0	0	0	0	0	0	Closed
20-Jul	0	0	0	0	0	0	0	0	Closed
TFW	7	16	5	435	0	751	0	0	
TTD	7	16	5	435	0	751	0	0	

### AREA 6 COMMERCIAL GILLNET CATCH BY WEEK FOR 2008

DATE	# OF GILLNETS	HOURS OPEN	BOAT DAYS FISHING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	OPEN MANAGEMENT UNITS
WEEK 29									
14-Jul	8	16	5	22	0	17	316	18	6-1p
17-Jul	0	0	0	0	0	0	0	0	Closed
19-Jul	0	0	0	0	0	0	0	0	Closed
20-Jul	0	0	0	0	0	0	0	0	Closed
TFW	8	16	5	22	0	17	316	18	
TTD	8	16	5	22	0	17	316	18	
WEEK 30									
21-Jul	3	16	2	12	0	18	724	15	6-1p
22-Jul	3	16	2	7	0	7	314	8	6-1p
23-Jul	0	0	0	0	0	0	0	0	Closed
24-Jul	0	0	0	0	0	0	0	0	Closed
TFW	6	32	4	19	0	25	1038	23	
TTD	14	48	9	41	0	42	1354	41	
WEEK 31									
28-Jul	7	16	5	9	0	80	758	3	6-1p
29-Jul	7	16	5	11	0	91	896	4	6-1p
TFW	14	32	9	20	0	171	1654	7	
TTD	28	80	19	61	0	213	3008	48	

Area 6 2008 Escapement Summary (Preliminary Nov-17-2008)

Location	Stream Name	Sockeye	Coho	Pink	Chum	Chinook
ARISTAZABAL ISLAND WEST	BORROWMAN CREEK	A/P	A/P	1400	125	
	CLIFFORD CREEK		N/I	N/I	N/I	
	DEVIL CREEK		N/I	N/I	N/I	
	DON CREEK	N/I	N/I	N/I	N/I	
	DUFFEY CREEK	N/I	N/I	N/I	N/I	
	EAGLE CREEK	N/I	A/P	50	465	
	FLUX CREEK	N/I	A/P	A/P	660	
	KDELMASHAN CREEK	N/I	N/I	N/I	N/I	
	LINNEA CREEK		N/I	N/I	N/I	
	LITTLE KETTLE CREEK	N/I	N/I	N/I	N/I	
	MCDONALD CREEK	N/I	N/I	N/I	N/I	
	NOBLE CREEK	N/I	N/I	N/I	N/I	
	SALMON CREEK		N/I	N/I	N/I	
	SENTINEL CREEK	N/I	N/I	N/I	N/I	
	STANNARD CREEK	N/I	N/I	N/I	N/I	
	TRENAMAN CREEK		N/I	N/I	N/I	
	WEST CREEK		N/I	N/I	N/I	
WEST CREEK AND LAKE	N/I	N/I	N/I	N/I		
DOUGLAS-URSULA- DEVASTATION CHANNELS	ANGLER COVE CREEK		N/O	100	N/O	
	BIG TILLHORNE RIVER	NO	A/P	720	1	
	EVELYN CREEK	700	300	1400	75	
	FISHTRAP BAY CREEK		N/I	NO	NO	
	FOCH RIVER	NO	200	30	240	
	GILTTOYEES CREEK		A/P	A/P	A/P	A/P
	GOAT RIVER		N/I	A/P	A/P	
	GRIBBLE ISLAND CREEK		N/I	55	NO	
	HARTLEY BAY CREEK	950	1500	1040	8	
	HAWKSBURY ISLAND CREEK		N/I	85	NO	
	HUGH CREEK	NO	300	700	25	
	KEESIL CREEK	N/I	N/I	N/I	N/I	
	KIHESSE CREEK		N/I	12	2	
	KISKOSH CREEK	NO	102	1370	20	
	KITKIATA CREEK	NO	A/P	10000	A/P	
	LITTLE TILLHORNE RIVER		N/I	55	NO	
	MISSED CREEK	N/I	NO	280	NO	
	PIKE CREEK		N/I	N/I	N/I	
	QUAAL RIVER	60	1000	26000	380	A/P
	RIORDAN RIVER		110	560	10	
	VERNEY PASSAGE CREEK		N/I	NO	NO	
	WEEWANIE CREEK		N/I	10	4	
	FRASER - GRAHAM REACH	AALTANHASH RIVER	A/P	320	1750	10
CANOONA RIVER		4000	A/P	1300	A/P	

	DOME CREEK (HEAD CR.)		A/P	1500	10	
	GREEN RIVER	A/P	600	4200	1100	
	KHUTZE RIVER		A/P	2000	400	25
	KLEKANE RIVER		A/P	600	10	
	MARMOT COVE CREEK		N/I	320	A/P	
	MARSHALL CREEK		N/I	A/P	A/P	
	MCKAY CREEK		A/P	A/P	1000	
	MEYERS PASS CREEK	N/I	N/I	N/I	N/I	N/I
	SCOW BAY CREEK		A/P	2650	70	
	SODA CREEK		A/P	5600	100	
	TAYLOR CREEK	N/I	N/I	N/I	N/I	N/I
GARDNER CHANNEL						
	BRIM RIVER		570	650	14	A/P
	CRAB RIVER		NO	20	14	
	HOTSPRING CREEK		NO	15	18	
	KEMANO RIVER	NO	A/P	22000	1200	A/P
	KILTUIH RIVER	NO	550	20	260	NO
	KITLOPE RIVER	A/P	A/P	NO	NO	A/P
	KOWESAS RIVER		N/I	N/I	N/I	N/I
	PARIL RIVER		550	50	NO	
	TSAYTIS RIVER		N/I	N/I	N/I	N/I
	WAHOO CREEK		665	110	8	110
KITIMAT ARM						
	ANDERSON CREEK	NO	90	335	NO	
	BEAVER CREEK	N/I	N/I	N/I	N/I	N/I
	BISH CREEK		A/P	1014	150	
	BOLTON CREEK		N/I	N/I	N/I	
	BOWBEYES CREEK		N/I	N/I	N/I	
	CORDELLA CREEK		N/I	N/I	N/I	
	DALA RIVER	NO	900	1500	300	A/P
	EAGLE BAY RIVER		N/I	NO	NO	
	EMSLEY CREEK		N/I	A/P	NO	
	FALLS RIVER		N/I	N/I	N/I	
	KILDALA RIVER	N/I	1700	A/P	A/P	A/P
	KITIMAT RIVER	1000	A/P	4000	5000	A/P
	M.E.S.S. CREEK		N/I	N/I	N/I	
	MOORE CREEK		NO	N/I	N/I	
	PINE CREEK		N/I	N/I	N/I	
	WATHL CREEK		N/I	NO	6	
	WATHLSTO CREEK		N/I	N/I	N/I	
LAREDO CHANNEL - CAMPANIA SOUND						
	ARGYH CREEK		N/I	N/I	N/I	
	BARNARD CREEK		A/P	1300	200	
	BLACKROCK CREEK		A/P	400	35	
	CAMPANIA ISLAND CREEK			N/I		
	CARTWRIGHT CREEK		N/I	N/I	N/I	
	CHAPPLE CREEK		N/I	N/I	N/I	
	CHERRY CREEK		N/I	N/I	N/I	
	CRANE BAY CREEK		N/I	110	35	

CRIDGE INLET CREEK	N/I	N/I	N/I	N/I	
DOUGLAS CREEK	N/I	N/I	N/I	N/I	
EAST ARM CREEK		470	185	10	
EVINRUDE CREEK	N/I	N/I	N/I	N/I	
FURY CREEK	N/I	N/I	N/I	N/I	
GIL CREEK	A/P	A/P	22000	110	
HOME BAY CREEKS		A/P	A/P		
KENT INLET LAGOON CREEK	900	A/P	N/I	N/I	
LIMESTONE CREEK	A/P	A/P	4850	50	
MCMICKLING CREEK		N/I	N/I	N/I	
PENN CREEK		N/I	N/I	N/I	
RIVERS BIGHT CREEK		A/P	600	20	
ROLAND CREEK		A/P	N/I	N/I	
TALAMOOSA CREEK	N/I	N/I	N/I	N/I	
TURN CREEK		A/P	8400	40	
TURTLE CREEK	A/P	A/P	7700	95	
TUWARTZ CREEK		N/I	N/I	N/I	
WALE CREEK	N/I	A/P	N/I	N/I	
WEST ARM CREEK	200	A/P	1000	500	
WHALEN LAKE CREEK	A/P	600	600	25	
WINDY ISLAND CREEK			N/I	N/I	
LAREDO SOUND					
ARNOUP CREEK		200	10000	750	
BLEE CREEK		55	400	60	
BLOOMFIELD CREEK	300	N/I	175	A/P	
BUSEY CREEK	N/I	N/I	N/I	N/I	
DALLAIN CREEK	N/I	N/I	N/I	N/I	
DALLY CREEK		N/I	N/I	N/I	
FIFER CREEK		A/P	610	A/P	
GULL CREEK	N/I	N/I	N/I	N/I	
KWAKWA CREEK	2000	N/I	A/P	A/P	
NIAS CREEK	N/I	A/P	2450	2000	
OSMENT CREEK		N/I	N/I	N/I	
PACKE CREEK		N/I	N/I	N/I	
POWLES CREEK	A/P	A/P	50	N/I	
PRICE CREEK	900	N/I	A/P	A/P	
PYNE CREEK		A/P	670	50	
QUIGLEY CREEK	N/I	A/P	300	A/P	
RONALD CREEK		N/I	N/I	N/I	
STEEP CREEK		A/P	N/I	N/I	
TRAHEY CREEK		A/P	A/P	A/P	
TYLER CREEK		350	1000	1350	
TOTAL recorded	11010	11132	156301	17015	135
NO – NONE OBSERVED					
N/I – NOT INSPECTED					
A/P – ADULTS PRESENT & INADEQUATE INFORMATION TO MAKE ESTIMATE					



**North Coast C&P  
Compliance and Enforcement  
Mid Season Summary  
April 1<sup>st</sup> to November 1<sup>st</sup> 2008**

This mid season summary is intended to provide a detailed description of the compliance and enforcement effort North Coast Conservation and Protection (C&P) staff directed toward numerous commercial, recreational and First Nations fisheries (primarily salmon) as well as habitat enforcement during the period of April 1/08 to November 1/08

The North Coast Area includes Fishery Management Areas 1 -10 and extends north along the West Coast of British Columbia from Cape Caution to Stewart, and from the Queen Charlotte Islands east to the land break between the Upper Bulkley River (Tam Creek) and the Fraser watershed (Rose Lake) located approximately mid way between Burns Lake and Houston BC.

There are 10 office sites where C&P have Officers located. They are Bella Bella (4 FOs), Bella Coola (4 FOs), Queen Charlotte City (3 FOs), Masset (3 FOs), Prince Rupert (9 FOs), Terrace and Kitimat (5 FOs), New Aiyansh (4 FOs), Hazelton (2 FOs), Smithers (4 FOs). These 38 Fishery Officers are responsible for all C&P program delivery in this very large and diverse area. This season C&P had several vacant positions to contend with located in QCCity and Terrace. In all locations C&P staff work closely with Resource Management, Stock Assessment, Oceans, Habitat and Enhancement Branch staff as well as the public and industry to develop and implement Operational Work Plans that reflect National, Regional, Area and local priority issues.

This same strategy was again used in 2008/09 operational planning where increased priority was placed on the Area 3-4 (Prince Rupert) commercial salmon gill net and seine fisheries, the Area F Salmon Troll fishery, the FN Skeena River and Babine River Inland Economic fisheries, and continued efforts on the recreational salmon fisheries both tidal and non tidal. This planning and adaptive management to in season compliance and enforcement issues proved to be an effective use of NC C&P resources. This season saw a focussed effort by Prince Rupert C&P staff on assessing and reacting to early concerns in the Area 3-4 commercial gill net fisheries where early non compliance with revival box use was very high. As a result of this unacceptable practice, DFO engaged industry in a firm manner to assist in raising the compliance of this important management tool. Further fisheries saw an increased C&P presence resulting in a higher level of compliance.

The following is a Fishery Officer Patrol Effort Summary comparison of key activities for April 1 to Nov. 1/07 and April 1 to Nov. 1/08

**NORTH COAST C&P ENFORCEMENT SUMMARY**

KEY PATROL ACTIVITY PROFILE

<b><u>All WORK ELEMENTS April 1 to Nov 1/07</u></b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	persons chks
Rec Salmon (Tidal)	427	1556	22	2240	236	436	2404
Rec Salmon (non Tidal)	295	1256	17	2244	1067	159	3027
Aboriginal Special License	209	722	10	1150	124	44	400
Unlicensed/Closed time/area	180	567	8	947	99	110	304
Comm Salmon net	62	292	4	597	264	12	225
Rec Finfish Tidal	95	314	4	427	405	59	1062
SARA Abalone	41	185	3	325	16	2	32
Aboriginal Salmon	98	229	3	294	54	29	184
Comm Salmon Troll	25	113	2	205	45	0	46
CSSP	55	140	2	300	31	7	94
Comm Salmon selective	11	58	1	150	128	0	47
<b>Total Patrol Effort on above Elements</b>	<b>2128</b>	<b>7184</b>	<b>76%</b>	<b>11579</b>	<b>2839</b>	<b>1114</b>	<b>9216</b>

<b>All WORK ELEMENTS April 1 to Nov 1/08</b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	person chks
Rec Salmon (Tidal)	210	799	11	1497	669	88	2412
Rec Salmon (non Tidal)	538	2106	28	2766	524	699	5033
Aboriginal Special License	242	863	12	1242	113	110	571
Unlicensed/Closed time/area	139	385	5	726	47	61	186
Comm Salmon net	45	247	3	603	302	3	249
Rec Finfish Tidal	90	365	5	617	196	58	595
SARA Abalone	28	135	2	315	5	0	4
Aboriginal Salmon	192	612	8	751	75	45	378
Comm Salmon Troll	21	1501	2	231	132	0	69
CSSP	33	103	1	199	1	3	32
Comm Salmon selective	4	20	-1%	52	33	0	27
<b>Total Patrol Effort on above Elements</b>	<b>1580</b>	<b>7136</b>	<b>77.5%</b>	<b>8999</b>	<b>2097</b>	<b>1067</b>	<b>9556</b>
A difference from 2007 of	-548	-48	1.5%	-2580	-742	-47	+340

### **Data Summary**

#### **Rec Fishing Effort**

- (non tidal and tidal) in 2007 accounts for 43% of overall work (817 patrols) with 4911 Fishery Officer hours. 2008 shows 44% (838 patrols) with 4880 Fishery Officer hours.

#### **Commercial Salmon Net and Selective**

- 2007 shows 73 patrols for 5 % of total effort with 392 vessels checked.
- 2008 shows 49 patrols for 3.5% of total effort with 335 vessels checked

The reduction in 2008 numbers for commercial net fisheries primarily reflects the reduced fishing opportunities in the Central Coast area. Re-alignment of targeted enforcement to the commercial salmon net fisheries in the Prince Rupert area reduced overall recreational enforcement effort. Also, two GT 05 vacancies in QCCity and Terrace along with two FOs from mid June to mid September assigned to the Fraser River, reduced available patrol staff.

## North Coast C&P Detachment Mid Season Summaries

### QCI Detachment

- The Queen Charlotte Islands is an archipelago of Islands that are located about 100 Km off the British Columbia north-coast. From south to north they stretch about 300 Km and maximum width is about 100 Km. This is over 6000 square miles of patrol area including the adjacent waters. The two main islands are Graham Island in the North, and Moresby Island in the south. Graham and Moresby are separated by the very narrow Skidegate Channel that provides access to the west coast of the Islands.
- The Northern boundary of the detachment is the international border to Alaska.
- There are about 300 Salmon streams on the Islands. 100 of these are major systems (key streams). The largest of these are Yakoun, Deena, Pallant, Lagon, Salmon, Government, Awun-Ain. They provide for terminal fisheries for Chum, Pink, Coho, Sockeye, Chinook salmon, and Steelhead trout.
- The total Islands population is approximately 6500. The main centers are Masset, Old Masset, Port Clements, Tlell, Skidegate, Queen Charlotte City, and Sandspit.
- There are two First Nation Bands, Old Masset and Skidegate, with a population of about 3500. The Council of Haida Nations Fisheries Program is operating in co-operation with DFO on most fisheries issues.
- DFO office locations are at Masset (Three Fishery Officers) and Queen Charlotte City (One Fishery Officer and Detachment Supervisor).
- The Main industry is logging. Commercial, recreational and AFS fishing operations are also of primary importance to the Islands economy.
- There is a significant recreational fishery in the Queen Charlotte Islands. Over 26 lodges and fish guiding companies can accommodate over 800 vessels recreationally fishing in the QCI Detachment area.
- The detachment is supported by the CCGS Arrow Post.
- The current Detachment strength is only 4 Fishery Officers. There are 2 GT-05 Field Supervisor vacancies. One in Masset and one in Queen Charlotte.

### Detachment Highlights

There were no protest activities within the QCI Detachment. However there was concern early in the year of potential protest activity as a result of the R vs. Russ file in regards to retention of Abalone. There were a significant number of Area F Salmon Troll violations in the QCI Detachment area in 2008. These ranged from illegal gear, exceeding quota, non head retention, and fishing during closed time violations. In total there are 21 Area F Troll violations being investigated.

The recreational fishery continues to be significant in the Queen Charlotte Islands. There were a total of 65 violations in the recreational fishery in 2008. The violations in this fishery were up by 21 from 2007. However with over 1000 fishers checked in 2008 65 violations are relatively normal.

### Staff Training and Resource Management

QCI Detachment staff attended annual recertification process with success. Detachment and Field Supervisors attended mandatory health and safety training as well as leadership training.

QCI Detachment received an increase in staff with the Detachment Supervisor position being filled in QCC and another new recruit Fishery Officer staffed in Masset. There will be two vacancies still to be filled in the QCI Detachment in 2009 with both Field Supervisor positions vacant in Masset and Queen Charlotte.

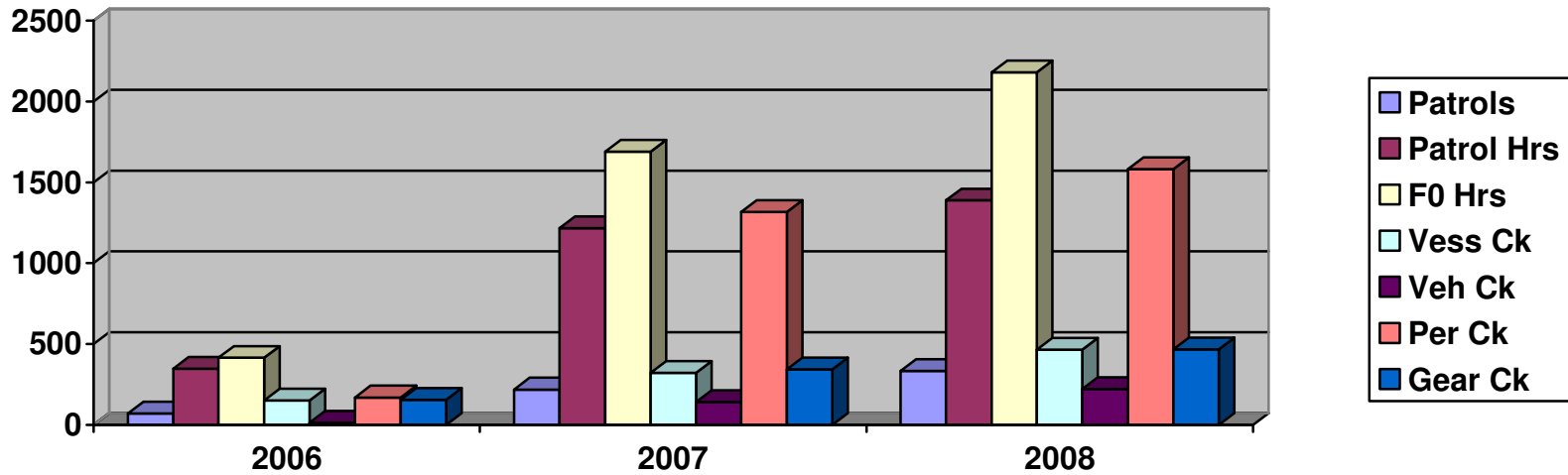
### Queen Charlotte Islands Pillar 1 Effort

- Meeting with Haida Fisheries and developing enforcement protocols and enforcement committees
- Joint patrols with Haida Fishery Guardians
- Hospital Day parade in Queen Charlotte
- School talks in both Masset and Queen Charlotte
- Working with stream keeper groups in fry releases and egg takes
- Participating in local SFAB meetings
- Joint agency patrols with BC CO service, Ministry of Forests, RCMP, and National Parks
- Positive Ticket initiative for 2009

**Table 1: Comparison Table of FEATS Data for April – November 2006, 2007, 2008 – QCI Detachment.**

Year	Patrols	Patrol hours	FO hours	Vessels Checked	Vehicles Checked	Persons Checked	Gear Checks
April – November 2008	333	1387.50	2180.75	465	221	1582	467
April – November 2007	218	1215.75	1788.50	365	179	1315	352
April – November 2006	71	346.50	413.50	150	13	169	155

**Chart 1: QCI Detachment FEATS Data April – November 2006, 2007, and 2008**



**Table 2: April – November 2008 Summary of patrol activity by work element.**

PATROL ACTIVITY PROFILE							
<b>WORK ELEMENTS 2008</b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	Persons chks
REC – FINFISH (TIDAL)	52	261	19	446.5	158	33	496
REC – SALMON (TIDAL)	53	235	17	346	113	18	356
COMM – SALMON - TROLL	21	150.5	11	230.5	132	0	69
SHELLFISH (CSSP) CONTAMINATED	32	127.25	9	209.25	0	32	77
REC – SHELLFISH (NON-BIVALVE)	31	100.5	7	160	9	72	206
REC – SALMON (NON-TIDAL)	19	70.75	5	106.75	0	29	74
SARA ABALONE	12	57	4	109.5	2	0	5
REC - FINFISH (NON-TIDAL)	13	55	4	65	10	6	33
OTHER UNLICENSED / CLOSED AREA/TIME	15	42.5	3	46	8	0	6
OTHER – COMMERCIAL INSPECTION	5	40	3	46	8	0	35
REC – SHELLFISH (BIVALVE)	10	27.5	2	42	0	1	56
HABITAT FORESTRY	8	23.5	2	45.5	0	0	2
COMMERCIAL SHELLFISH PRAWN	2	21	2	63	1	0	0
COMMERCIAL SHELLFISH CLAMS	5	19	2	19	3	11	35
ABORIGINAL SALMON	6	16	2	24	6	1	10
Others less than 1% not shown							
Total Patrol Effort for all staff	333	1387.5	100	2180.75	465	221	1582

**Table 3: April – November 2007 Summary of patrol activity by work element.**

PATROL ACTIVITY PROFILE							
<b>WORK ELEMENTS 2007</b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	Persons chks
REC – SALMON (TIDAL)	53	267.5	20	406.5	167	36	508
REC – FINFISH (TIDAL)	49	262.0	20	355.5	359	39	983
SARA - ABALONE	31	258.25	19	427	14	14	56
COMM – SALMON TROLL	18	95.5	7	165	36	0	42
SHELLFISH (CSSP) CONTAMINATED	13	54	4	73	0	4	4
COMM – SHELLFISH PRAWN	5	47.5	4	47.5	7	0	14
REC – SHELLFISH (BIVALVE)	11	40	3	55.5	0	6	23
REC – SHELLFISH (NON-BIVALVE)	11	35	3	55	0	155	443
REC – FISNFISH (NON-TIDAL)	6	31	2	31	0	5	8
OTHER – COMMERCIAL INSPECTION	5	28.5	2	32.5	0	0	0
REC – SALMON (NON-TIDAL)	5	24	2	27.5	0	6	11
COMM – SHELLFISH SHRIMP	3	23	2	23	0	0	0
COMM – GROUND FISH HALIBUT	2	19	1	38	7	0	9
ABORIGINAL - SHELLFISH	3	14.5	1	18.5	1	0	2
HABITAT FORESTRY	4	13	1	23.5	0	0	0
Others less than 1% not shown							
Total Patrol Effort for all staff	218	1215.75		1788.50	365	179	1315

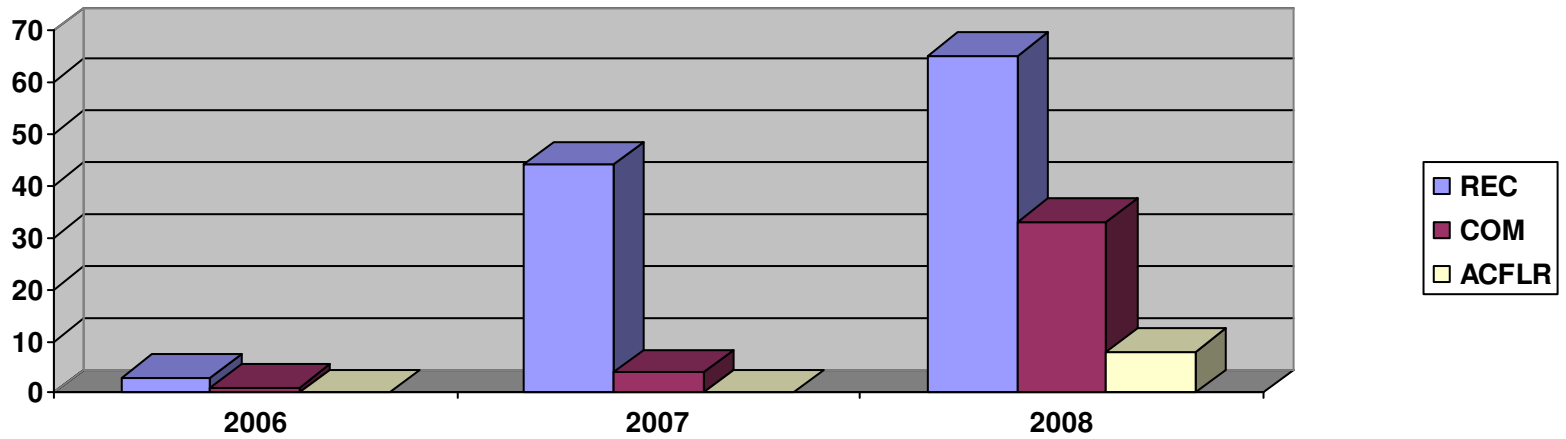
**Table 4: April – November 2008 QCI Detachment Violation Summary.**

VIOLATION	COMMERCIAL FISHERY	RECREATIONAL	ACFLR
LICENCE/REPORTING	2	21	
CLOSED/AREA TIME	6	5	6
ILLEGAL GEAR		22	
ILLEGAL BUY/SELL/POSSESS			
LICENCE CONDITIONS	19		2
EXCEED DAILY QUOTA	3	4	
ILLEGAL POSSESSION/TRANSPORTATION	1		
SPECIES / SIZE LIMIT	2	13	
GEAR CONFLICT			
OTHER LEGISLATION			
REPORTING			
TOTAL	33	65	8

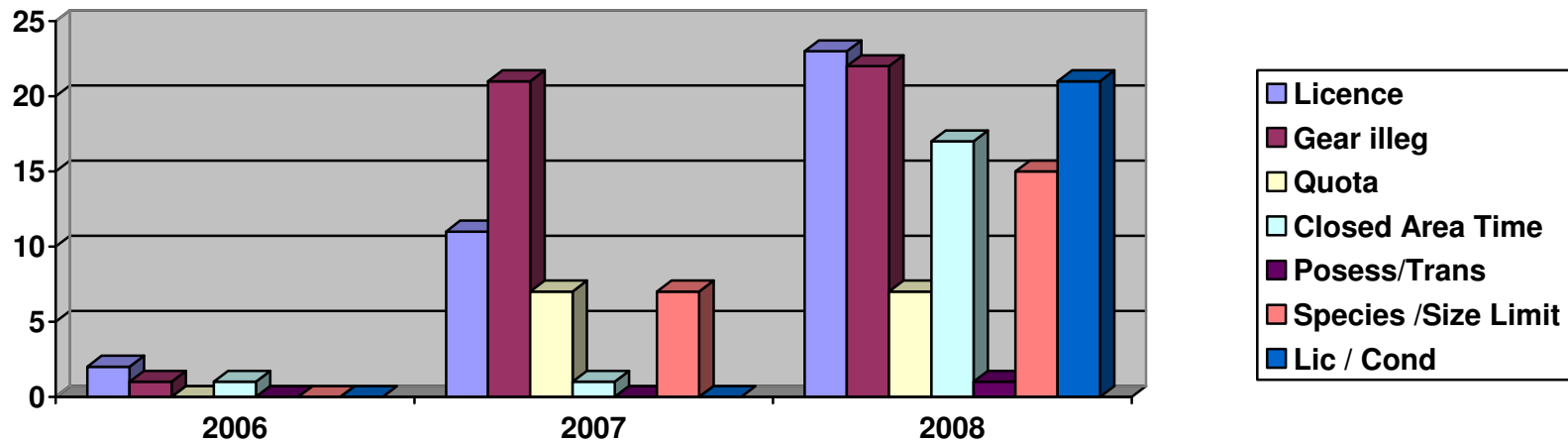
**Table 5: April – November 2007 QCI Detachment Violation Summary.**

VIOLATION	COMMERCIAL FISHERY	RECREATIONAL	ACFLR
LICENCE/REPORTING	0	11	
CLOSED/AREA TIME		1	
ILLEGAL GEAR	1	21	
ILLEGAL BUY/SELL/POSSESS			
LICENCE CONDITIONS			
EXCEED DAILY QUOTA	3	4	
ILLEGAL POSSESSION/TRANSPORTATION			
SPECIES / SIZE LIMIT		7	
GEAR CONFLICT			
OTHER LEGISLATION			
REPORTING			
TOTAL	4	44	0

**Chart #2 OCI Detachment Violations by Fishery April – November 2006, 2007, and 2008**



**Chart #3 Fishery Violations by Type OCI Detachment April - November 2006-08**



## Prince Rupert Detachment

- The detachment area covers approximately 2 degrees latitude (120 miles) of the northern mainland coast, from the Canada/Alaska border to Hartley Bay, including portions of the Nass, Skeena and Khyex Rivers.
- Prince Rupert is the major centre of the detachment area, with a population of approx. 13,000. The port of Prince Rupert is one of the largest fish landing ports in British Columbia, with large numbers of fish landings occurring year round. Several smaller communities dependant on marine resources also are in the detachment area – Port Edward and the First Nations communities of Lax Kw’alaams, Kitkatla, Metlakatla, Gingolx, and Hartley Bay. The total population of these communities is approx. 3,000.
- Prince Rupert and Port Edward comprise a major trade terminus (shipping terminal and railhead/highway head) and center of the coastal forestry and fishing industries. The expansion of the Prince Rupert container port facilities was complete in the fall of 2007, with phase 2 expected to begin construction in the next few years.
- There was an increase in whale watching charters. This will require additional attention as complaints of harassment are becoming more prevalent.
- The detachment is located in a single office in downtown Prince Rupert. The current complement of C & P enforcement staff is eight officers. This includes the Detachment Supervisor, two Field Supervisors, and five Fishery Officers. Four of the Fishery Officers are new recruits and started in June 2007. One Fishery Officer was on leave for April 1 – Nov 1, 2008 reducing our compliment to 7 officers. The detachment is supported by the CCGS Kitimat II (C & P tasked CCG platform).
- The current detachment strength is a 20-percent reduction from the previous 10-officer organization. The management of most of the detachment’s fisheries has become increasingly more complex in recent years. This has resulted in an inability to address many issues/fisheries, i.e. proper auditing and enforcement actions regarding logbook/fish slip compliance in salmon troll and gillnet fisheries.

### **2008 Detachment Highlights:**

We have significant intelligence of FSC fishing being laundered into the commercial gillnet fishery. We conducted several patrols to ensure that FSC fish wasn’t onboard commercial gill net fishing vessels prior to a commercial gillnet opening.

We had a significant problem with gillnet vessels failing to have operational revival boxes operating during the salmon gillnet fishery. This practice was a focus of our enforcement efforts and resulted in several charges and in the future may curtail commercial gillnet openings. We attended all the commercial openings in Nisga’a territory with no violations noted. Barbed hooks in the recreational salmon fishery were an enforcement issue this year.

PRINCE RUPERT PATROL ACTIVITY  
PROFILE

<b><u>WORK ELEMENTS April 1/08 to Nov 1/08</u></b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	persons chks
Rec Salmon (Tidal)	36	206.5	20	328.0	110	9	388
Commercial Salmon - net	24	172.75	17	460.25	189	0	136
Recreational Salmon (non Tidal)	19	87.0	9	168.0	0	10	180
Comm Herring - roe	12	60.5	6	125.25	9	0	14
CSSP - Bivalve	5	32.5	3	60.0	0	0	0
Aboriginal Special License	12	117.25	12	216.5	42	0	33
Unlicensed/Closed time/area	5	21.25	2	58.0	12	0	0
Commercial shellfish - prawn	4	27.0	3	53.5	0	0	0
Commercial salmon – selective fishing	2	16.5	2	48.5	33	0	27
Aboriginal Salmon	6	28.5	3	35.0	28	0	32
Sara Northern Abalone	14	125.0	12	220.75	3	0	4
Recreational Shellfish non bivalve	5	19.75	2	24.0	2	0	3
Recreational Halibut	4	14.75	1	22.5	2	7	25
Total Patrol Effort for all staff	148	929.25	92	1820.25	430	26	842

PRINCE RUPERT PATROL ACTIVITY  
PROFILE

<b><u>WORK ELEMENTS April 1/07 to Mar 31/08</u></b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	persons chks
Rec Salmon (Tidal)	67	463	25	755	270	9	856
Commercial Salmon - net	17	139.5	7	282.25	113	12	118
Recreational Salmon (non Tidal)	23	108.25	6	161.25	6	0	116
Comm Herring - roe	15	83.25	4	156.0	27	0	48
CSSP - Bivalve	13	58	3	132.25	2	0	10
Aboriginal Special License	6	62	3	149.5	48	0	58
Unlicensed/Closed time/area	6	51	3	187.5	70	0	0
Aboriginal Shellfish non-bivalve	16	48.25	3	57.75	2	0	3
Commercial salmon – selective fishing	6	46.75	2	113.25	100	0	8
Aboriginal Salmon	10	48.75	3	59.75	35	0	22
Sara Northern Abalone	23	222.5	12	299.25	4	0	3
Recreational Shellfish non bivalve	17	74	4	103.75	4	0	25
Commercial Shellfish crab	14	70	4	75.5	6	0	10
Total Patrol Effort for all staff	233	1475.25	79	2533	687	21	1277

**PRINCE RUPERT VIOLATION SUMMARY**

**April 1/08 - Nov 1/08**

<b>VIOLATION</b>	<b>COMMERCIAL</b>	<b>RECREATIONAL</b>	<b>NATIVE</b>
FAIL TO PRODUCE LICENCE	5	6	0
IMPROPER VRN NUMBERS	2	0	0
ILLEGAL HARVEST U/S	0	0	1
CLOSED TIME	4	3	1
ILLEGAL GEAR	1	8	1
RELEASE FISH (least harmful manner)	1	0	0
LICENCE CONDITIONS - other	6	0	8
LICENCE CONDITONS – Rev. box	24	0	0
BARBED HOOK	0	35	0
EXCEED DAILY QUOTA	0	0	0
FISH CANNOT BE MEASURED	0	4	0
FAILURE TO RECORD CHINOOK	0	4	0
<b>TOTAL</b>	<b>43</b>	<b>60</b>	<b>11</b>

**PRINCE RUPERT VIOLATION SUMMARY**

**April 2007 - March 2008**

<b>VIOLATION</b>	<b>COMMERCIAL</b>	<b>RECREATIONAL</b>	<b>NATIVE</b>
FAIL TO PRODUCE LICENCE	0	0	0
FISH WITHOUT LICENCE	1	11	0
ILLEGAL HARVEST U/S	0	4	0
CLOSED TIME	0	6	0
ILLEGAL GEAR	2	13	16
ILLEGAL SALES	0	0	0
LICENCE CONDITIONS	8	10	0
BARBED HOOK	0	18	0
EXCEED DAILY QUOTA	0	1	0
FISH CANNOT BE IDENTIFIED	0	3	0
FISH CANNOT BE MEASURED	0	0	0
FALSE STATEMENT TO F/O	0	1	0
<b>TOTAL</b>	<b>11</b>	<b>67</b>	<b>16</b>

**Prince Rupert C&P Detachment Violations**

	2006	2007	2008	2009
Files	0	7*	75**	
Charges	10	27	28	
VPT	10	20	47	
Warning	18	30	39	
Tot. Violate	28	58	114	

- In addition, one file was diverted from court to the restorative justice program
- In addition, two files were diverted from court to a restorative justice program

### **Habitat Compliance and Enforcement Operations**

C&P staff continued to focus on medium to high risk violations/occurrences. Two requests for assistance were received from Habitat Management staff according to the North Coast Protocol, of which one resulted in a joint patrol and the other was cancelled.

### **Education/Shared Stewardship – Pillar #1**

Education and shared stewardship consisted of a suite of activities for promoting compliance through strategies such as public education, promotional campaigns and engagement of stakeholders. The Prince Rupert Detachment met these objectives by leading and participating in a variety of activities and community events.

The Prince Rupert detachment strived to build and improve relationships with local First Nations by conducting the following activities:

- C&P staff worked cooperatively with the First Nations on Enforcement Protocols and enforcement issues
- All C&P staff conducted joint enforcement patrols with First Nation Guardians from the Tsimshian and Nisga'a Nations.
- C&P staff have promoted and increased the use of Restorative Justice Processes to resolve local enforcement issues when appropriate. Significant progress has been made with the Kitkatla Community.
- Fishery Officers attended school presentations and the career fairs in Kitkatla, Port Simpson, Metlakatla and Skidegate.
- Fishery Officers attended Crabfest in Kincolith.

C&P staff participated in many other activities and with a variety of stakeholders and public. Those activities included:

- The Trade show is a large, annual community event with a large local turn-out. C&P attended and set up a touch tank with various salt water species to the enjoyment of the public. Their participation has been praised by event organizers.
- All C&P staff contributed and participated in promoting C&P and DFO in schools by attending career days in Prince Rupert and Port Edward.
- C&P staff participated in Remembrance Day activities.
- C&P staff conducted SARA patrols and successfully promoted and delivered community education meetings.
- C&P staff attended local SFAB meetings, which were an excellent venue for exchanging information and building partnerships.
- There are several sport fishing lodges in the detachment area. An education and information program has been on-going for a number of years and recently updated and formalized with the production of informational packages. Fishery Officers visited lodges at the beginning of the fishing season.
- Officers were heavily involved in the Seafest celebrations which included the sail past, parade, bullhead derby, informational booth and touch tank and the dunk tank.

## Terrace Detachment

The Terrace Detachment encompasses two distinct areas in Coastal BC North Area. The Detachment Supervisor is stationed in Terrace.

### ***The Terrace/New Aiyansh Field Unit***

- This Field Unit covers a portion of the Skeena River and numerous tributaries from the Kasiks River upstream to Legate Creek. Population centers include Terrace, Thornhill, Usk, Rosswood, Kitselas and Kitsumkalum, and the watershed of the Nass River drainage and numerous tributaries, also including the town of Stewart BC (Can/US border). The area has a scattered population, with the communities in Greenville, Canyon City, New Aiyansh, Meziadin, Bell Irving and Stewart. First Nations fisheries include Inland Economic Opportunity Fisheries, FSC for salmon
- Five Fishery Officers are assigned to this area, 1 Field Supervisor (GT05) 3 Fishery Officers (GT04) 1 trainee (GT-02). Of the four, two officers were identified to deal with Canada's commitment related to the Nisga'a Treaty. Nisga'a Treaty implementation (FSC, Individual and Communal Sales Fisheries and ESSR), Gitnayow (FSC and ESSR) Interim Measures/Treaty and Gitsksan (FSC and overlap claims) are the primary focus related to First Nations activities. Recreation, both tidal and non-tidal opportunities are available year round (weather permitting), with concentrated efforts on Chinook, Coho, steelhead, crab, ground fish, prawns etc. The area is vast and access to recreational opportunities is increasing. Habitat related activity includes forestry (roads, foreshore, harvest activities and silviculture prescriptions), mining, road development (Highways expansion) and residential expansion.

### ***The Kitimat Field Unit***

- The Kitimat portion of this Field Unit includes the Kitimat River drainage and tributaries, Statistical Area 6 and numerous tributaries. Population centers include Kitimat, Haisla, Kemano and Hartley Bay. First Nations Fisheries include FSC for salmon, ground fish, prawns, crab, urchins etc. These activities are year round and include tidal and non-tidal waters. CSSP/Aquaculture activities are also on the increase. Proposed FSC harvest for bi-valves on a limited scale for First nations is being explored. Recreational fisheries occur year round in tidal (Area 6) and non-tidal waters. Primary species includes Chinook, Coho, chum, ground fish, prawns, crab etc
- Three Fishery Officers are assigned to this area, Field Supervisor (GT05) and two Fishery Officer (GT04). Recreation fisheries are available year round (weather permitting), but are concentrated during the months of April to November. Chinook, Sockeye, Coho and Steelhead are the primary species targeted by fishers.
- Habitat related activities include forestry (roads, foreshore, harvest activities and silviculture prescriptions), mining, and road development/maintenance, industrial, rural (foreshore destruction).
- Commercial fisheries operate through out Area 6 and include salmon (Sn/Gn/troll), shellfish (urchins, cucumbers, crab, prawn, shrimp trawl, ground fish (halibut/sablefish). Habitat related activities includes forestry (roads, foreshore, harvest activities and silviculture prescriptions), mining, road development/maintenance, industrial (Alcan, Methanex and

Eurocan Pulp Mill), rural (foreshore destruction) and urban (sewage spills etc). Eight (8) sport fish lodges have expanded in Area 6 that operates from May to November. Rockfish conservation closed areas are also patrolled.

***Highlights:***

- Terrace Detachment had Denis Burnip leaving C&P after being in Terrace since 1994. Andy Lewis takes over as Detachment Supervisor.
- In an attempt to deal with the inability to staff the New Aiyansh Field Unit GT-05 position the Detachment Field Unit realignment pilot was put into place. This initiative to be assessed in spring 2009
- The forecast for less than average sockeye returns to the Nass River negated any in-river Individual sales fisheries by Nisga'a Fisheries because of a lack of fisheries resources.
- Terrace Detachment vacancy was not staffed.
- The Skeena River inland economic opportunity sales fishery did not happen again this year.
- Almost non-existent salmon fishery for commercial SN and GN in Area 6 for chums and pinks.
- The Chinook Fishery on the Skeena turned out to be average, with a below average recreational sport fishery.
- Skeena River recreational sockeye fishing pressure showed an increase, with fairly high numbers being caught.
- The Coho fishery for the most part was average on the lower tributaries on Skeena River.
- The Kitimat area in both the river and marine waters, showed an increase in fishing pressure. Kitimat still shows higher non compliance rate. Numerous violations were encountered for illegal gear (bait, barbed hooks), licensing and recording, exceeding quotas, not meeting minimum size requirements, and transportation issues.
- Officers Hansen and Nelson were seconded to work on the Fraser River, out of the Lillooet Detachment for three weeks in August. This necessitated deploying Officers from within the Detachment to New Aiyansh.
- The recreational fishery in the Nass area continues to grow. Pressure on the tributaries (Tseax and Ishkheenickh Rivers) is becoming a concern. Areas of concern were identified and with the support of the local SFABs restrictions were applied.
- Officers are encountering illegal sales activities around the villages of New Aiyansh, Greenville and Gingolx. Reports of sales of crab and halibut coming from Gingolx are being forwarded to the Prince Rupert office.
- Officers are active in the community, and assist with egg takes and classroom projects. Officers are in close contact and work co-operatively with the Nisga'a Lisims Government fisheries personnel, as well as the RCMP and COS.
- A highlight would be the work with the Kitsumkalum Band Guardian Richard Roberts. Richard was involved in most aspects of our enforcement planning within the Kitsumkalum territory and participated in the Riverboat Days parade with the FOC boat. This was very well received by all including the large crowd that gathered along the parade route.

### ***Education/Shared Stewardship – Pillar #1***

Officers participated for the first time in the River Boat Days parade. This was an excellent Pillar one activity and our presence will be enhanced next year. Officers have been active in the community, assisting with egg takes and classroom projects. Officers participated in a joint COS, FOC operation on the Skeena River on the July long weekend. Otto, Nelson and Trent working on presentations for Whistler, N/C Area meetings and coffee table books.

Education and shared stewardship (pillar one) consists of the suite of essential activities for promoting compliance through strategies such as education, promotional campaigns and engagement of stakeholders. The Terrace Detachment C&P staff has met these objectives by leading and participating in a variety of activities and community events with all stakeholders.

Activities have included;

- C&P staff have assisted the local FOC Community Advisor with their hatchery egg takes and fry releases in their school programs.
- C&P staff work cooperatively with the First Nations on Enforcement Protocols and agreements, meet through the year with the local First Nations.
- C&P staff have participated with the Hartley Bay Band in SARA abalone, killer whale and sea otter open houses in Hartley Bay.
- All C&P staff conduct joint enforcement patrols with First Nation Guardians from the Nisga'a, Haisla, Kitsum Kalum and Kitsalis Bands.
- C&P staff continue to strive to use, and have used the Restorative Justice process to resolve local enforcement issues when appropriate.
- The Terrace Trade show is a large, annual community event with a large local turnout. C&P has always attended and help set up a "touch tank" with various salt water species to the enjoyment of the public. Their participation has been praised by the organizers, and DFO has won the best exhibit prize two years running.
- Participate with a vehicle and boat in the Riverboat Days parade in Terrace with Kitsum Kalum Guardian Richard Roberts.
- Participate in River Clean up day on the Skeena River helping volunteers with cleaning up the river banks.
- Participate every year with the Community Adviser with school egg takes and fry releases in the spring and fall respectively in Terrace, Kitimat and Stewart.
- All C&P staff have contributed and participated in promoting C&P and DFO in the schools by attending career days in Terrace, Kitimat and New Aiyansh.
- C&P staff participate in all Remembrance Day activities in Terrace and Kitimat, in dress uniforms.
- C&P staff conducting SARA CCGV patrols have successfully promoted and delivered community education meetings, mostly in First Nation communities.
- C&P staff attend all local SFAB meetings as well. This is an excellent venue for an exchange of information and valuable partnerships have been developed and continue to be maintained and grow.
- There are approx. 20 recreational lodges and resorts in the Terrace Detachment area. An education and information program has been on-going for a number of years and recently updated and formalized. This program will continue. C&P maintains a very close working relationship with almost all the lodges. The lodge and resort association continues to partner with C&P to address any and all issues within our responsibilities.

- Officers are involved in the communities with coaching sports teams and being involved in local clubs and organizations.
- Officers attend gatherings by local youth groups like the Scouts, and attend River's Day activities.

### Terrace Detachment Statistical Summary

Table 1: Comparison table of FEATS Data for 2005 -2008 to date – Terrace Detachment.

Year	Patrols	Patrol hours	FO hours	Vessels Checked	Vehicles Checked	Persons Checked	Gear Checks
2008	619	2159	3219	650	683	3787	2381
2007	723	2403	2840	609	517	2720	1875
2006	476	2300	2501	388	474	1758	643
2005	781	3683	4165	306	539	1567	414

Graph 1: Comparison table of FEATS Data for 2005 -2008 to date – Terrace Detachment.

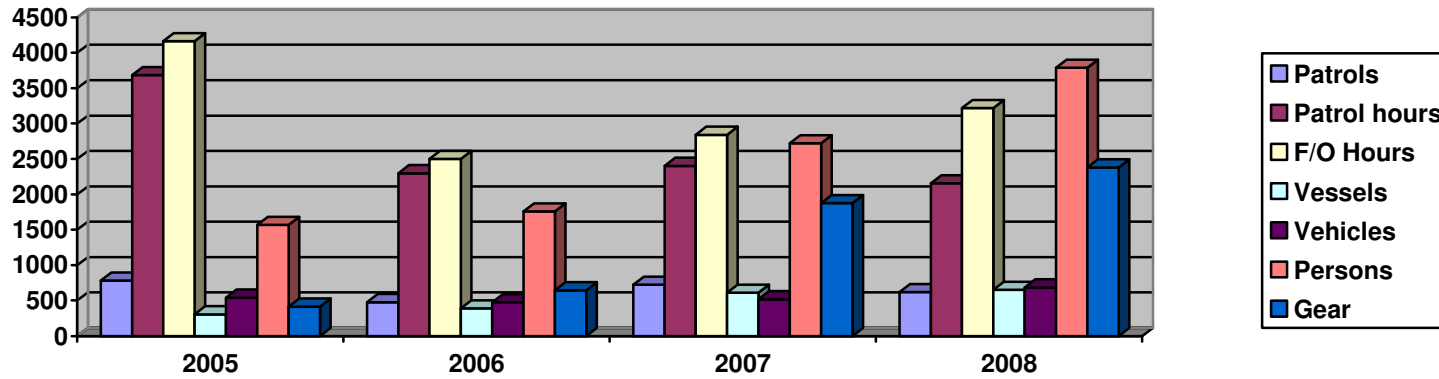


Table #2. 2008 Summary of patrol activity by work element to date.

PATROL ACTIVITY PROFILE							
<b>WORK ELEMENTS</b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	Persons chks
Rec Salmon (non Tidal)	202	888	36	1079	417	513	2957
Aboriginal Special License	212	712	29	859	48	64	178
Unlicensed/Closed time/area	64	248	10	470	25	53	125
Rec Salmon (Tidal)	18	107	4	157	86	25	280
Aboriginal Salmon	19	87	4	97	6	12	64
Comm Shellfish Prawn	8	84	3	160	5	0	15
Habitat General	23	73	3	73	0	0	0
Rec Finfish (Non-tidal)	18	64	3	69	6	12	58
Rec Halibut	13	41	2	32	16	3	39
CSSP - Bivalve	8	35	1	27	0	0	0
SARA general	4	27	2	34	3	0	4
Comm Salmon - net	3	13	1	31	22	0	31
Others less than 1% not shown			2				
Total Patrol Effort for all staff	619	2495	100	3219	650	683	3787

Graph #2. Summary of charges by fishery 2005 – 2008 to date.

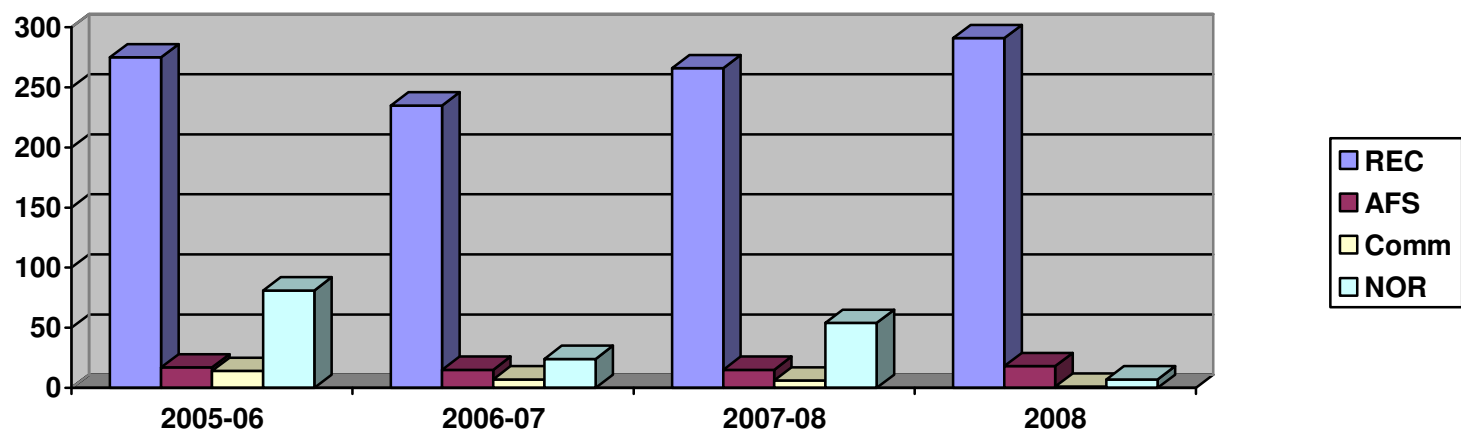
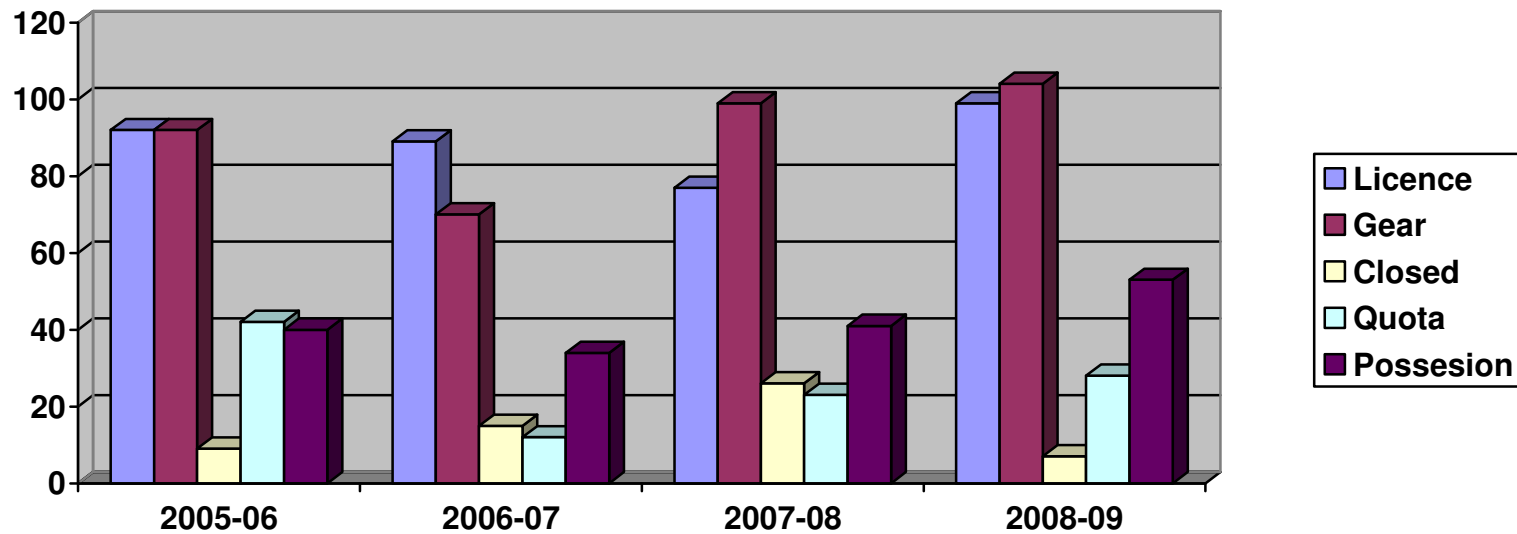


Table #3. Violation summary by fishery 2008 to date.

TERRACE VIOLATION SUMMARY 2008 to date

VIOLATION	COMMERCIAL	RECREATIONAL	ACFLR	NOR
LICENCE/REPORTING	1	99	11	7
ILLEGAL SPECIES SIZE		31		
CLOSED AREA TIME		7		
ILLEGAL GEAR		104	7	
ILLEGAL SALES		0		
LICENCE CONDITIONS		0		
EXCEED QUOTA		28		
FISH CANNOT BE IDENTIFIED		22		
TOTAL	1	291	18	7

Graph #3. Summary of recreational charges by type 2005-2008 to date



## SMITHERS DETACHMENT

### **Highlights:**

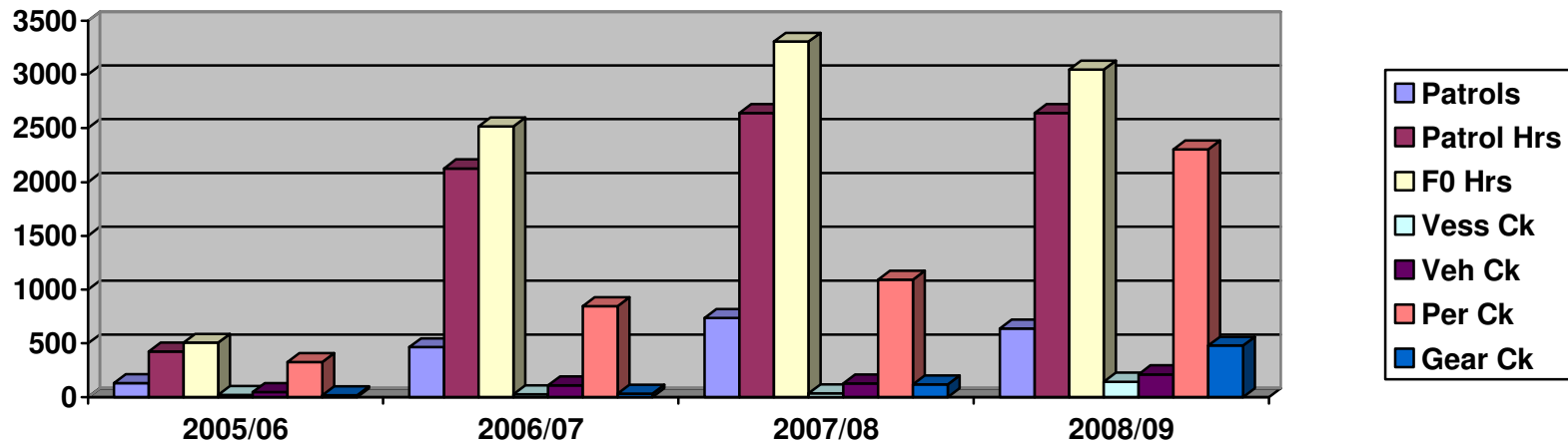
- Staff on light duties and parental leave and one Field Supervisor retired after 33 years of service.
- Efforts on small illegal sales issues received minimal effort however a large file was started that is currently ongoing.
- The Inland commercial fishery licences was timely and provide much more clarity this season. GWWA had a violation of by catch retention on the fishery and after consultation with DFO have sanctioned the fishing group by removing them from the 09 fishery.
- No major habitat occurrences for 2008.
- Illegal sales file fall in to the definition MCM.
- Reduced complement of one due to retirement.

**Smithers Detachment Statistical Summery - 2008**

**Table 1: Comparison Table of FEATS Data for 2005 -2007/8 – Smithers Detachment.**

Year	Patrols	Patrol hours	FO hours	Vessels Checked	Vehicles Checked	Persons Checked	Gear Checks
2008/09	656	2,116.5	2,408.5	143	211	2,303	479
2007/08	736	2642.5	3305.5	36	128	1091	119
2006/07	464	2127	2515.5	26	109	846	33
2005/06	130	423	505.5	20	46	324	18

**Chart #1 Smithers Detachment Feats Data 2005-2008 Comparison.**



**Table 2: 2008-09 Summary of patrol activity by work element (April 1-Nov1 2008)**

PATROL ACTIVITY PROFILE							
<b>WORK ELEMENTS</b>	<b>Num of Patrols</b>	<b>Patrol Hours</b>	<b>% of overall effort</b>	<b>FO hours</b>	<b>Vessel chks</b>	<b>Vhcl chks</b>	<b>Persons chks</b>
Rec Salmon (non Tidal)	213	821	39	921.5	79	101	1464
Aboriginal - Salmon	131	456.5	22	526.0	11	26	190
Habitat Forestry	39	120.25	6	130.75	0	0	8
Aboriginal Special Licence	46	225.5	11	279.5	23	47	372
Other- Unlicensed / Closed	63	144.25	7	173.25	9	9	55
Rec-Finfish(Non – Tidal)	54	117	6	123.5	19	15	169
Habitat-Rural/Urban Dev.	18	40.75	2	43.25	0	0	3
Habitat-Transportation	24	59.75	2	65.25	0	0	0
Other-Commercial Inspection	3	4.5	0	4.5	0	0	3
Habitat-Mining	9	28	1	33.5	0	0	6
Aboriginal - ESSR	12	39.5	2	44	0	0	0
Rec-Finfish (Tidal)	4	8.5	0	8.5	0	1	7
Rec-Salmon (Tidal)	6	19.5	1	25	0	6	8
Other-Retail Outlet Inspection	7	14	1	15	0	0	1
Other-Joint Forces Operations	8	13.75	1	14.25	2	5	6
Habitat-Agriculture	5	3	0	4	0	0	0
Habitat Recreational	5	5	0	5	0	0	4
Aboriginal-shellfish	1	2.0	0	2	0	0	0
Other-small craft safety	1	3	0	3	0	0	0
Habitat-Aquaculture	1	2.5	0	2.5	0	0	0
Rec- Halibut	3	2	0	2.5	0	1	3
Commercial Shellfish Prawn	1	1.5	0	1.5	0	0	2
Rec-Shellfish (Bivalve)	1	1.5	0	1.5	0	0	0
Rec-Shellfish (NON bivalve)	1	1.0	0	0	0	0	0
<b>Total Patrol Effort for all staff</b>	656	2116.5		2,408.5	143	211	2303

**Table 3: 2007-08 Summary of patrol activity by work element.**

PATROL ACTIVITY PROFILE							
<b>WORK ELEMENTS</b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	Persons chks
Rec Salmon (non Tidal)	124	521.25	20	728.75	21	59	602
Aboriginal Special License	19	76	3	117	2	7	85
Other/Unlicensed/Closed time/area	119	383	14	541	5	14	105
Rec-Salmon (Tidal)	17	62	2	67	0	33	87
Rec-Finfish (Non-Tidal)	61	147.25	6	173.75	0	3	72
Rec-Finfish (Tidal)	7	36	1	36.5	0	1	10
Aboriginal Salmon	76	216.75	8	281.25	1	1	33
Habitat Forestry	142	678.5	26	740	5	3	20
Habitat Transportation	66	213.75	8	225.25	2	1	1
Habitat Rural/Urban Dev.	27	103.75	4	114.75	0	0	2
Habitat-Agriculture	12	20	1	26.5	0	0	2
Habitat-Mining	7	14.75	1	23.5	0	0	5
Other Joint Forces OPs	12	37	1	45.5	0	5	21
Other-Commercial Inspection	15	55	2	91	0	0	36
Other-Protest (Aboriginal)	4	23	1	31	0	1	31
Others less than 1% not shown							
<b>Total Patrol Effort for all staff</b>	<b>723</b>	<b>2840</b>	<b>100</b>	<b>3510</b>	<b>609</b>	<b>517</b>	<b>2720</b>

**Table 4: 2008-09 Smithers Violation Summary by Fishery.**

VIOLATION	COMMERCIAL/INSPECTION	RECREATIONAL	ACFLR	INLAND COMMERCIAL	UNSPECIFIED
LICENCE/REPORTING	1	24			
CLOSED/AREA TIME		15			
ILLEGAL GEAR		8			
ILLEGAL BUY/SELL/POSSESS	1	3	1		
LICENCE CONDITIONS				1	
EXCEED DAILY QUOTA			1		
ILLEGAL POSSESSION/TRANSPORTATION					
SPECIES / SIZE LIMIT		1			
GEAR CONFLICT		5			
OTHER LEGISLATION REPORTING		1			1
TOTAL	2	57	2		1

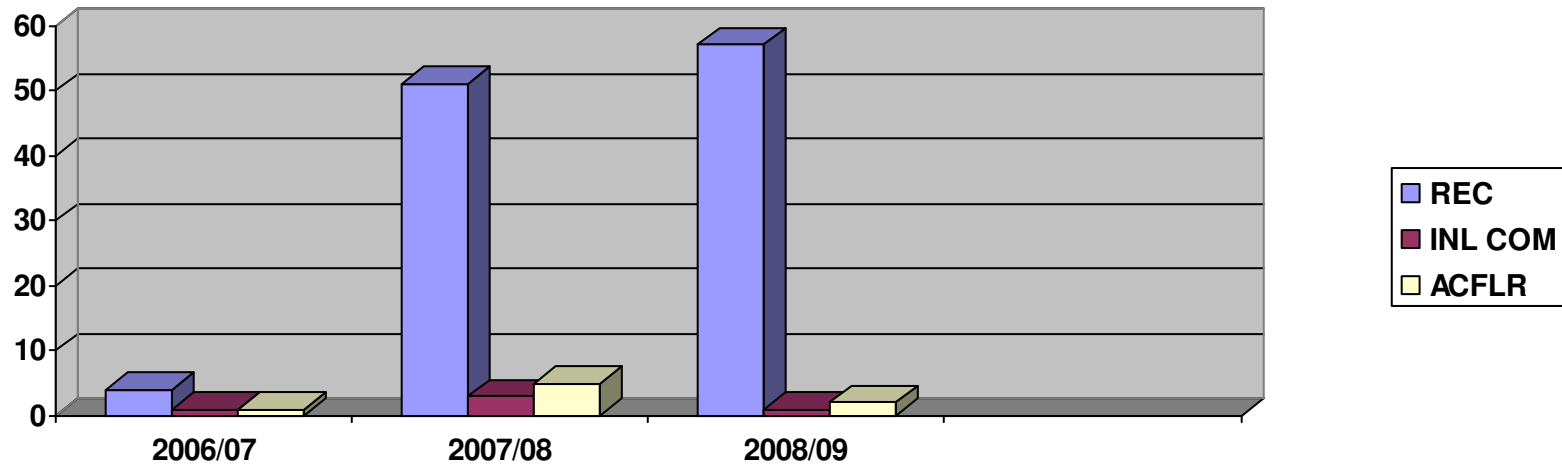
**Table 5: 2007-08 Smithers Violation Summary by Fishery.**

VIOLATION	COMMERCIAL	RECREATIONAL	ACFLR	INLAND COMMERCIAL	UNSPECIFIED
LICENCE/REPORTING		18		3	
CLOSED/AREA TIME		2			
ILLEGAL GEAR		22			
ILLEGAL BUY/SELL/POSSESS			5		
LICENCE CONDITIONS					
EXCEED DAILY QUOTA		5			
ILLEGAL POSSESSION/TRANSPORTATION		1			
SPECIES / SIZE LIMIT		1			
ASSULT OBSTURCT					1
OTHER LEGISLATION		2			
TOTAL		51	5	3	3

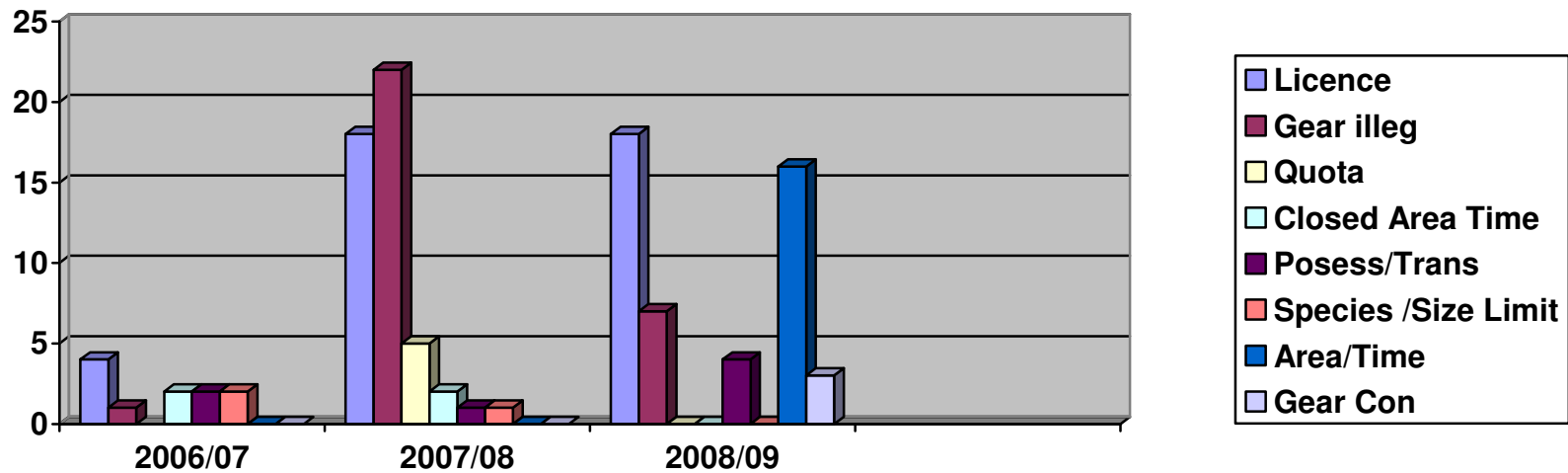
**Table 6: 2006-07 Smithers Violation Summary by Fishery.**

VIOLATION	COMMERCIAL	RECREATIONAL	ACFLR	INLAND COMMERCIAL	UNSPECIFIED
LICENCE/REPORTING		4		1	
ILLEGAL HARVEST U/S					
CLOSED/AREA TIME					
GEAR-ILLEGAL/USED		1			
ILLEGAL SALES			1		
LICENCE CONDITIONS					
EXCEED DAILY QUOTA					
ILLEGAL POSSESSION/TRANSPORTATION		2			
SPECIES / SIZE LIMIT		1			
TOTAL		8	1	1	

**Chart #2 Smithers Detachment Violations by Fishery 2006-08**



**Chart #2 Recreational Fishery Violations by Type Smithers Detachment 2006-09**



## Bella Coola Detachment:

- The Bella Coola Detachment area consists of areas 7-10 (Area 7 – Bella Bella; Area 8 – Bella Coola; Area 9 – Rivers Inlet; Area 10 – Smith Inlet). It encompasses that portion of the Central Coast of British Columbia from Cape Caution in the south to Kitasoo Bay in the north, 130 nautical miles. The marine and land base together covers an area of approximately 52,000 square kilometres.
- There are 180 enumerated streams, creeks and rivers in areas 7-10. Of those, 29 would be considered significant producers. Major systems would be the Roscoe and Kainet Rivers in area 7, Bella Coola, Atnarko, Dean, Kimsquit, Kwatna and Koeye Rivers in area 8, Chuckwalla, Kilbella, Wannock Rivers as well as the Oweekeno Lake sockeye rivers in area 9, and the Docee River sockeye and chinook system in area 10.
- There are 6 small communities in areas 7-10. They are Klemtu, Bella Bella, Bella Coola, Ocean Falls, Anaheim Lake and Oweekeno. The total resident population is approximately 5500 people.
- There are 6 First Nation Bands in areas 7-10. Kitasoo Band (pop. 300), Heiltsuk Band (pop. 1500), Nuxalk Band (pop. 1200), Ulkatcho Band (pop. 300), Oweekeno Band (pop. 100), and the Gwa'sala Nakwaxda'xw Band (pop. 300).
- There are 8 full time C&P staff in the Bella Coola Detachment. They consist of one PM-05 Detachment Supervisor in Bella Coola, a GT-05 Field Supervisor in both Bella Coola and Bella Bella, 2 GT-04 fishery officers in Bella Coola and 3 GT-04 fishery officers in Bella Bella. The Bella Coola Detachment also operates a seasonal office and facility in Dawson's Landing (Rivers Inlet – Area 9) throughout the summer months.

### **Highlights:**

- Due to staff deployments, the Bella Coola Detachment was short one and sometimes two fishery officers throughout this reporting period. Three fishery officers were also seconded to the Fraser River for three week periods each. This occurred from mid June to mid September. This action adversely impacted the Bella Coola operational field duty capabilities and operational capabilities.
- Dawson's Landing crews quarters operational from July 06/08 to September 2/08.
- Wannock and Chuckwalla/Kilbella River mouth closures in effect from June 1/08 to September 15/08. No VPT's issued for the Wannock River closure though fishing activity was significantly reduced this year to the apparent lack of abundance of Chinook salmon. Compliance remains good.
- Rivers Inlet downrigger closure in effect from June 1/08 to September 15/08. Compliance remains good.
- Barbed hooks still prevalent throughout the area but compliance is improving from recent years. Enforcement actions continue. Note: several obstruction investigations initiated this year from barbed hook violations and charges laid in one instance.
- Again this year, lower private fleet recreational effort throughout area. Possibly due to very high fuel costs as well as low abundance of Chinook and coho salmon.
- Rockfish closed area compliance was good this year.
- There was only a few minor licence violations in the commercial salmon seine and gillnet fisheries in areas 7 and 8 but fishing time was drastically reduced this year from previous years. Overall compliance was good during fishing opportunities.
- Compliance in 2008 by all user groups was generally good. Recreational non-lodge fishing effort was reduced as well as commercial salmon net fishing time. These two factors also reduced the amount of violation and occurrence statistics.
- For the summer months (June to September), 55% of fishery officer field time was devoted to tidal recreational fishing enforcement, 13% to shellfish enforcement, 4% to commercial salmon net, 8% to commercial prawn, and the remainder to a variety of SARA listed species, ground fish, habitat etc.
- Coho presence throughout the Central Coast area was down as well as the success in catching them.

- C&P adequately funded in 2008 but the high cost of fuel has reduced the number and duration of vessel patrols conducted.

**BELLA COOLA DETACHMENT C&P ENFORCEMENT SUMMARY**

PATROL ACTIVITY PROFILE

<b><u>WORK ELEMENTS April 1 to Nov 1/07</u></b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	persons chks
Rec Salmon (Tidal)	84	392	33	697	312	10	691
Rec Salmon (non Tidal)	44	223	19	285	9	46	242
Comm Salmon Net	34	148	12	219	117	0	91
Comm Shellfish (Prawn)	16	98	8	159	16	0	14
Rec Shellfish (Non-bivalve)	26	53	4	101	11	0	14
Rec Finfish Tidal	12	34	3	34	3	0	2
SARA Abalone	10	41	3	47	0	0	0
CSSP	15	34	3	68	0	0	0
Comm Herring SOK	4	22	2	35	0	0	0
SARA (Whale and Otter)	12	35	3	35	2	0	0
Comm Shellfish (Dive)	7	16	1	43	12	0	29
Habitat (All)	9	31	2	32	0	0	0
Aboriginal Fisheries	6	15	1	15	1	0	2
Misc Elements (6)	12	30	6	50	8	0	26
<b>Total Patrol Effort for all staff:</b>	291	1172	100%	1820	491	56	1111

PATROL ACTIVITY PROFILE

<b><u>WORK ELEMENTS April 1 to Nov 1/08</u></b>	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	persons chks
Rec Salmon (Tidal)	52	256	23	433	275	2	1040
Rec Salmon (Non-tidal)	56	281	25	478	14	25	269
Rec Finfish (Tidal)	25	93	10	177	33	6	65
Comm Shellfish (Prawn)	15	93	8	151	23	0	47
Rec Shellfish (Non-bivalve)	33	77	7	137	9	2	17
Comm Salmon Net	12	52	5	69	60	2	37
CSSP	7	29	3	69	0	0	0
Other – unlicensed /closed area/time	7	29	3	34	1	0	6
Rec Finfish (Non-tidal)	5	25	2	28	1	1	3
SARA Abalone	5	24	2	41	0	0	0
SARA (Whale)	6	19	2	23	5	0	4
Comm Shellfish (Dive)	3	16	2	27	7	0	19
Habitat (All)	8	35	3	66	0	0	0
Aboriginal Fisheries	14	38	3	78	0	0	0
Misc Elements (6)	11	25	2	43	5	0	9
Total Patrol Effort for all staff all activities	259	1092	100%	1854	433	38	1516

### **Data Summary**

#### Rec Salmon

- (non tidal and tidal) in 2007 accounts for 53% of overall work (128 patrols) with 615 dedicated hours. 2008 shows 48% (108 patrols) with 537 dedicated hours.

#### Commercial Salmon Net

- 2007 shows 34 patrols for 12 % of total effort with 117 vessels checked.
- 2008 shows 12 patrols for 5% of total effort with 60 vessels checked.

Commercial salmon net fishing has declined significantly since 2006 and even more so in 2008 compared to 2007. Resources and effort has been re-directed to other activities.

**Bella Coola NCA C&P Detachment Violation Summary 1999 to Nov. 1/08**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Files	134	242	236	170	153	68	123	151	102	106			
Charges	1	4	11	4	2	18	11	30	6	7			
VPT	20	52	57	15	9	14	20	35	28	22			
Warning	18	29	47	24	47	23	17	70	42	38			
Tot. Violate	39	85	115	43	58	55	48	140	76	67			

Comments re: 2008

Dawson's Landing violations (areas 9 and 10) are included in the Bella Bella and Bella Coola summaries.

## **PILLAR #1 Effort: Education/Partnering/Stewardship**

Education and shared stewardship (pillar one) consists of the suite of essential activities for promoting compliance through strategies such as education, promotional campaigns and engagement of stakeholders. The Bella Coola Detachment C&P staff have met these objectives by leading and participating in a variety of activities and community events with all stakeholders.

C&P staff continue to work with all First Nation Band's in areas 7-10:

- Bella Bella C&P staff continue to assist the Heiltsuk Band Fisheries co-management staff with their hatchery egg takes.
- Bella Bella C&P staff have participated with the Heiltsuk Band in SARA abalone, killer whale and sea otter open houses in Bella Bella and Shearwater.
- All C&P staff conduct joint enforcement patrols with First Nation Guardians.
- C&P staff continue and have used the Restorative Justice process to resolve local enforcement issues. One C&P officer was trained as facilitators for this process.
- Bella Coola C&P staff maintain a very good working relationship with the Nuxalk Band by continuing to meet with council members on a regular basis to discuss on-going issues and exchange information.
- Bella Bella C&P staff accompanied Heiltsuk Band youth members to the Dream Catchers conference in Edmonton Alberta. This was a very successful and productive effort by all who participated.

C&P staff have participated in many other activities and with a variety of stakeholders and public. Those activities are:

- Ocean Fest and the Coho Festival occur in the Bella Coola Valley. They are large annual community events with a large local turn-out. C&P has always attended with their high profile vehicle and vessel, to the enjoyment of the public. Their participation has been praised by the organizers.
- C&P assists the local predominately first nations youth group in Bella Coola during their canoe events in tidal waters. C&P assists by providing safety and rescue support on the water. This assistance is greatly appreciated by the local organizers.
- All C&P staff have contributed and participated in promoting C&P and DFO in the schools by attending career days in both Bella Coola and Bella Bella. A large DFO/C&P display was set-up by the Bella Bella Fishery Officers at the Heiltsuk Band School. All officers attended the display, answering questions and promoting DFO. Bella Coola officers have also attended open house career days in Bella Coola, again answering questions, promoting DFO and C&P as well as distributing small DFO mementos.
- C&P staff promoted and facilitated the CORE program in the Bella Coola schools. Much of this effort was on their own time and they have been well received in the classrooms. The officer delivering this program has since deployed out of the Bella Coola Detachment.
- C&P staff participate in all Remembrance Day activities in dress uniforms.
- C&P staff conducting SARA CCGV patrols have successfully promoted and delivered community education meetings, mostly in First Nation communities.
- C&P staff attend all local SFAB meetings as well as the area meetings held in Vancouver for the commercial salmon industry, commercial recreational industry (lodges, resorts, charter operators) and independent fishers. This is an excellent venue for an exchange of

information and valuable partnerships have been developed and continue to be maintained and grow.

- There are 20 recreational lodges and resorts in the Bella Coola Detachment area. An education and information program has been on-going for a number of years and recently updated and formalized. This program will continue. C&P maintains a very close working relationship with almost all the lodges. The lodge and resort association continues to partner with C&P to address any and all issues within our responsibilities.
- The Bella Coola Fishery Officers have developed an educational program which they will present to the elementary schools as well as the high school in the Bella Coola Valley. All age groups are targeted with an emphasis on fish identification and protection.

# North Coast 2008 Salmonid Enhancement Review

Joy Hillier, Acting North Coast Area Chief, Oceans Habitat & Enhancement

## AN OVERVIEW

Three main pillars support the Salmonid Enhancement Program (SEP) in the North Coast Area:

**Resource Restoration Unit** – The North Coast Area has a three-person specialist team comprised of a biologist, an engineer and an engineering technician. This team provides professional expertise for the design and construction of habitat improvement projects throughout the area, as well as supporting maintenance needs for CDP and PIP projects (see below). Much of the habitat improvement work completed by this unit is funded through partnership arrangements with community groups, corporations and government agencies.

**Community Involvement Program** – Four community advisors support seven Community Development (CDP) and 16 Public Involvement (PIP) projects scattered throughout the North Coast Area

The four Community Advisors are: Rob Dams located in Terrace; Brenda Donas in Smithers; Christina Engel in QCI/ Haida Gwaii; and Sandie MacLaurin in Bella Coola.

The seven CDP sites are: Fort Babine, Hartley Bay, Heiltsuk/ MacLoughlin Bay; Kincolith, Klemtu/ Kitasoo, Old Masset/ Yakoun, and Toboggan

PIP projects comprise a variety of activities intended to boost stewardship, including small hatcheries run by local volunteer groups and ‘Salmonids in the Classroom’ educational incubators. Not all PIPs are involved in hands-on production of salmonids.

**Enhancement Operations** – A total of 24 permanent staff (plus temporary seasonal staff) work at four major production facilities: The Babine Lake Development Project (BLDP) which is comprised of the Fulton and Pinkut Spawning Channel facilities; the Kitimat Hatchery, and the Snootli Hatchery.

In addition, the Pallant Hatchery – which used to be operated by DFO – is now run under a contract with the Haida Fisheries Program as a ‘Cost Recovery Pilot’ (and will be reported on separately by them)

The total numbers of juveniles released from all North Coast SEP projects are:

**Table A. Total Juvenile Releases from all North Coast SEP projects in 2008<sup>1</sup>**

Program	Chinook	Chum	Coho	Cutthroat	Pink	Sockeye	Steelhead
Public Involvement (14 sites)	12,544	16,300	132,742				
Community Development (7 sites)	331,053	2,032,085	392,141			130,412	
DFO Enhancement Operations (4 sites)	3,533,077	9,999,605	458,238	2,324	5,136	184,550,000	48,227
Haida Pallant Cost-recovery Pilot		22,830	504,000				
<b>Total</b>	<b>3,876,674</b>	<b>12,070,820</b>	<b>1,487,121</b>	<b>2,324</b>	<b>5,136</b>	<b>184,680,412</b>	<b>48,227</b>

Although many activities and the major facilities within SEP focus on fish production, a number of activities aim their energies on enhancing public attitudes towards the stewardship of our salmonids and their habitats. These activities include working with school children through the: Classroom Incubation Programs, the Stream to Sea Program, as well as working with community groups to foster their ability to conserve local salmon streams.

Additional information on the DFO-run major facilities is provided in the next sections.

<sup>1</sup> The Queen Charlotte Island Public Involvement Program numbers were not available at the time this report was being written.

## BABINE SPAWNING CHANNEL OPERATIONS

(Brad Thompson, BLDP Manager at Fulton; George Chandler, Asst Manager at Pinkut)

**Project Description** – The Babine Lake Development Project (BLDP) began in 1962 with the objective to boost sockeye production by releasing 100 million or more fry into underutilized rearing capacity in Babine Lake, theoretically boosting output by 30 million smolts and returns by 1.25 million adults, of which 1.0 million could be harvested. The project consists of three spawning channels, a mothballed hatchery, and associated river flow control works and spawner/fry counting fences on two tributaries to Babine Lake:

- **Fulton River Facility** – two spawning channels, the first being a smaller (10,000 m<sup>2</sup>) pilot channel (#1, which began operation in 1965) followed by the main (73,100 m<sup>2</sup>) production channel (#2, started in 1969 and completed in 1971).
- **Pinkut Creek Facility** – the spawning channel (33,400 m<sup>2</sup>) began operation in 1968. Starting in 1973, spawning capacity was augmented by airlifting surplus adults above a set of falls on Pinkut Creek (26,700 m<sup>2</sup> of natural spawning grounds).

**Production Overview** (see Table B and following charts for detailed statistics)

Spring 2008's total production of 184.6 million sockeye fry from the two BLDP sites once again exceeded the project's original 100 million fry target, with 110 million fry produced from the Fulton works, alone. Although 2008's fry production (brood year 2007) was greater than the previous year's total of 178 million, it remains lower than in previous years (263 million –brood year 2005, 260 million brood year 2004, 205 million, brood year 2003, and 251 million –brood year 2002).

This year there were no fears of running short on water as was the case during the 2006/07 incubation periods. Rather, high water wrecked havoc at the Pinkut facility which lost part of its fence and associated river banks when high waters released an upstream log jam and deposited it onto the fence. This may have affected juvenile counts slightly. This situation was rectified over the summer months and the fence was again operational in time for the adult return.

With regard to egg-fry survivals for the 2008, Fulton River was below the 15% target at 10%, and Channel #2 was below the 50% target at 34%; Channel #1 came in somewhat above the 15% river biostandard at 24%. Major channel renovation would be required to approach the 50% egg to fry survival biostandard for the channels. Pinkut egg-fry survivals were much higher this year at 77% compared to 54% last year. Pinkut Creek survival decreased from 15% to 6% (versus the respective 50% and 15% biostandard targets).

Fulton loading targets were not met for channel 1. This was due in part to late loading and other issues. Channel 2 loading was also challenging due to the slow movement of the sockeye into its upper reaches. However, loading in channel 2 and the river above the fence were again above the normal target to further test optimal loading densities (resultant egg deposition estimates in Channel 2 and Fulton River were slightly above 'optimal' normal target). Approximately 60,000 adults were estimated to have spawned below the Fulton counting fence, but accurate estimates for this area are difficult due to wave spawning.

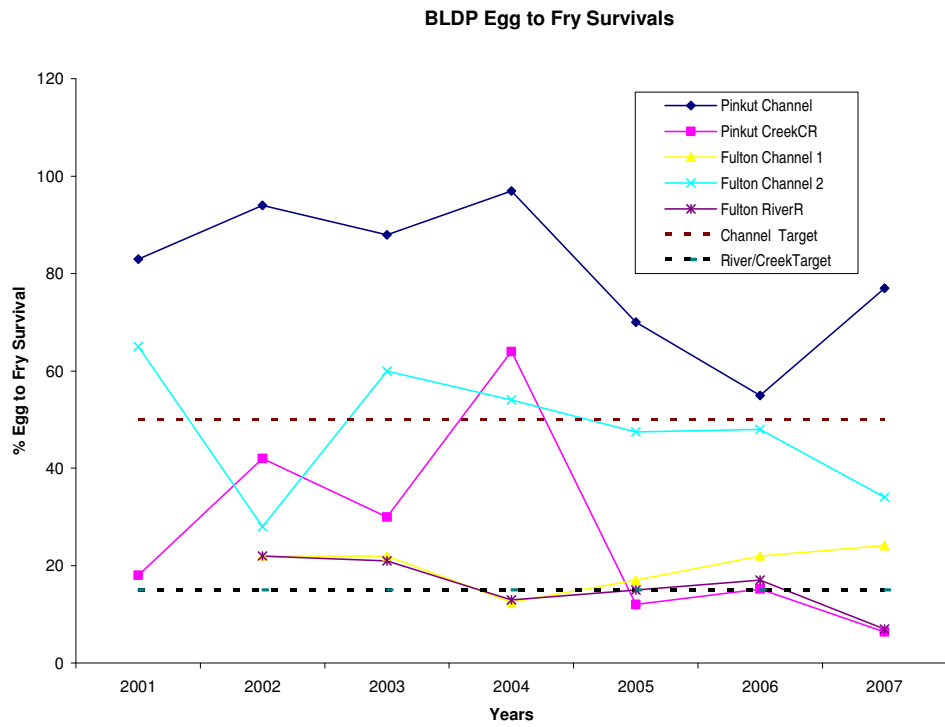
At Pinkut, the channel was slightly overloaded to 121% of target, and the creek above the fence met target. Resultant egg depositions for the channel and the creek were estimated at 84% and 66% respectively. Fish condition and spawning success at both Fulton and Pinkut appeared to be good by all indicators, PSM rates for the Fulton operation hovered below 2% while the Pinkut PSM was higher at over 4% in the channel and 8% in Pinkut Creek. Egg retention rates were comparable between the facilities.

Adults were large and healthy this year, and timings were considered normal. There were no major disease outbreaks this year, probably assisted by twice-normal flows and favourable temperatures, and thus neither channel required reloading in 2007.

Spawners again appeared to be predominantly Age 4 (with -at Fulton- an estimated incidence of 14 % age 5; compared to 23% Age 5 in 2007; 17% in 2006; 14% in 2005 and 5% in 2004). The overall incidence of jacks at Fulton was 2.5% this year as compared to 16% in 2007, 2% in 2006, 8% in 2005 and >1% in 2004. Incidence of jacks at Pinkut was 1% this year compared to 6% in 2007 and 2% in 2006.

Both sites have gone into the winter incubation period with satisfactory reservoir levels this year.

**Figure 1 Babine Lake Development Program Egg to Fry Survival Rates**



**Figure 2 Babine Lake Development Program Fry Output**

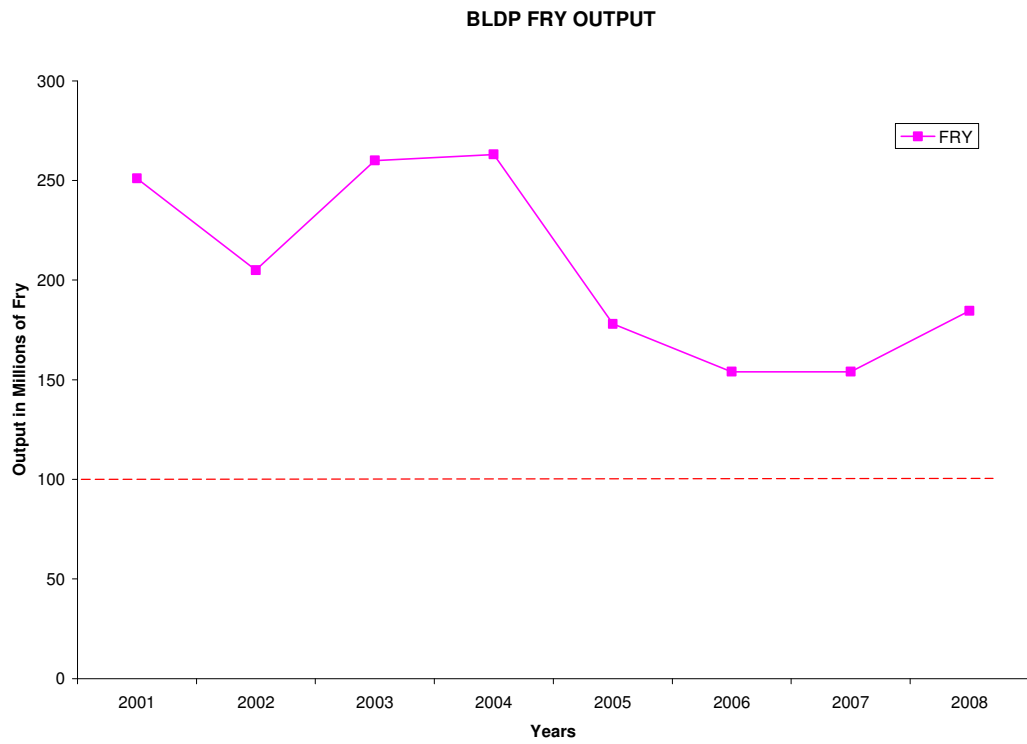


Table B. Babine Development Project Operations Report - 2008

B. Thompson & G. Chandler

Facility	Brood Yr	Stock/ Location	Target*	Lifestage	Achieved	Lifestage	% of Target	Comments
		(sockeye)						(PSM = Pre-Spawning Mortality of females)
Fulton	2006	Channel #1	15,000,000	fry	4,800,000	fry	32%	22% E-F survival achieved, vs 15/50% targets
		Channel #2	87,000,000	fry	68,700,000	fry	79%	48% E-F survival achieved, vs 50% target
		Fulton R above fence	45,000,000	fry	31,700,000	fry	70%	9% E-F survival achieved, vs 15% target
	2007	Channel #1	20,000	spawners	19,118	spawners	96%	53% female, 11% jacks, 23% Age 5
Channel #2		116,000	spawners	122,783	spawners	106%	52% female, 31% jacks, 24% Age 5	
Fulton R above fence		200,000	spawners	300,970	spawners	150%	52% female, 10% jacks, 23% Age 5	
Fulton R below fence		45,000	spawners	100,000	spawners	222%	ESTIMATE (no sex, jacks or size/age samples)	
		Channel #1	30,000,000	eggs	27,170,000	eggs	91%	3267 eggs/F, 8% PSM and 11% egg retention
Channel #2		174,000,000	eggs	184,730,000	eggs	106%	3226 eggs/F, 8% PSM and 2% egg retention	
Fulton River		300,000,000	eggs	414,523,000	eggs	138%	3364 eggs/F, 12% PSM and 10% egg retention	
	2008	Channel #1	20,000	spawners	9,300	spawners	47%	54% female, 46% male 2% jacks - Age 4-86%; 5-14%
Channel #2		116,000	spawners	119,000	spawners	103%	54% female, 46% male 3% jacks; age 4-67%; 5-33%	
Fulton R above fence		200,000	spawners	233,300	spawners	117%		
Fulton R below fence		45,000	spawners	60,000	spawners	133%	ESTIMATE (no sex, jacks or size/age samples)	

		Channel #1	30,000,000	eggs	11,249,100	eggs	37%	2329 eggs/F, 0% PSM***, 8% egg retention	
		Channel #2	174,000,000	eggs	157,390,300	eggs	90%	2591 eggs/F, 1.6% PSM, 3% egg retention	
		Fulton River	300,000,000	eggs	300,799,000	eggs	100%	2394 eggs/F, 1.0% PSM, 6% egg retention	
<b>Pinkut</b>	2006	Channel Upper Pinkut Cr (airlift)	43,500,000	fry	39,200,000	fry	90%	54.5% Egg-Fry (E-F) survival, vs 50% target	
		Pinkut Cr above fence	9,000,000	fry	n/a	fry	n/a	combined with lower creek count on next line	
		Pinkut Cr below fence	5,700,000	fry	9,300,000	fry	63%	15% E-F survival, vs 15% target	
	2007	Channel Upper Pinkut Cr (airlift)	58,000	spawners	59,700	spawners	103%	53% female, 6% jacks, Age 5 % u/k	
		Pinkut Cr above fence	40,000	spawners	40,200	spawners	100%	statistics per channel (see line above)	
		Pinkut Cr below fence	25,000	spawners	34,000	spawners	136%	statistics per channel (see line above)	
			5,000	spawners	45,000	spawners	900%	statistics per channel (see line above)	
			Channel Upper Pinkut Cr (airlift)	87,000,000	eggs	92,500,000	eggs	106%	EST 3291 eggs/F, 4.5% PSM, 7.3% egg retention
			Pinkut Cr above fence	60,000,000	eggs	67,300,000	eggs	112%	EST 3291 eggs/F, 1% PSM, 3% egg retention
			Pinkut Cr below fence	38,000,000	eggs	37,200,000	eggs	98%	EST 3291 eggs/F, 15% PSM, 27% egg retention
			7,500,000	eggs	u/k	eggs		EST 3291 eggs/F**, PSm u/k	
	2008	Channel Pinkut Cr	58,000	spawners	70,335	spawners	121%	42%female, 58% male, 1% jacks; Age % unknown	
				spawners	25,000	spawners	100%	42% female, 58% male,	

above fence Pinkut Cr	25,000					
below fence	5,000	spawners	65,000	spawners	1300%	42% female, 58% male
Channel Pinkut Cr	87,000,000	eggs	73,499,265	eggs	84%	2583 eggs/female; PSM 4.5%, 2% egg retention
above fence Pinkut Cr	38,000,000	eggs	25,082,144	eggs	66%	2572 eggs/female PSM 8%; 12% egg retention
below fence	7,500,000	eggs	u/k	eggs	u/k	

NOTES:

- \* Original target of Babine Development Project was to release 100M sockeye fry to Babine Lake (vs 113M/154M channel/total fry produced by BLDP in 2007); targets provided here were adjusted in 2001 to reflect most current information available
- \*\* Egg production below Pinkut fence normally estimated from max of 2,500 females due to wave spawning; no actual fry output data available
- \*\*\* No prespawn mortalities were found in the retention samples, however 49 were found earlier during a dead pitch. This number is used for egg deposition

## KITIMAT HATCHERY OPERATIONS 2007 REVIEW (Martin Forbes, Manager)

**Project Description** – Preceded by a pilot hatchery in 1977, this facility was built in 1983 to enhance several rivers and streams in the Kitimat system, as well as three rivers in Kitimat Arm. Original plans included seven chinook stocks (total of 3 million eggs), nine chum stocks (total of 11 million eggs), four coho stocks (total of 600,000 eggs), one steelhead stock (55,000 eggs) and one cutthroat stock (15,000 eggs). Numbers of both stocks and eggs have been reduced over the years for logistical and budgetary reasons, and the facility now handles two stocks of chinook (1.95 million eggs), two stocks of chum (5 million eggs), one stock of coho (500,000 eggs), one stock of steelhead (60,000 eggs) and one stock of cutthroat (10,000 eggs). The facility has a unique system of both groundwater and river water supplies, including heated river water from the Eurocan Pulp mill.

**Production Overview** - Total juvenile releases and eggs taken in 2007 were:

Species	Total Juveniles Released in 2008	Total Eggs Taken in 2008
Chinook	1,442,000 0+ smolts	1,632,000 eggs
Chum	3,281,000 0+ fed fry	1,468,693 eggs
Coho	412,000 1+ smolts	668,100 eggs (est)
Cutthroat	2,557 1+ smolts	0 eggs
Steelhead	40,000 1+ smolts	76,000 eggs

(Additional production details are provided in Table C and attached chart)

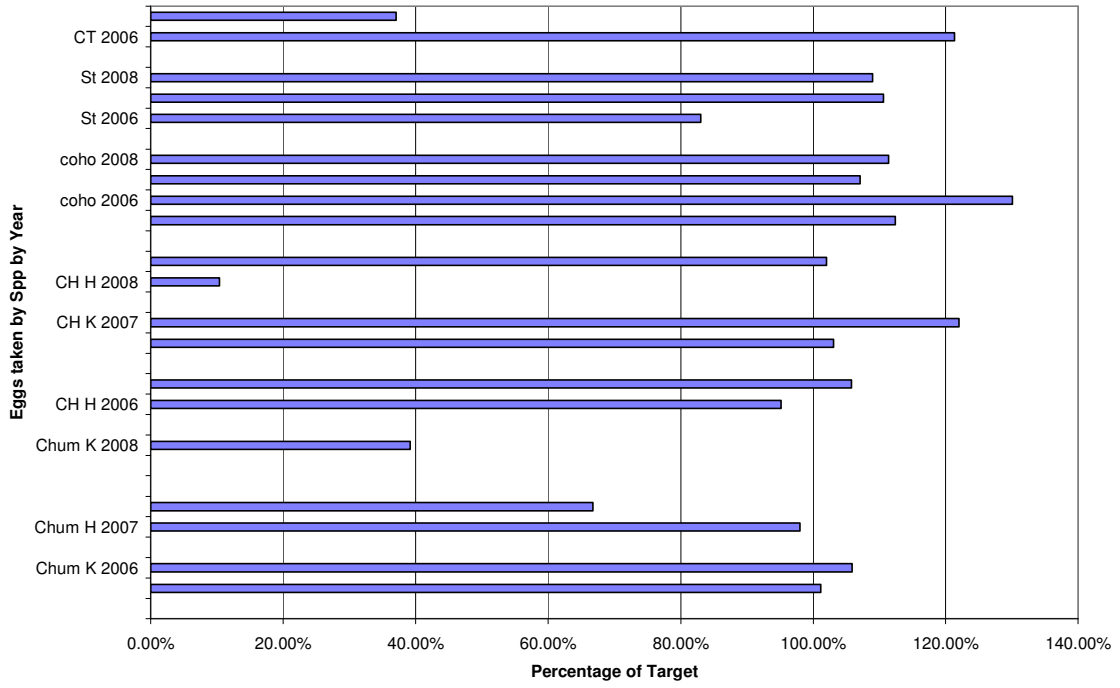
Enhanced stocks were transported by tank truck to various locations throughout the Kitimat watershed, and released. River conditions were considered normal during the releases.

The 2007 Brood coho and 2008 Brood chinook were not marked (chums have not been marked since the 2001 Brood). Steelhead were marked thanks to the efforts of volunteers from the Mount Elizabeth Secondary School.

2008 chum returns, like those of 2007 were very poor coast-wide, the operation only managed to achieve 39% of its egg take target. The 2008 Chinook brood production target for the Kitimat River was met, but those for Hirsch Creek fell short, which was dominated by 4-year-olds (from the 2003 Brood year). The coho egg target was exceeded this year.

Based on anecdotal observations of Kitimat Hatchery staff, pink returns appeared to be normal. Due to the extremely low return of chum to Area 6-1, the 2008 commercial net fishery was also disappointing.

### Kitimat Hatchery Performance



KITIMAT HATCHERY - OPERATIONS REPORT 2008

Mark Westcott

SPECIES	Brood		EGGS				JUVENILES			RELEASES				
	Year	Stock	Target	Taken	% of target achieved	On Hand	Ponded	On Hand	Release Target	Unfed Fry	Fed Fry	Smolts	% target achieved	
	<b>CHUM</b>													
	2006	Hirsch	1,100,000	1,112,568	101%	0	1,045,247	0	1,000,000		1,025,503		103%	
		Kitimat	4,100,000	4,340,455	106%	0	3,673,261	0	4,000,000		3,597,007		90%	
	2007	Hirsch	1,100,000	1,078,074	98%	0	1,001,329	0	1,000,000		990,066		99%	
		Kitimat	4,100,000	2,736,092	67%	0	2,422,374	0	4,000,000		2,390,534		60%	
	2008	Hirsch	Hirsch Chum program rolled into Kitimat Chum program											
		Kitimat	4,100,000	1,605,970	39%	1,468,693			4,000,000					
<b>CHINOOK</b>														
	2006	Hirsch	250,000	237,889	95%	0	207,351	0	225,000			205,295	91%	
		Kitimat	1,600,000	1,692,430	106%	0	1,458,123	0	1,500,000			1,442,491	96%	
	2007	Hirsch	250,000	257,666	103%	0	220,673	0	225,000			219,320	97%	
		Kitimat	1,600,000	1,952,232	122%	0	1,518,746	0	1,500,000			1,508,301	101%	
	2008	Hirsch	250,000	25,866	10%	24,210			225,000					
		Kitimat	1,600,000	1,632,287	102%	1,535,424			1,500,000					
<b>COHO</b>														
	2005	Kitimat	600,000	674,349	112%	0	481,881	0	500,000			412,023	82%	
	2006	Kitimat	600,000	780,558	130%	0	507,105	0	500,000			458,238	92%	
	2007	Kitimat	600,000	642,367	107%	0	444,230	415,450	500,000					
	2008	Kitimat	600,000	668,100	111%	668,100								
<b>STEEL-HEAD</b>														
	2006	Kitimat	70,000	58,097	83%	0	41,150	0	50,000			39,684	79%	
	2007	Kitimat	70,000	77,444	111%	0	51,166	0	50,000			48,277	97%	

	2008	Kitimat	70,000	76,264	109%	0	59,887	58,760	50,000		
<b>CUT- THROAT</b>	2006	Kitimat	15,000	18,200	121%	0	13,803	0	10,000	13,126	131%
	2007	Kitimat	15,000	5,557	37%	0	2,557	0	10,000	2,324	23%
	2008	N/A									

## SNOOTLI HATCHERY OPERATIONS 2007 REVIEW (Russ Hilland, Manager)

**Project Description** – The Snootli Creek Facility was built in 1978 with an initial capacity of 10 million eggs, and was designed to increase annual adult chum salmon returns to the Bella Coola River and tributaries by 160,000 fish. Over the past 22 years, capacity has increased to 12.5 million eggs (8 million chum, 3 million chinook, 0.5 million coho and 1 million sockeye). Snootli Creek Hatchery is a “satelliting” facility, capable of culturing several stocks in segregation for return to their natal streams. Sockeye are handled using strict quarantine procedures, and in an entirely separate facility on the site.

The 1999-2005 Broods of Rivers Inlet/Smith Inlet sockeye were enhanced as part of the Rivers/Smith Sockeye Recovery Plan to rebuild these stocks to self-sustaining levels. Starting with the 2005 Brood, Atnarko River sockeye were cultured in partnership with the Nuxalk First Nation. Williams Creek sockeye (a Lakelse Lake tributary) have been cultured in support of the Lakelse Lake Sockeye Recovery Plan since the 2006 Brood.

Snootli facility staff also operate chinook/coho rearing channels and a pink salmon spawning channel on the Atnarko River in Tweedsmuir Provincial Park. Production from the pink spawning channel is intended to buffer wild spawn losses due to freshet events.

Chinook and coho are enhanced to arrest declines associated with exploitation in non-target (mixed stock) fisheries. Chum were originally enhanced to offset incidental exploitation in the Fisher Channel – Fitzhugh Sound seine fishery on Atnarko pinks. Their enhancement continues in support of harvest in the Bella Coola Gillnet Area, and to mitigate for spawning habitat losses in the Lower Bella Coola River and its tributaries.

### **Production Overview** – Total juvenile releases and eggs taken in 2008 were:

Species	Total Juveniles Released in 2008	Total Eggs Taken in 2008
Chinook	1,865,266 (398,658 on hand)	2,407,209
Chum	7,100,200	7,969,266
Coho	76,323 (on hand)	47,600(in progress)
Sockeye	399,947 <sup>2</sup>	503,000
Pinks	No information available	unknown

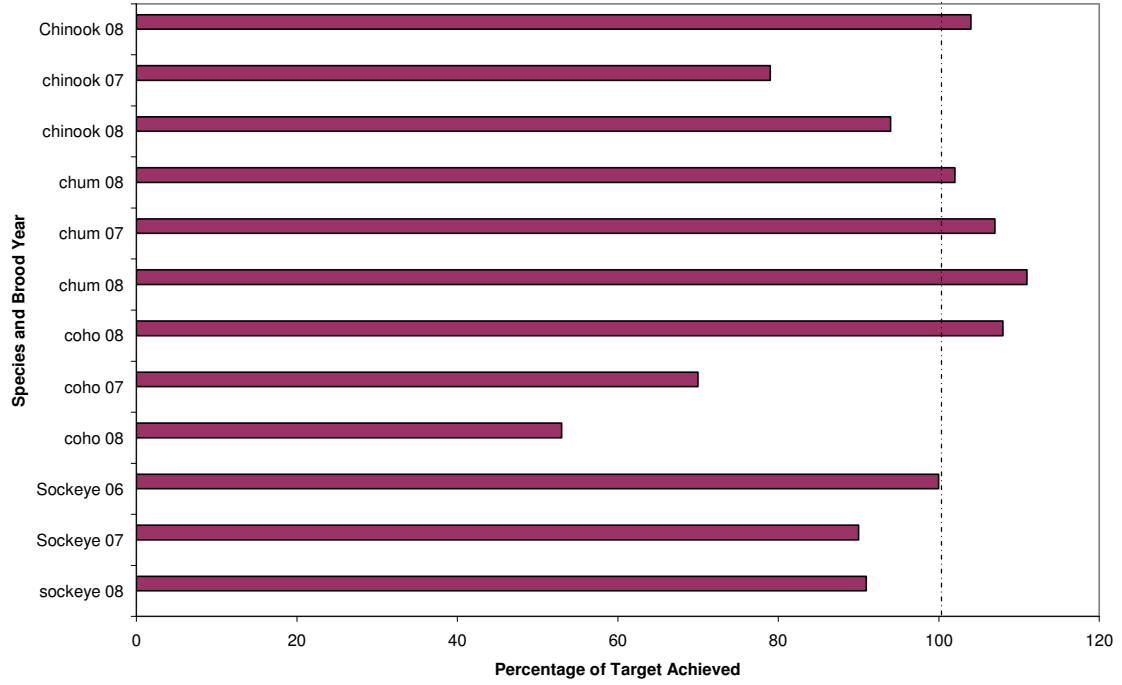
(Additional production details are provided in Table D and attached chart)

Survivals for all enhanced stocks were within normal ranges. Chum fin-clipping and coded-wire-tagging of chinook and coho resumed for the 2006 Brood. Enhanced chum from Snootli Creek Hatchery contributed to a 6 -8 week commercial fishery in the Bella Coola Gillnet Area in 2007. Chum returns were reported as the lowest escapement in 25 years. Overall targets for the Bella Coola area were met. Johnston coho brood stock collection is ongoing with approximately 50% of the target being met.

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<sup>2</sup> 128,811 (Atnarko) 266, 000 (Lakelse Recovery Plan), 5136 (Hanging Lakes Project)

### Snootli Hatchery Production Performance



## Snootli Creek Enhancement Facility Operations Report - 2008

Species	Br.Yr	Stock	Egg Target	Achieved	Life Stage	% Target Achieved	Comments
<b>Chinook</b>	2008						<b>Avg Snootli CN smolt-adult survival = .75%*</b>
		Upper Atnarko	1,000,000	769,313	0+ smolts	77%	Lowest escapement in 25 years
		Lower Atnarko	1,000,000	1,310,865	0+ smolts	131%	250,000 for PSC yearling program
		Noosgulch	50,000	-	0+ smolts	0%	No spawners
		Nusatsum	100,000	-	0+ smolts	0%	Very low # of spawners
		Saloompt	100,000	12,189	0+ smolts	12%	Very low # of spawners
		Wannock	300,000	314,842	0+ smolts	105%	
			2,550,000	2,407,209		94%	
<b>Chinook</b>	2007	Upper Atnarko	200,000	199,631	1+ smolts	100%	On hand, release May 2009
		Lower Atnarko	200,000	199,027	1+ smolts	100%	On hand, release May 2009
			400,000	398,658		100%	
<b>Chum</b>	2008	Airport	1,800,000	2,018,849	fed fry	112%	<b>Avg Snootli CM smolt-adult survival = 2%*</b> Lowest escapement in 25 years
		Saloompt	1,800,000	1,998,129	fed fry	111%	Lowest escapement in 25 years
		Snootli	1,800,000	1,938,054	fed fry	108%	Lowest escapement in 25 years
		Thorsen	1,800,000	2,014,234	fed fry	112%	Lowest escapement in 25 years
			7,200,000	7,969,266		111%	<b>Avg Snootli CO smolt-adult survival = 6%*</b>
<b>Coho</b>	2008	Saloompt	30,000		1+ smolts		Egg take in progress. 4 females and 8 males holding
		Snootli	30,000	35,000	1+ smolts	117%	
		Johnston	30,000	12,600	1+ smolts	42%	Egg take in progress. 4 females and 8 males holding
			90,000	47,600		53%	
<b>Coho</b>	2007	Saloompt	30,000	26,998	1+ smolts	90%	On hand, release May 2009

	Bella Coola	30,000	33,064	1+ smolts	110%	On hand, release May 2009
	Johnston	30,000	16,261	1+ smolts	54%	On hand, release May 2009
		90,000	76,323		0%	
<b>Sockeye</b>	2008					<b>Avg Snootli SO smolt-adult survival = .7%*</b>
	Williams	300,000	328,109	fed fry	109%	Released April/May 2009.
	Curtis	300,000	297,490	fed fry	99%	Released April/May 2009.
	Lonesome	100,000	52,500	fed fry	53%	Released April/May 2009.
	Atnarko	100,000	53,792	fed fry	54%	Released April/May 2009.
		800,000	<b>731,891</b>		91%	

## **2008 Salmon Licence Area F**

### **Summary of Harvest Management Performance**

The 2008 Salmon License Area F Harvest Management performance was guided by a number of harvest objectives respecting conservation of Chinook and coho stocks originating from B.C. rivers and streams. The two main conservation issues identified within the Integrated Harvest Management Plan (IHMP) are related to Chinook stocks originating from the West Coast of Vancouver Island (WCVI) and to coho stocks originating from three northern areas, notably, the Upper Skeena River, Queen Charlotte Islands (QCI) and portions of the Central Coast.

As in 2007, there was a continuation of the Chinook Demonstration ITQ harvest management fishery involving all but 1 license holder (283) as this license holder did not renew the Vessel license in 2008.

Chinook in Northern BC (NBC) are managed pursuant to the Pacific Salmon Treaty (PST) and allocations are administered through this process. The 2008 Aggregate Abundance Based Model (AABM) total allowable catch (TAC) for NBC was 124,800 Chinook. This allocation provided 60,000 Chinook for Recreational harvesters and 64,800 Chinook for the Salmon License Area F harvesters. Under the ITQ regime this translated to 228 Chinook per vessel.

The Salmon License Area F Harvest Committee (AFHC) reached consensus on implementing a catch ceiling for each license holder so as to not exceed 1,500 Chinook. This guideline was undertaken due to stockpiling of quotas by non-license holders in previous fisheries whereby a non-license holder had the ability to stockpile quota onto licensed vessels and use it as a conveyance to sell Chinook. Once the license holder had achieved the catch ceiling they would be eligible to acquire additional quota as required.

The AFHC also expressed concerns over the inability to conduct test fisheries to determine WCVI prevalence as in past years as a result of a court decision. Accordingly, sampling was undertaken from ice vessels obtained during offloading at fish landing stations and also DNA samples were obtained At-Sea. There was also a general consensus to delay the start of the Chinook fishery and to restrict the open areas so as to reduce the risk of encountering high WCVI percentages.

In consideration of these concerns, the 2008 Chinook harvest boundary in Area 2W was limited to North of Hippa Island. An adjustment to this southern boundary was implemented on August 30th to allow for the harvest of Chinook north of Buck Point due to the reduced DNA sample results observed in the latter part of June and early July.

The ITQ Chinook fishery opened on June 20th and initial sampling revealed a relatively low WCVI DNA % at 4.4% from the lower than average Chinook CPUEs in previous years.

Given this lowered percentage, the fishery remained open until August 8th from the originally scheduled closure of July 31. A review of DNA samples affirmed the previous low DNA prevalence and the Chinook fishery was allowed to restart on August 28th.

The total catch on the ITQ fishery was 52,147 Chinook against the 64.8K TAC.

The A-B Line directed pink fishery opened on July 1 with the allowance to harvest all salmon species except chum salmon (Chinook if vessel had TAC available) in the same locations as in previous years. In 2007, there was the allowance for Chum by-catch in Area 101 with a complete closure for the 2008 season. Catch and effort was very modest given the majority of the fleet continued to focus on Chinook harvest.

The directed coho fishery opened on July 25th with some adjustment of harvest areas in Area 104 and portions of Area 6 in the Central Coast. The fleet tended to concentrate in those locations as has been observed in previous years with initial good catches in some portions of Areas 101, 104 and 6.

Effort levels were fairly consistent but appeared to be more randomly distributed and less concentrated than in previous years. The peak gear count observed during the first week of the directed coho opening noted an average of 104 vessels operating with a peak gear count of 114 vessels observed during the first 3 days of the week ending July 28.

A total of 94,820 coho were harvested in Area F with the majority (77%) coming from Areas 1 and 101. Area 6 provided a harvest comprising 16.7 % of the total catch.

A total of 611 sockeye and 37,335 pink (67 chum reported) were also taken in the northern troll fishery which concluded as in previous years on September 30.

## Highlights of the 2008 North Coast Troll Fishery

### Final Catch Estimates to September 30:

**Sockeye – 611**  
**Coho – 94,820**  
**Pink – 37,335**  
**Chum – Closed (67 reported)**  
**Chinook – 52,147**

### April 30

Salmon returns expected in 2008 will require continued efforts to achieve conservation objectives, particularly for Upper Skeena coho and WCVI Chinook salmon. Northern troll fisheries will be limited in area, time and duration based on the exploitation rates exerted towards these stocks of concern. Special attention will be made to the QCI and Central Coast coho stocks in 2008. Area reselection has seen the Area F fleet maintained at 284 licenses.

Catch monitoring and sampling is integral in the management of the fishery for the 2008 salmon season. Two poor successive recruitment years has led to a reduction in the AABM Abundance Index. This has seen the reduction of Chinook TAC in NBC from 178,000 to 64,800. This will see a reduction in the Chinook ITQ from 480 in 2007 to 228 in 2008. This has led the AFHC to recommend the capping of the allowable ITQ at 1,500 Chinook. Once a vessel achieves this ceiling they would then be eligible to obtain further Chinook allocation. Stock rebuilding initiatives in recent years has allowed for some flexibility in time and areas of harvest for both a by-catch coho fishery and with a directed coho fishery in mixed stock locations.

Rockfish Conservation Areas will remain in effect throughout the North Coast. Two of which have been implemented at Frederick Island (Pts. 1-1, 101-1 and 142-2) and South Moresby Island (2-31 to 2-37) closed to trolling until further notice. The Ribbon boundary from Langara Island along the north shore of Graham Island to Skonun Point will remain in effect. Several Rockfish Conservation Areas will also be in effect along the Central Coast.

**The Chinook fishery will be driven by the requirement to not exceed the WCVI ocean exploitation rate of 10%. The quarterly harvest regime will be amended and guided to not exceed the allowable WCVI Chinook TAC (3,254 morts) during any fishery.**

**Harvest may be impeded due to the requirement to meet various management objectives involving restricted timing and areas of harvest.**

**Coho harvest is guided by a 10% domestic exploitation rate on upper Skeena and Area 6 coho. Additional conservation requirements are necessary for QCI coho stocks which could see adjustments to both fishing times and areas.**

### May 4

Area F Harvest Committee (AFHC) met to review 2008 North Coast IFMP and specifically Chinook fisheries – ITQ Demonstration and Traditional and Coho harvest. AFHC agreed to continue with the Demonstration for 2008. The AFHC also felt that the Coho fishery should remain in the traditional style of harvest for this year given the large increase in vessel licenses in Salmon Area F.

### **May 4/5**

Demonstration ITQ mail out package sent out to all Salmon Licence Area F harvesters. Given the relative small number of participants on past Traditional fisheries, all vessels will be participating on the ITQ Demonstration fishery in 2008.

### **May 9**

JOT will continue with dockside monitoring and validation with AMR handling the phone-in hails as in previous years. AMR will continue to administrate the vessel hail-in/out and phone-in provisions for the FOS/logbook in 2008 in addition to Ground fish validation.

### **May 28**

License issuance commenced for the 2008 Salmon season emphasizing the requirement to complete all License conditions from the previous year. Along with these requirements was the requirement for 40% of the Area F fleet randomly selected to participate in Weekly head/snout retention of Chinook and coho to conform to Mark Recovery Program requirements.

### **June 20**

Effective 0001 hours Friday, June 20 portions of Areas 1, 101, and 142 will open for Chinook and pink until further notice. Rockfish Conservation Areas in Area 2W remain in effect. Ribbon Boundary in effect from Langara Island to Skonun Pt. Area 2W remains from below Hippa Island to Cape St. James due to inability to sample areas due to Larocque Decision and "high risk" consideration by NHQ to test fishery.

### **July 1**

Effective 0001 hours Tuesday, July 1, Subareas 101- 4, 101-5, 101-8, 101-9 and that portion of Subarea 101-3 north of 54 degrees 24 minutes North open to trolling for Sockeye (East of 133 degrees longitude), Pink and Chinook salmon until further notice.

### **July 14**

DNA results from Areas 1 and 101 received from Troll landings on Chinook salmon caught from June 20 to 24 indicated 52.6% South Thompson followed by Upper Columbia at 13.1% and North and Central Oregon at 8.2%. Skeena Chinook comprised 3.1% of the sample with WCVI stocks at 1% of the samples.

DNA results from Area 101 received with proportion of WCVI at 2.8% for the period June 25 to June 30 mirrored the previous sample with 55.6% South Thompson, Columbia Summer/Fall at 8.4% and North and Central Oregon at 8.2%. Skeena Chinook comprised 5.4% with no Nass Chinook identified. The WCVI comprised 3% of the sample.

DNA results from a third sample collected at sea from July 1 showed some shifting of prevalence of US stocks with a slight increase in WCVI at 4.4%.

### **July 25**

Effective at 0001 hours, Friday, July 25 and until further notice, Subareas 101-1 to 101-3, 101-5 to 101-10, portions of Areas 1-2, 1-3, 1-5, 1-7, 104-1, 104-4 and 104-5 inclusive open to trolling for sockeye, coho, and pink salmon until further notice. Chum retention is prohibited in all harvest areas in 2008.

Areas/Subareas and Portions of 102, 6-9 to 6-11, 6-13, 6-17, 106, 7-1, 7-2, 7-31, 105 to 110 open for coho and pink salmon until further notice.

**The coho fishery opened with some boundary adjustments in Management Area 104 and the Central coast. The ribbon boundaries were retained for this fishery as well. The fishery will close if the exploitation rate meets or exceeds the amount exerted in 2004. All Rockfish Conservation Areas located in the North and Central coasts remain closed. Cumshewa Inlet will open when and as stock assessment indicates surpluses available.**

**Coho closed inside the surfline in Areas 2E and 2W due to local and migrating stock concerns. Area 3 remained closed for the 2008 salmon season due to poor returns.**

**Sockeye retention permitted in those waters east of 133 degrees longitude in Dixon Entrance. Non-retention and non-possession of Chinook, sockeye and chum in those areas outside of currently opened areas in Hecate Strait, Area 2E, Central Coast and Queen Charlotte Sound.**

### **August 1**

The results of recent DNA sampling indicate that the WCVI component is low ranging from 0.8% to 4.4%. The previously specified closure of July 31<sup>st</sup> has been amended to 2359 hours August 8. Mandatory offloading of all Chinook will be required upon the closure. Current catch estimates indicate that approximately half of the Chinook TAC has been harvested.

### **August 8**

Effective at 2359 hours all currently opened areas will close to the retention and possession of Chinook salmon until further notice.

### **August 21**

Analysis of catch and the WCVI component of the fishery from June 20 to August

8 indicated a total catch estimate of 1,601 Chinook against the WCVI TAC of 3,254 Chinook. Given this information the Chinook fishery will restart effective at 0001 hours August 28 until further notice with an expansion of area in 2W to just north of Hippa Island (53 degrees 33 minutes North).

### **August 30**

Additional harvest areas including S/As 2-68, 2-69, 2-78, 2-79, 2-86 and that portion of S/A 142-2 north of 53 degrees 5 minutes 48 seconds (north of Buck Point) will open at 12:01 hours August 30, 2008 until further notice for Chinook, Pink and Coho salmon.

### **September 2**

Central coast and Area 2 (QCIEast) coho returns have been very low in comparison to previous years. As a result all previously opened areas in the Central Coast will close to harvesting coho effective at 2359 hours September 5, 2008 for the balance of the season.

### **September 18**

Effective at 0001 hours the previously closed Ribbon Boundary Areas in Areas 1 and 101 are hereby rescinded for the balance of the fishery. Additionally S/A and Areas 2-3, 2-4, 102 and 104 will close to trolling for all salmon due to the poor returns of Coho stocks in Area 2E.

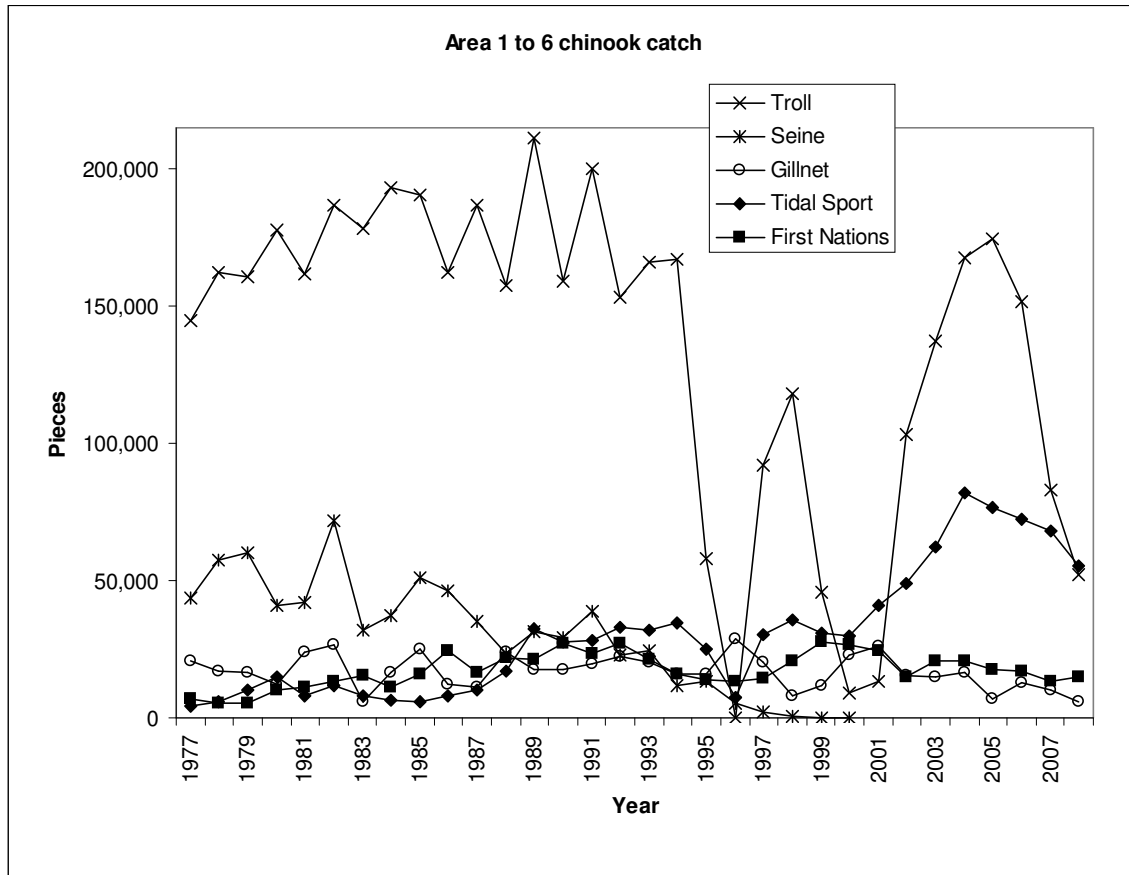
**September 30**

Effective at 2359 hours all previously opened areas in the North coast will close to trolling for all salmon species for the balance of the 2008 salmon season.

North Coast Chinook Salmon 2008:  
by Ivan Winther, Fisheries & Oceans Canada

General Chinook Catch Trends

- General decline in Chinook since the higher abundances that were experienced in 2003 & 4.
- The PST Chinook allocation to the AABM fisheries of NBC Troll & QCI Sport was not realized in 2008 due to the low abundance levels.



2008 Nass & Skeena Chinook Harvests

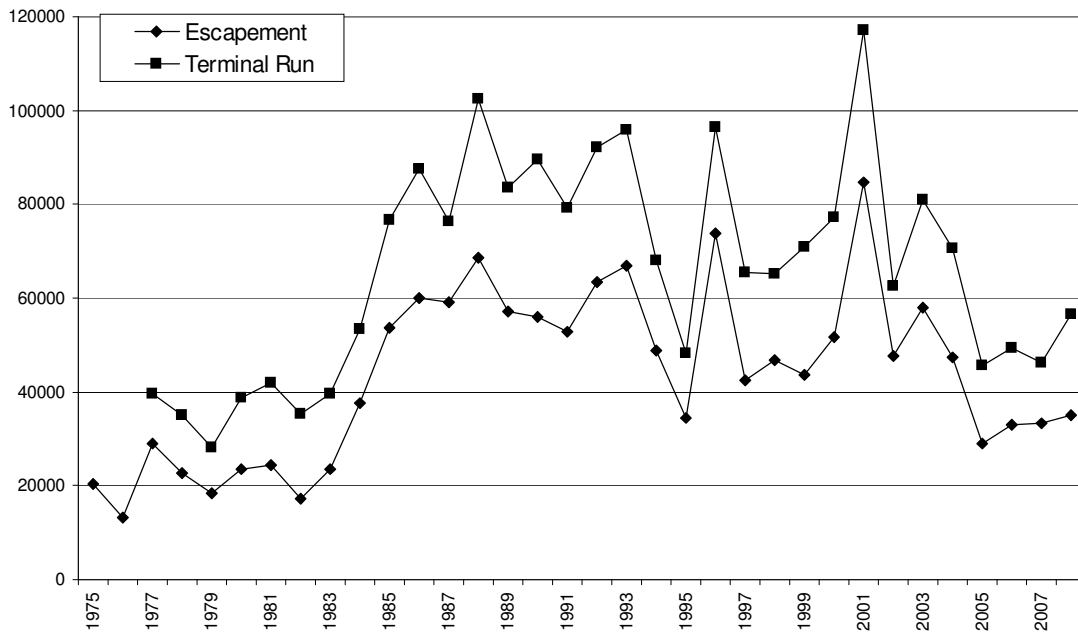
Fishery	Chinook Catch	Nass		Skeena		ER Source Data
		Nass	ER	Skeena	ER	
Alaska		4,943	16.1%	12,548	16.1%	Kalum cwt's
NC Troll	52,147	45	0.1%	1,357	1.7%	NC Troll DNA
QCI Sport	43,500	279	0.9%	4,500	5.8%	Preliminary QCI Sport DNA
Area 3 Sport	6,000	960	3.1%	1,200	1.5%	Creel & old DNA data
Area 4 Sport	6,000	0	0.0%	2,400	3.1%	Creel & guessed 40% Skeena
Area 3 Gillnet	458	344	1.1%	46	0.1%	old cwt and DNA data - LGL table A3
Area 4 Gillnet	5,598	0	0.0%	6,610	8.5%	RGS+Tyee+ 50% of other area 4
River Sport	8,334	1,334	4.4%	7,000	9.0%	Guess
River FN	12,386	4,060	13.2%	8,326	10.7%	preliminary
Total catch	134,423	11,964	39.0%	43,986	56.5%	
Escapement		18,697	61.0%	33,848	43.5%	guessed 1000 Kispiox, 600 up. Bulkley
Total stock		30,661		77,834		

### Recent Skeena Chinook Harvests

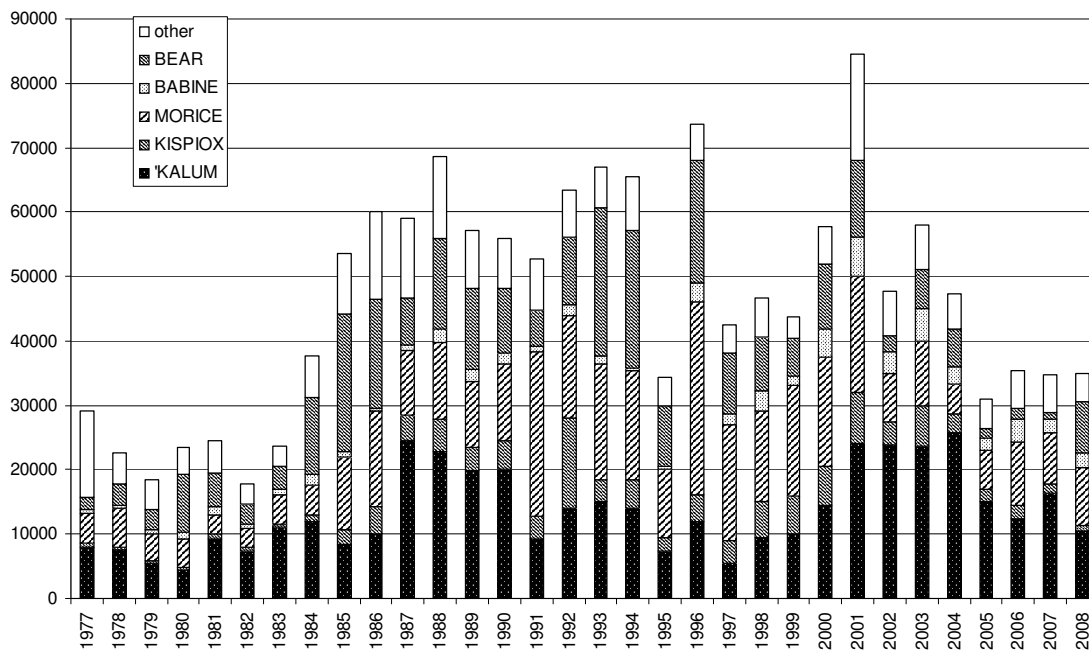
<b>Skeena</b>						<b>Average</b>
<b>Fishery</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>ER</b>
Alaska	15,000	11,234	14,335	9,379	9,706	15%
NC Troll	5,792	4,302	4,135	4,550	4,000	6%
Area 3 Gillnet	408	842	371	628	382	1%
Area 4 Gillnet	5,748	6,908	3,162	5,954	6,302	7%
QCI Sport	2,583	2,410	3,227	4,219	4,500	4%
Area 3 Sport	910	910	910	910	910	1%
Area 4 Sport	1,700	1,700	1,700	1,700	1,700	2%
River Sport	6,280	6,280	5,000	5,000	500	5%
River FN	10,803	11,377	7,245	7,000	6,500	10%
<b>Total catch</b>	<b>49,224</b>	<b>45,963</b>	<b>40,085</b>	<b>39,339</b>	<b>34,500</b>	
<b>Escapement</b>	<b>58,199</b>	<b>47,243</b>	<b>31,067</b>	<b>35,094</b>	<b>35,552</b>	
<b>Total stock</b>	<b>107,423</b>	<b>93,206</b>	<b>71,152</b>	<b>74,433</b>	<b>70,052</b>	
<b>ER</b>	<b>46%</b>	<b>49%</b>	<b>56%</b>	<b>53%</b>	<b>49%</b>	<b>51%</b>

### Skeena River Escapement

Skeena River



### Chinook Escapement to Skeena Tributaries

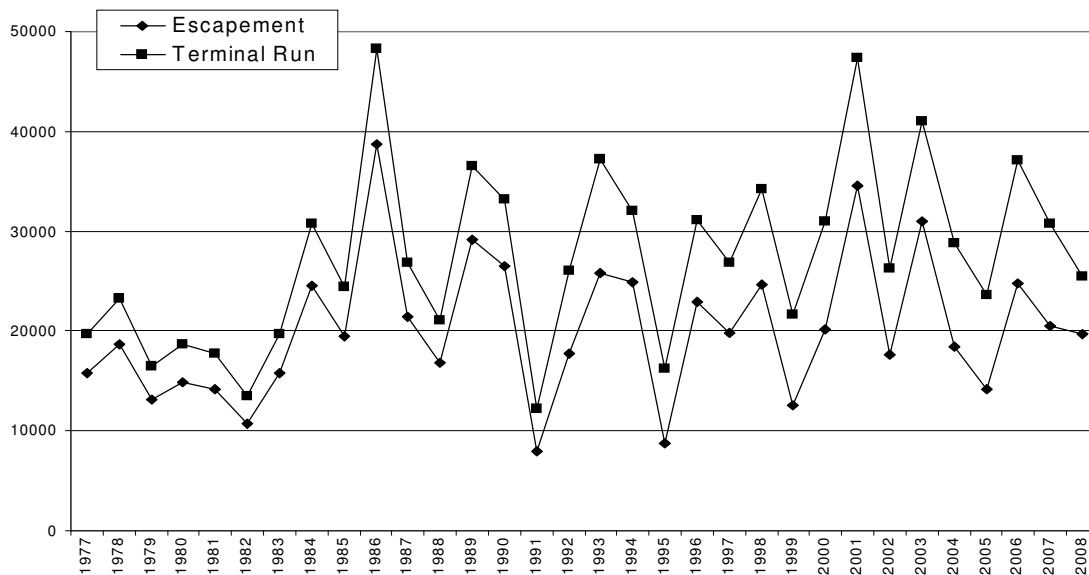


- The 2008 Bear River escapement index was 8000 Chinook following escapement indices of 1400, 1700 and 1000, from 2005 to 2007.

### Nass River

- Nisga'a fishwheel mark-recapture has provided the escapement estimate since 1992.

### Nass River



Recent Nass Chinook Harvests

<b>Nass</b>						<b>Average</b>
<b>Fishery</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>ER</b>
Alaska	6,000	4,390	6,561	6,608	6,750	14%
NC Troll	2,491	419	430	1,330	588	2%
Area 3 Gillnet	3,585	6,270	2,685	4,056	2,867	9%
QCI Sport	232	990	692	133	279	1%
Area 3 Sport	728	728	728	728	728	2%
River Sport	1,030	684	2,000	2,000	2,000	4%
River FN	6,965	5,598	6,662	8,366	6,817	16%
Total catch	20,478	21,348	19,857	23,877	20,029	
Escapement	31,009	18,460	14,219	24,725	24,725	
Total stock	51,487	39,808	34,076	48,602	44,754	
<b>ER</b>	<b>40%</b>	<b>54%</b>	<b>58%</b>	<b>49%</b>	<b>45%</b>	<b>49%</b>

2007 North Coast Troll DNA

Total Troll Chinook Catch	52,147
Estimated catch of WCVI Chinook	1,602
PST allocation	124,800 AABM (64,800 NBC Troll + 60,000 QCI Sport)

Troll targets: 64,800 Chinook total troll catch.  
Less than 3,254 WCVI Chinook

Shortfall of 29,153 Chinook within the PST allowable catch (12,653 Troll + 16,500 QCI Sport).

1,652 WCVI Chinook below the WCVI ceiling.

- The NBC Troll Fishery was open from June 20 to August 8 & August 28 to September 30, 2008.
- The 2008 DNA sampling program consisted of samples of landed catch only.
- DNA results were presented for 1569 of the samples collected.
- WCVI Chinook made up 3.1% of the 2008 NBC Troll catch.
- 3 stock groups made up over 70% of the 2008 troll catch
 

South Thompson - SOTH	43%
Upper Columbia Summer/Fall	17%
North & Central Oregon	11%

**2008 POST SEASON REVIEW AND 2009  
PLANNING FRAMEWORK**

**SALMON**



**CENTRAL COAST  
AREAS 7-10**

**2008 POST SEASON REVIEW AND**  
**2009 PLANNING FRAMEWORK**

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**READ CAREFULLY**

1. Reporting of all catches to the Dept. of Fisheries and Oceans is the responsibility of the fisherman and a condition of licence renewal.
2. Accurate catch reports must include the map number or numbers showing the area in which your fish were caught.
3. The statistical areas shown on this map are to be used as a guide only. For more exact information refer to the Pacific Fishery Management Area Regulations.



Fisheries and Oceans / Pêches et Océans

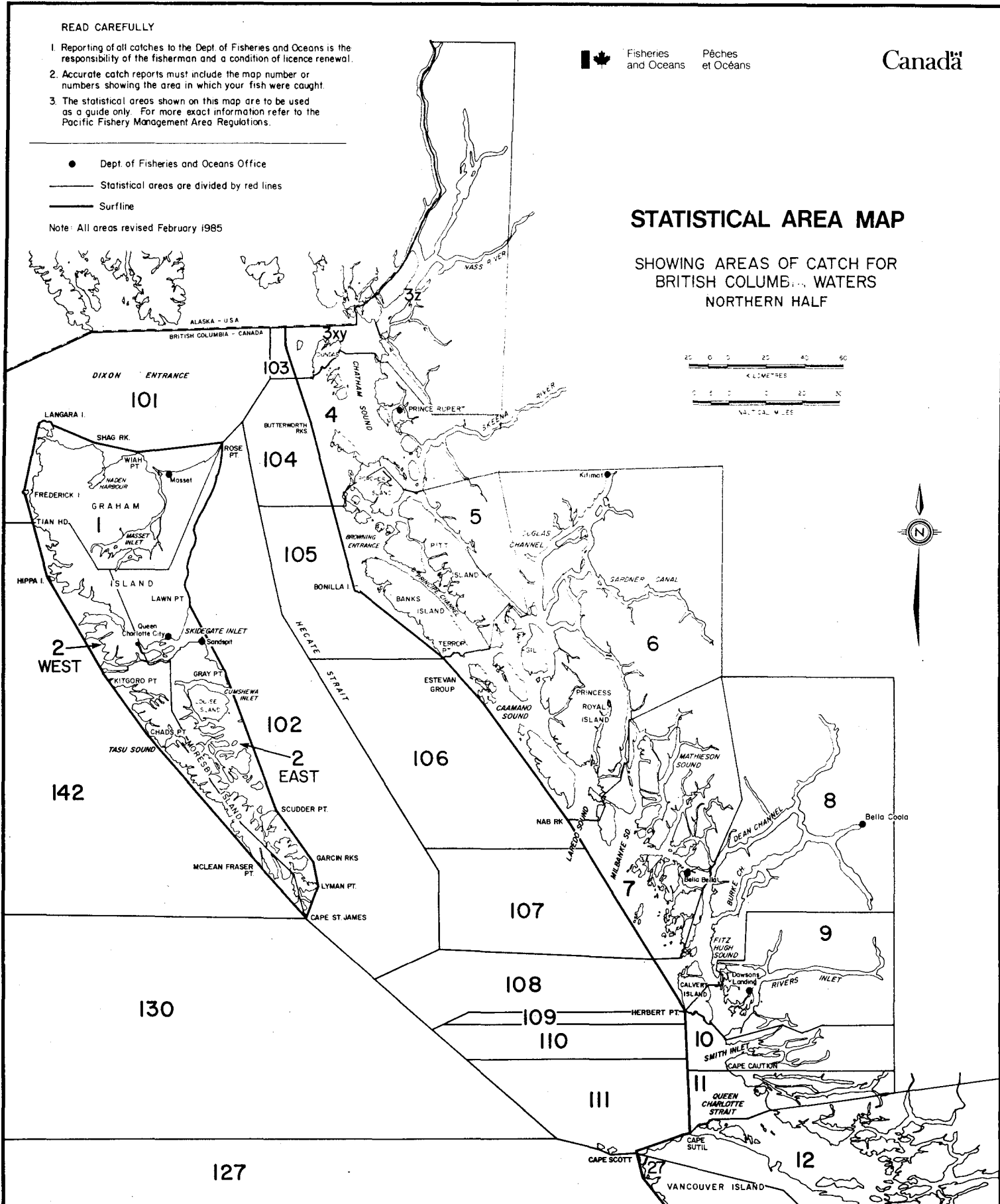
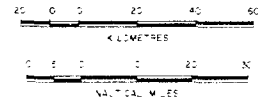
Canada

- Dept. of Fisheries and Oceans Office
- Statistical areas are divided by red lines
- Surfline

Note: All areas revised February 1985

**STATISTICAL AREA MAP**

SHOWING AREAS OF CATCH FOR  
BRITISH COLUMBIA WATERS  
NORTHERN HALF



# 2008 Stat Week Calendar

January								February								March																																																																																																																																										
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: left; color: red;">Week</th> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr><td style="color: red;">40</td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td style="color: red;">41</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td style="color: red;">42</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td style="color: red;">43</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td style="color: red;">44</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </tbody> </table>	Week	Su	Mo	Tu	We	Th	Fr	Sa	40				1	2	3	4	41	5	6	7	8	9	10	11	42	12	13	14	15	16	17	18	43	19	20	21	22	23	24	25	44	26	27	28	29	30	31		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: left; color: red;">Week</th> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr><td style="color: red;">44</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td style="color: red;">45</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td style="color: red;">46</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td style="color: red;">47</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td style="color: red;">48</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td style="color: red;">49</td><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Week	Su	Mo	Tu	We	Th	Fr	Sa	44							1	45	2	3	4	5	6	7	8	46	9	10	11	12	13	14	15	47	16	17	18	19	20	21	22	48	23	24	25	26	27	28	29	49	30							<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: left; color: red;">Week</th> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr><td style="color: red;">49</td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td style="color: red;">50</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td style="color: red;">51</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td style="color: red;">52</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td style="color: red;">53</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr> </tbody> </table>	Week	Su	Mo	Tu	We	Th	Fr	Sa	49		1	2	3	4	5	6	50	7	8	9	10	11	12	13	51	14	15	16	17	18	19	20	52	21	22	23	24	25	26	27	53	28	29	30	31			
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53	28	29	30	31																																																																																																																																																						

# 2009 Stat Week Calendar

January								February								March							
<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>
1					1	2	3	6	1	2	3	4	5	6	7	10	1	2	3	4	5	6	7
2	4	5	6	7	8	9	10	7	8	9	10	11	12	13	14	11	8	9	10	11	12	13	14
3	11	12	13	14	15	16	17	8	15	16	17	18	19	20	21	12	15	16	17	18	19	20	21
4	18	19	20	21	22	23	24	9	22	23	24	25	26	27	28	13	22	23	24	25	26	27	28
5	25	26	27	28	29	30	31									14	29	30	31				
April								May								June							
<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>
14				1	2	3	4	18						1	2	23		1	2	3	4	5	6
15	5	6	7	8	9	10	11	19	3	4	5	6	7	8	9	24	7	8	9	10	11	12	13
16	12	13	14	15	16	17	18	20	10	11	12	13	14	15	16	25	14	15	16	17	18	19	20
17	19	20	21	22	23	24	25	21	17	18	19	20	21	22	23	26	21	22	23	24	25	26	27
18	26	27	28	29	30			22	24	25	26	27	28	29	30	27	28	29	30				
23								23	31														
July								August								September							
<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>
27				1	2	3	4	31						1		36			1	2	3	4	5
28	5	6	7	8	9	10	11	32	2	3	4	5	6	7	8	37	6	7	8	9	10	11	12
29	12	13	14	15	16	17	18	33	9	10	11	12	13	14	15	38	13	14	15	16	17	18	19
30	19	20	21	22	23	24	25	34	16	17	18	19	20	21	22	39	20	21	22	23	24	25	26
31	26	27	28	29	30	31		35	23	24	25	26	27	28	29	40	27	28	29	30			
36								36	30	31													
October								November								December							
<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Week</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>
40					1	2	3	45	1	2	3	4	5	6	7	49			1	2	3	4	5
41	4	5	6	7	8	9	10	46	8	9	10	11	12	13	14	50	6	7	8	9	10	11	12
42	11	12	13	14	15	16	17	47	15	16	17	18	19	20	21	51	13	14	15	16	17	18	19
43	18	19	20	21	22	23	24	48	22	23	24	25	26	27	28	52	20	21	22	23	24	25	26
44	25	26	27	28	29	30	31	49	29	30						53	27	28	29	30	31		

# January 2008 February

DAY	TIME	FT	M	DAY	TIME	FT	M	DAY	TIME	FT	M	DAY	TIME	FT	M
1	12:34a 7:08a 1:58p 7:59p	6.7 14.1 6.1 11.1	2.0 4.3 1.9 3.4	16	6:25a 1:16p 7:23p	15.3 4.8 11.6	4.7 1.5 3.5	1	1:39a 7:59a 3:32p 10:13p	8.8 13.6 5.4 11.0	2.7 4.1 1.6 3.4	16	2:00a 8:21a 3:42p 10:18p	8.3 14.7 3.6 12.0	2.5 4.5 1.1 3.7
2	1:38a 8:02a 3:07p 9:23p	7.6 14.1 5.5 11.1	2.3 4.3 1.7 3.4	17	12:52a 7:26a 2:31p 8:51p	7.1 15.4 4.2 11.5	2.2 4.7 1.3 3.5	2	3:05a 9:11a 4:33p 11:09p	8.9 13.8 4.6 11.7	2.7 4.2 1.4 3.6	17	3:34a 9:43a 4:48p 11:55p	7.9 15.2 2.7 13.0	2.4 4.6 0.8 4.0
3	2:39a 8:56a 4:06p 10:34p	8.1 14.3 4.4 11.6	2.5 4.5 1.4 3.5	18	2:10a 8:35a 3:48p 10:16p	7.8 15.6 3.3 12.1	2.4 4.8 1.0 3.7	3	4:10a 10:11a 5:18p 11:47p	8.5 14.3 7.1 12.4	2.6 4.4 1.1 3.8	18	4:41a 10:47a 5:38p 11:57p	7.0 15.9 1.9 14.0	2.1 4.8 0.6 4.3
4	3:42a 9:47a 4:55p 11:24p	8.3 14.6 4.1 12.2	2.5 4.5 1.3 3.7	19	3:31a 9:45a 4:53p 11:21p	7.8 16.1 2.3 13.0	2.4 4.9 0.7 4.0	4	4:59a 10:59a 5:55p	7.9 15.0 2.9	2.4 4.6 0.9	19	5:33a 11:39a 6:19p	5.9 16.5 1.3	1.8 5.0 0.4
5	4:36a 10:34a 5:37p	8.2 15.0 3.4	2.5 4.6 1.0	20	4:41a 10:48a 5:46p	7.3 16.8 1.3	2.2 5.1 0.4	5	12:19a 5:42a 11:42a 6:29p	13.1 7.1 15.6 2.3	4.0 2.2 4.8 0.7	20	12:34a 6:19a 12:25p 6:56p	14.9 5.0 16.8 1.2	4.5 1.5 5.1 0.4
6	12:04a 5:21a 11:16a 6:14p	12.7 7.9 15.5 2.8	3.9 2.4 4.7 0.9	21	12:11a 5:39a 11:44a 6:33p	14.0 6.6 17.3 0.7	4.3 2.0 5.3 0.2	6	12:49a 6:21a 12:22p 7:01p	13.8 6.4 16.2 1.8	4.2 2.0 4.9 0.5	21	1:08a 7:01a 1:06p 7:29p	15.5 4.2 16.7 1.5	4.7 1.3 5.1 0.5
7	12:39a 6:01a 11:57a 6:49p	13.2 7.6 15.9 2.3	4.0 2.3 4.7 0.7	22	12:53a 6:30a 12:34p 7:16p	14.8 5.9 17.6 0.5	4.5 1.8 5.4 0.2	7	1:18a 7:00a 1:01p 7:33p	14.5 5.6 16.5 1.6	4.4 1.7 5.0 0.5	22	1:40a 7:41a 1:45p 8:01p	15.9 3.7 16.2 2.1	4.8 1.1 4.9 0.6
8	1:12a 6:39a 12:36p 7:23p	13.6 7.2 16.2 2.0	4.1 2.2 4.9 0.6	23	1:33a 7:16a 1:20p 7:55p	15.3 5.3 17.5 0.6	4.7 1.6 5.3 0.2	8	1:49a 7:40a 1:42p 8:05p	15.1 4.8 16.5 1.7	4.6 1.5 5.0 0.5	23	2:10a 8:20a 1:26p 8:31p	16.0 3.5 15.5 3.0	4.9 1.1 4.7 0.9
9	1:45a 7:16a 11:14p 7:57p	14.0 6.8 16.3 1.8	4.3 2.1 5.0 0.5	24	2:10a 8:00a 2:03p 8:32p	15.7 4.9 17.0 1.2	4.8 1.5 5.2 0.4	9	2:21a 8:22a 2:23p 8:38p	15.7 4.2 16.1 2.2	4.8 1.3 4.9 0.7	24	2:40a 8:58a 3:01p 9:01p	15.9 3.6 14.5 4.1	4.8 1.1 4.4 1.3
10	2:19a 7:56a 1:53p 8:31p	14.3 6.4 16.2 1.9	4.4 2.0 4.9 0.6	25	2:46a 8:44a 2:45p 9:06p	15.8 4.8 16.1 2.2	4.8 1.5 4.9 0.7	10	2:55a 9:05a 3:06p 9:13p	16.0 3.8 15.4 3.0	4.9 1.2 4.7 0.9	25	3:10a 9:37a 3:41p 9:30p	15.6 3.9 13.5 5.2	4.8 1.2 4.1 1.6
11	2:53a 8:38a 2:34p 9:05p	14.6 6.1 15.8 2.2	4.5 1.9 4.8 0.7	26	3:22a 8:28a 3:26p 9:40p	15.7 4.8 15.0 3.3	4.8 1.5 4.6 1.0	11	3:30a 9:52a 3:52p 9:49p	16.2 3.6 14.4 4.4	4.9 1.1 4.4 1.3	26	3:41a 10:17a 4:23p 10:01p	15.1 4.4 12.4 6.3	4.6 1.3 3.8 1.9
12	3:29a 9:24a 3:17p 9:40p	14.8 5.9 15.2 2.9	4.5 1.8 4.6 0.9	27	3:57a 10:13a 4:09p 10:13p	15.4 5.1 13.7 4.6	4.7 1.6 4.2 1.4	12	4:10a 10:43a 4:45p 10:30p	16.1 3.7 13.2 5.3	4.9 1.1 4.0 1.6	27	4:14a 11:03a 5:12p 10:37p	14.5 4.9 11.4 7.3	4.4 1.5 3.5 2.2
13	4:07a 10:14a 4:05p 10:18p	15.0 5.7 14.3 3.8	4.6 1.7 4.4 1.2	28	4:34a 11:01a 4:56p 10:47p	15.0 5.4 12.5 5.8	4.6 1.6 3.8 1.8	13	4:55a 11:41a 5:48p 11:18p	15.7 4.0 12.0 6.6	4.8 1.2 3.7 2.0	28	4:54a 11:58a 6:18p 11:26p	13.9 5.5 10.6 8.2	4.2 1.7 3.2 2.5
14	4:48a 11:09a 5:01p 10:59p	15.1 5.4 13.3 4.8	4.6 1.6 4.1 1.5	29	5:13a 11:54a 5:53p 11:26p	14.5 5.7 11.4 7.0	4.4 1.7 3.5 2.1	14	5:49a 12:51p 7:08p	15.2 4.3 11.2	4.6 1.3 3.4	29	5:48a 1:13p 7:57p	13.3 5.8 10.3	4.1 1.8 3.1
15	5:33a 12:09p 6:07p 11:48p	15.2 5.1 12.3 6.0	4.6 1.6 3.8 1.8	30	5:57a 12:57p 7:07p	14.0 5.9 10.7	4.3 1.8 3.3	15	12:26a 6:58a 2:16p 8:50p	7.8 14.8 4.2 11.2	2.4 4.5 1.3 3.4				
				31	12:19a 6:52a 2:12p 8:42p	8.1 13.7 5.9 10.5	2.5 4.2 1.8 3.2								

BELLACOOLA

# March 2008 April

DAY	TIME	FT	M	DAY	TIME	FT	M	DAY	TIME	FT	M	DAY	TIME	FT	M
1	12:46a 7:20a 2:44p 9:43p	8.9 12.9 5.6 10.7	2.7 3.9 1.7 3.3	16	3:08a 9:20a 4:28p 11:04p	8.0 13.9 3.7 12.4	2.4 4.2 1.1 3.8	1	4:12a 10:05a 4:55p 11:23p	7.8 12.8 4.3 12.7	2.4 3.9 1.3 3.9	16	5:17a 11:20a 5:38p 11:51p	5.2 13.7 3.9 14.6	2.6 4.2 1.2 4.5
2	2:28a 8:28a 3:55p 10:38p	8.9 13.0 4.9 11.5	2.7 4.0 1.5 3.5	17	4:33a 10:37a 5:28p 11:52p	7.2 14.3 3.1 13.4	2.2 4.4 0.9 4.1	2	5:06a 11:05a 5:37p 11:57p	6.6 13.6 3.7 13.7	2.0 4.1 1.1 4.2	17	6:03a 12:09p 6:18p	4.1 14.0 4.0	1.3 4.3 1.2
3	3:44a 9:40a 4:44p 11:13p	8.3 13.5 4.0 12.4	2.5 4.1 1.2 3.8	18	5:34a 11:37a 6:13p	6.1 14.9 2.6	1.9 4.5 0.8	3	5:51a 11:55a 6:15p	5.1 14.4 3.2	1.6 4.4 1.0	18	12:25a 6:44a 12:53p 6:53p	15.2 3.2 14.2 4.3	4.6 1.0 4.3 1.3
4	4:37a 10:36a 5:23p 11:43p	7.4 14.3 3.2 13.3	2.3 4.4 1.0 4.1	19	12:30a 6:23a 12:27p 6:52p	14.3 4.9 15.3 2.4	4.4 1.5 4.7 0.7	4	12:29a 6:34a 12:41p 6:50p	14.9 3.6 15.1 2.9	4.5 1.6 4.1 0.9	19	12:56a 7:21a 1:32p 7:26p	15.6 2.6 14.2 4.7	4.8 0.8 4.2 1.4
5	5:20a 11:22a 5:57p	6.2 15.1 2.5	1.9 4.6 0.8	20	1:02a 7:05a 1:10p 7:26p	15.1 3.9 15.5 2.6	4.6 1.2 4.7 0.8	5	1:01a 7:16a 1:26p 7:27p	16.0 2.2 15.5 3.0	4.9 0.7 4.7 0.9	20	1:26a 2:10p 7:57p	15.8 14.1 5.2	4.8 4.3 1.6
6	12:12a 6:00a 12:04p 6:30p	14.2 5.0 15.8 2.0	4.3 1.5 4.8 0.6	21	1:33a 7:43a 1:50p 7:59p	15.7 3.2 15.5 3.0	4.8 1.0 4.9 0.9	6	1:35a 7:59a 2:11p 8:04p	17.0 1.1 15.7 3.3	5.2 0.3 4.8 1.0	21	1:55a 8:31a 2:46p 8:28p	15.8 2.8 13.9 5.7	4.8 0.6 4.2 1.7
7	12:42a 6:39a 12:45p 7:02p	15.2 3.9 16.2 1.9	4.6 1.2 4.9 0.6	22	2:03a 8:19a 2:27p 8:29p	15.9 2.7 15.2 3.6	4.8 0.8 4.6 1.1	7	2:11a 8:42a 2:56p 8:44p	17.6 0.4 15.4 4.0	5.4 0.1 4.7 1.2	22	2:24a 9:05a 3:23p 8:59p	15.7 2.1 13.5 6.3	4.8 0.6 4.1 1.9
8	1:13a 7:20a 1:26p 7:36p	16.1 2.9 16.3 2.2	4.9 0.9 5.0 0.7	23	2:31a 8:54a 3:04p 8:59p	16.0 2.5 14.7 4.4	4.9 1.3 4.5 1.3	8	2:49a 9:27a 3:43p 9:25p	17.7 0.2 14.9 4.8	5.4 0.1 4.5 1.5	23	2:53a 9:39a 4:01p 9:31p	15.4 2.4 13.0 6.8	4.7 0.7 4.0 2.1
9	1:46a 8:02a 3:08p 9:10p	16.7 2.1 15.9 2.8	5.1 0.6 4.8 0.9	24	3:00a 9:29a 3:29p 9:28p	15.9 2.6 14.0 5.2	4.8 0.8 4.3 1.6	9	3:30a 10:15a 3:43p 10:11p	17.3 0.6 14.0 5.7	5.3 0.2 4.3 1.7	24	3:24a 10:15a 4:41p 10:07p	14.9 2.9 12.5 7.3	4.5 0.9 3.8 2.2
10	3:20a 9:46a 3:53p 9:46p	17.1 1.7 15.2 3.7	5.2 0.5 4.6 1.1	25	3:28a 10:04a 4:16p 9:57p	15.5 2.9 13.2 6.0	4.7 0.9 4.0 1.8	10	4:16a 5:30p 11:04p	16.5 13.1 6.6	5.0 4.0 2.0	25	3:58a 5:28p 10:51p	14.3 12.0 7.8	4.4 3.7 2.4
11	3:57a 10:32a 4:41p 10:25p	17.0 1.8 14.2 4.8	5.2 0.5 4.3 1.5	26	3:58a 10:42a 4:57p 10:29p	15.0 3.5 12.4 6.8	4.6 1.1 3.8 2.1	11	5:11a 12:08p 6:38p	15.4 2.5 12.3	4.7 0.8 3.8	26	4:39a 11:41a 6:23p 11:48p	13.6 4.1 11.6 8.3	4.1 1.3 3.5 2.5
12	4:38a 11:23a 5:35p 11:09p	16.5 2.3 13.0 6.1	5.0 0.7 4.0 1.9	27	4:30a 11:25a 5:45p 11:05p	14.4 4.1 11.6 7.6	4.4 1.3 3.5 2.3	12	12:10a 6:19a 1:19p 7:59p	7.4 14.3 3.4 12.0	2.3 4.4 1.0 3.7	27	5:31a 12:36p 7:30p	12.9 4.6 11.4	3.9 1.4 3.5
13	5:25a 12:21p 6:41p	15.7 3.1 11.9	4.8 0.9 3.6	28	5:09a 12:15p 6:48p 11:56p	13.7 4.8 10.9 8.3	4.2 1.5 3.3 2.5	13	1:36a 7:41a 2:38p 9:20p	7.7 13.5 3.9 12.4	2.3 4.1 1.2 3.8	28	1:02a 6:42a 1:42p 8:40p	8.4 12.3 4.9 11.7	2.6 3.8 1.5 3.6
14	12:06a 6:26a 1:32p 8:04p	7.2 14.8 3.8 11.3	2.2 4.5 1.2 3.4	29	6:00a 1:18p 3:52p 8:13p	13.0 5.3 10.6 10.6	4.0 1.6 3.2	14	3:07a 9:06a 3:52p 10:25p	7.3 13.2 4.0 13.1	2.2 4.0 1.2 4.0	29	2:23a 8:04a 2:49p 9:37p	8.0 12.1 4.9 12.4	2.4 3.7 1.5 3.8
15	1:28a 7:47a 3:03p 9:46p	8.0 14.0 4.1 11.5	2.4 4.3 1.3 3.5	30	1:19a 7:12a 2:38p 9:42p	8.8 12.4 5.4 11.0	2.7 3.8 1.6 3.4	15	4:21a 10:20a 4:51p 11:12p	6.3 13.4 3.9 13.9	1.9 4.1 1.2 4.2	30	3:34a 9:21a 3:49p 10:22p	7.0 12.3 4.7 13.4	2.1 3.8 1.4 4.1
				31	2:59a 8:45a 3:58p 10:43p	8.6 12.4 5.0 11.7	2.6 3.8 1.5 3.6								

BELLACOOLA

May 2008

June 2008

DAY	TIME	FT	M
1	4:31a	5.7	1.7
10:29a	12.8	3.9	
4:40p	4.5	1.4	
11:02p	14.5	4.4	
2	5:21a	4.1	1.3
11:27a	13.5	4.1	
5:26p	4.4	1.3	
11:40p	15.6	4.8	
3	6:07a	2.5	0.8
12:19p	14.2	4.3	
6:10p	4.4	1.3	
4	12:19a	16.7	5.1
6:52a	1.0	0.3	
1:09p	14.7	4.5	
6:54p	4.5	1.4	
5	12:59a	17.5	5.3
7:38a	0.0	0.0	
1:57p	15.0	4.6	
7:38p	4.7	1.4	
6	1:41a	17.9	5.5
8:25a	-0.5	-0.2	
2:45p	14.9	4.5	
8:24p	5.1	1.6	
7	2:26a	17.9	5.5
9:14a	-0.5	-0.2	
3:35p	14.6	4.5	
9:11p	5.6	1.7	
8	3:14a	17.4	5.3
10:04a	0.1	0.0	
4:28p	14.1	4.3	
10:04p	6.1	1.9	
9	4:05a	16.5	5.0
10:57a	1.0	0.3	
5:25p	13.6	4.1	
11:03p	6.6	2.0	
10	5:04a	15.3	4.7
11:53a	2.0	0.6	
6:27p	13.3	4.1	
11	12:12a	7.0	2.1
6:11a	14.2	4.3	
12:55p	3.1	0.9	
7:32p	13.2	4.0	
12	1:28a	6.9	2.1
7:25a	13.2	4.0	
2:00p	3.9	1.2	
8:37p	13.4	4.1	
13	2:44a	6.5	2.0
8:39a	12.7	3.9	
3:04p	4.5	1.4	
9:35p	13.8	4.2	
14	3:54a	5.7	1.7
9:50a	12.4	3.8	
4:02p	5.0	1.5	
10:25p	14.2	4.3	
15	4:52a	4.7	1.4
10:54a	12.5	3.8	
4:53p	5.4	1.6	
11:06p	14.7	4.5	

DAY	TIME	FT	M
16	5:41a	3.8	1.2
11:50a	12.7	3.9	
5:38p	5.7	1.7	
11:43p	15.0	4.6	
17	6:22a	3.1	0.9
12:37p	13.0	4.0	
6:18p	6.1	1.9	
18	12:18a	15.3	4.7
7:00a	2.5	0.8	
1:19p	13.2	4.0	
6:55p	6.4	2.0	
19	12:51a	15.5	4.7
7:35a	2.2	0.7	
1:57p	13.3	4.1	
7:30p	6.6	2.0	
20	1:23a	15.5	4.7
8:10a	2.0	0.6	
2:33p	13.3	4.1	
8:05p	6.8	2.1	
21	1:55a	15.5	4.7
8:45a	2.0	0.6	
3:09p	13.2	4.0	
8:39p	7.0	2.1	
22	2:29a	15.3	4.7
9:20a	2.2	0.7	
3:46p	13.0	4.0	
9:15p	7.2	2.2	
23	3:04a	14.9	4.5
9:56a	2.5	0.8	
4:26p	12.8	3.9	
9:54p	7.4	2.3	
24	3:42a	14.4	4.4
10:35a	3.0	0.9	
5:10p	12.6	3.8	
10:40p	7.7	2.3	
25	4:25a	13.8	4.2
11:17a	3.4	1.0	
5:58p	12.5	3.8	
11:35p	7.8	2.4	
26	5:16a	13.2	4.0
12:02p	3.9	1.2	
6:50p	12.5	3.8	
27	12:40a	7.6	2.3
6:17a	12.6	3.8	
12:52p	4.4	1.3	
7:42p	12.8	3.9	
28	1:48a	7.1	2.2
7:28a	12.1	3.7	
1:47p	4.8	1.5	
8:32p	13.4	4.1	
29	2:52a	6.1	1.9
8:43a	12.0	3.7	
2:45p	5.2	1.6	
9:21p	14.2	4.3	
30	3:52a	4.9	1.5
9:54a	12.2	3.7	
3:44p	5.5	1.7	
10:09p	15.2	4.6	
31	4:49a	3.4	1.0
11:00a	12.7	3.9	
4:40p	5.7	1.7	
10:56p	16.1	4.9	

DAY	TIME	FT	M
1	5:42a	1.9	0.6
12:00p	13.3	4.1	
5:34p	5.8	1.8	
11:44p	17.0	5.2	
2	6:34a	0.7	0.2
12:55p	13.9	4.2	
6:27p	5.8	1.8	
3	12:33a	17.6	5.4
7:24a	-0.2	-0.1	
1:47p	14.3	4.4	
7:19p	5.8	1.8	
4	1:22a	17.9	5.5
8:14a	-0.6	-0.2	
2:37p	14.6	4.5	
8:11p	5.8	1.8	
5	2:13a	17.8	5.4
9:03a	-0.5	-0.2	
3:27p	14.7	4.5	
9:04p	5.8	1.8	
6	3:05a	17.4	5.3
9:53a	0.0	0.0	
4:17p	14.6	4.5	
9:58p	5.9	1.8	
7	3:59a	16.5	5.0
10:42a	0.8	0.2	
5:08p	14.4	4.4	
10:55p	6.0	1.8	
8	4:55a	15.4	4.7
11:32a	1.8	0.5	
6:01p	14.3	4.4	
11:57p	6.1	1.9	
9	5:53a	14.2	4.3
12:22p	3.0	0.9	
6:54p	14.2	4.3	
10	1:02a	6.1	1.9
6:55a	13.1	4.0	
1:13p	4.2	1.3	
7:47p	14.2	4.3	
11	2:10a	5.8	1.8
8:02a	12.1	3.7	
2:07p	5.2	1.6	
8:39p	14.2	4.3	
12	3:16a	5.4	1.6
9:14a	11.6	3.5	
3:05p	6.2	1.9	
9:30p	14.3	4.4	
13	4:17a	4.8	1.5
10:26a	11.5	3.5	
4:04p	6.8	2.1	
10:18p	14.5	4.4	
14	5:12a	4.1	1.3
11:29a	11.8	3.6	
4:59p	7.2	2.2	
11:04p	14.7	4.5	
15	5:59a	3.5	1.1
12:22p	12.2	3.7	
5:46p	7.4	2.3	
11:45p	14.9	4.5	

DAY	TIME	FT	M
16	6:42a	2.9	0.9
1:06p	12.5	3.8	
6:28p	7.4	2.3	
17	12:25a	15.1	4.6
7:20a	2.5	0.8	
1:45p	12.8	3.9	
7:07p	7.3	2.2	
18	1:02a	15.3	4.7
7:56a	2.2	0.7	
2:21p	13.1	4.0	
7:44p	7.2	2.2	
19	1:38a	15.4	4.7
8:30a	2.1	0.6	
2:56p	13.2	4.0	
8:21p	7.1	2.2	
20	2:14a	15.4	4.7
9:04a	2.1	0.6	
3:31p	13.3	4.1	
9:00p	7.0	2.1	
21	2:52a	15.2	4.6
9:38a	2.2	0.7	
4:07p	13.4	4.1	
9:42p	7.0	2.1	
22	3:31a	14.8	4.5
10:13a	2.5	0.8	
4:44p	13.4	4.1	
10:27p	6.9	2.1	
23	4:14a	14.3	4.4
10:50a	2.9	0.9	
5:23p	13.5	4.1	
11:17p	6.8	2.1	
24	5:02a	13.7	4.2
11:29a	3.5	1.1	
6:05p	13.7	4.2	
25	12:11a	6.5	2.0
5:56a	12.9	3.9	
12:12p	4.2	1.3	
6:51p	14.0	4.3	
26	1:10a	6.0	1.8
6:58a	12.3	3.8	
12:59p	5.0	1.5	
7:39p	14.4	4.4	
27	2:13a	5.3	1.6
8:08a	11.8	3.6	
1:53p	5.8	1.8	
8:30p	14.9	4.5	
28	3:18a	4.3	1.3
9:24a	11.6	3.5	
2:54p	6.5	2.0	
9:24p	15.5	4.7	
29	4:23a	3.2	1.0
10:41a	11.9	3.6	
4:02p	6.9	2.1	
10:22p	16.1	4.9	
30	5:24a	2.1	0.6
11:49a	12.6	3.8	
5:11p	6.9	2.1	
11:21p	16.8	5.1	

July 2008

August 2008

DAY	TIME	FT	M
1	6:22a	1.0	0.3
12:47p	13.4	4.1	
6:13p	6.6	2.0	
2	12:19a	17.3	5.3
7:15a	0.2	0.1	
1:39p	14.1	4.3	
7:09p	6.1	1.9	
3	1:15a	17.7	5.4
8:05a	-0.2	-0.1	
2:27p	14.6	4.5	
8:02p	5.6	1.7	
4	2:07a	17.8	5.4
8:52a	-0.2	-0.1	
3:12p	15.0	4.6	
8:53p	5.3	1.6	
5	2:57a	17.4	5.3
9:37a	0.1	0.0	
3:57p	15.2	4.6	
9:44p	5.1	1.6	
6	3:46a	16.6	5.1
10:19a	0.9	0.3	
4:40p	15.3	4.7	
10:37p	5.1	1.6	
7	4:35a	15.5	4.7
11:00a	2.1	0.6	
5:23p	15.1	4.6	
11:31p	5.2	1.6	
8	5:26a	14.1	4.3
11:41a	3.4	1.0	
6:06p	14.9	4.5	
9	12:26a	5.3	1.6
6:20a	12.8	3.9	
12:24p	4.7	1.4	
6:51p	14.5	4.4	
10	1:24a	5.4	1.6
7:21a	11.8	3.6	
1:11p	6.0	1.8	
7:41p	14.2	4.3	
11	2:28a	5.4	1.6
8:31a	11.0	3.4	
2:07p	7.1	2.2	
8:35p	14.0	4.3	
12	3:38a	5.1	1.6
9:53a	10.8	3.3	
3:12p	7.8	2.4	
9:32p	14.0	4.3	
13	4:45a	4.7	1.4
11:13a	11.1	3.4	
4:19p	8.1	2.5	
10:28p	14.1	4.3	
14	5:39a	4.0	1.2
12:11p	11.7	3.6	
5:18p	8.1	2.5	
11:18p	14.5	4.4	
15	6:24a	3.4	1.0
12:53p	12.2	3.7	
6:06p	7.8	2.4	

DAY	TIME	FT	M
16	12:04a	14.8	4.5
7:03a	2.9	0.9	
1:29p	12.7	3.9	
6:49p	7.4	2.3	
17	12:46a	15.2	4.6
7:38a	2.4	0.7	
2:01p	13.1	4.0	
7:27p	7.0	2.1	
18	1:25a	15.5	4.7
8:12a	2.1	0.6	
2:32p	13.5	4.1	
8:05p	6.6	2.0	
19	2:03a	15.6	4.8
8:44a	2.0	0.6	
3:04p	13.9	4.2	
8:43p	6.2	1.9	
20	2:41a	15.6	4.8
9:16a	2.0	0.6	
3:37p	14.2	4.3	
9:23p	5.8	1.8	
21	3:20a	15.3	4.7
9:48a	2.3	0.7	
4:10p	14.5	4.4	
10:06p	5.5	1.7	
22	4:01a	14.8	4.5
10:21a	2.8	0.9	
4:46p	14.7	4.5	

# September 2008

# October

# November 2008

# December

BELLASCOOLA

BELLASCOOLA

DAY	TIME	FT	M
1 Mon	2:26a 8:41a 2:49p 9:01p	16.3 2.1 16.3 2.9	5.0 0.6 5.0 0.9
2 Tue	3:06a 9:13a 3:21p 9:41p	15.6 3.0 16.2 3.0	4.8 0.9 4.9 0.9
3 Wed	3:47a 9:45a 3:53p 10:22p	14.7 4.1 15.8 3.3	4.5 1.3 4.8 1.0
4 Thu	4:28a 10:17a 4:25p 11:04p	13.6 5.2 15.2 3.9	4.1 1.6 4.6 1.2
5 Fri	5:12a 10:50a 5:00p 11:50p	12.6 6.4 14.5 4.6	3.8 2.0 4.4 1.4
6 Sat	6:05a 11:29a 5:40p	11.6 7.4 13.8	3.5 2.3 4.2
7 Sun	12:45a 7:11a 12:24p 6:35p	5.2 10.8 8.3 13.1	1.6 3.3 2.5 4.0
8 Mon	1:57a 8:45a 1:48p 7:54p	5.6 10.5 8.9 12.7	1.7 3.2 2.7 3.9
9 Tue	3:27a 10:24a 3:22p 9:21p	5.5 11.0 8.8 12.8	1.7 3.4 2.7 3.9
10 Wed	4:37a 11:19a 4:32p 10:29p	5.0 11.7 8.1 13.3	1.5 3.6 2.5 4.1
11 Thu	5:26a 11:55a 5:24p 11:22p	4.2 12.5 7.2 14.0	1.3 3.8 2.2 4.3
12 Fri	6:04a 12:25p 6:05p	3.6 13.3 6.2	1.1 4.1 1.9
13 Sat	12:06a 6:37a 12:52p 6:44p	14.7 3.0 14.2 5.1	4.5 0.9 4.3 1.6
14 Sun	12:47a 7:09a 1:21p 7:21p	15.3 2.7 15.0 4.0	4.7 0.8 4.6 1.2
15 Mon	1:27a 7:40a 1:50p 7:59p	15.7 2.6 15.8 3.0	4.8 0.8 4.8 0.9

DAY	TIME	FT	M
16 Tue	2:06a 8:14a 2:21p 8:39p	15.8 2.8 16.5 2.3	4.8 0.9 5.0 0.7
17 Wed	2:47a 8:45a 2:54p 9:21p	15.6 3.3 16.8 1.9	4.8 1.0 5.1 0.6
18 Thu	3:29a 9:21a 3:30p 10:05p	15.0 4.1 16.9 1.9	4.6 1.3 5.2 0.6
19 Fri	4:15a 9:58a 4:09p 10:54p	14.2 5.1 16.5 2.2	4.3 1.6 5.0 0.7
20 Sat	5:07a 10:41a 4:54p 11:50p	13.2 6.2 15.8 2.9	4.0 1.9 4.8 0.9
21 Sun	6:10a 11:34a 5:51p	12.2 7.2 15.0	3.7 2.2 4.6
22 Mon	12:56a 7:28a 12:51p 7:07p	3.7 11.6 8.0 14.2	1.1 3.5 2.4 4.3
23 Tue	2:19a 9:01a 2:30p 8:39p	4.1 11.6 8.1 13.9	1.3 3.5 2.5 4.2
24 Wed	3:47a 10:24a 3:57p 10:02p	3.9 12.4 7.3 14.3	1.2 3.8 2.2 4.4
25 Thu	4:53a 11:18a 5:03p 11:07p	3.3 13.5 6.1 14.9	1.0 4.1 1.9 4.5
26 Fri	5:42a 12:00p 5:55p	2.8 14.5 4.9	0.9 4.4 1.5
27 Sat	12:00a 6:24a 12:35p 6:40p	15.4 2.6 15.4 3.7	4.7 0.8 4.7 1.1
28 Sun	12:46a 7:01a 1:08p 7:21p	15.6 2.7 16.1 2.9	4.8 0.8 4.9 0.9
29 Mon	1:29a 7:35a 1:40p 7:59p	15.6 3.2 16.4 2.3	4.8 1.0 5.0 0.7
30 Tue	2:09a 8:08a 2:10p 8:36p	15.4 3.8 16.5 2.1	4.7 1.2 5.0 0.6

DAY	TIME	FT	M
1 Wed	2:48a 8:40a 2:40p 9:12p	14.9 4.6 16.3 2.3	4.5 1.4 5.0 0.7
2 Thu	3:26a 9:12a 3:10p 9:49p	14.2 5.5 15.8 2.7	4.3 1.7 4.8 0.8
3 Fri	4:05a 9:44a 3:41p 10:27p	13.5 6.4 15.3 3.4	4.1 2.0 4.7 1.0
4 Sat	4:46a 10:18a 4:14p 11:10p	12.6 7.2 14.5 4.1	3.8 2.2 4.4 1.3
5 Sun	5:35a 10:57a 4:54p	11.9 8.0 13.8	3.6 2.4 4.2
6 Mon	12:01a 6:40a 11:52a 5:47p	4.8 11.2 8.6 13.0	1.5 3.4 2.6 4.0
7 Tue	1:05a 8:05a 1:17p 7:03p	5.4 11.1 9.0 12.4	1.6 3.4 2.7 3.8
8 Wed	2:23a 9:27a 2:54p 8:35p	5.6 11.4 8.7 12.3	1.7 3.5 2.7 3.8
9 Thu	3:38a 10:24a 4:03p 9:52p	5.3 12.1 7.8 12.6	1.6 3.7 2.4 3.8
10 Fri	4:35a 11:04a 4:53p 10:50p	4.8 13.0 6.7 13.3	1.5 4.0 2.0 4.1
11 Sat	5:17a 11:36a 5:36p 11:38p	4.3 13.9 5.4 14.0	1.3 4.2 1.6 4.3
12 Sun	5:54a 12:07p 6:16p	3.9 15.0 4.0	1.2 4.6 1.2
13 Mon	12:22a 6:28a 12:38p 6:56p	14.7 3.7 16.0 2.7	4.5 1.1 4.9 0.8
14 Tue	1:05a 7:03a 1:11p 7:36p	15.2 3.8 16.9 1.5	4.6 1.2 5.2 0.5
15 Wed	1:48a 7:39a 1:45p 8:18p	15.4 4.0 17.5 1.5	4.7 1.2 5.3 0.2

DAY	TIME	FT	M
16 Thu	2:32a 8:17a 2:22p 9:02p	15.3 4.6 17.8 0.5	4.7 1.4 5.4 0.2
17 Fri	3:18a 8:57a 3:01p 9:48p	14.9 5.2 17.6 0.7	4.5 1.6 5.4 0.2
18 Sat	4:07a 9:42a 3:46p 10:38p	14.3 6.0 16.9 1.4	4.4 1.8 5.2 0.4
19 Sun	5:01a 10:34a 4:38p 11:35p	13.5 6.9 15.9 2.4	4.1 2.1 4.8 0.7
20 Mon	6:05a 11:38a 5:43p	12.8 7.6 14.8	3.9 2.3 4.5
21 Tue	12:43a 7:21a 12:59p 7:04p	3.3 12.3 7.9 13.9	1.0 3.8 2.4 4.2
22 Wed	2:00a 8:42a 2:30p 8:29p	4.0 12.7 7.6 13.5	1.2 3.9 2.3 4.1
23 Thu	3:14a 9:50a 3:49p 9:46p	4.2 13.4 6.6 13.5	1.3 4.1 2.0 4.1
24 Fri	4:17a 10:41a 4:51p 10:52p	4.2 14.3 5.4 13.8	1.3 4.4 1.6 4.2
25 Sat	5:08a 11:23a 5:40p 11:46p	4.2 15.1 4.2 14.2	1.3 4.6 1.3 4.3
26 Sun	5:52a 11:59a 6:23p	4.4 15.8 3.2	1.3 4.8 1.0
27 Mon	12:33a 6:30a 12:33p 7:02p	14.4 4.7 16.2 2.5	4.4 1.4 4.9 0.8
28 Tue	1:15a 7:06a 1:06p 7:39p	14.5 5.1 16.4 2.1	4.4 1.6 5.0 0.6
29 Wed	1:54a 7:40a 1:37p 8:15p	14.5 5.6 16.4 2.0	4.4 1.7 5.0 0.6
30 Thu	2:32a 8:12a 2:08p 8:50p	14.2 6.1 16.2 2.1	4.3 1.9 4.9 0.6
31 Fri	3:09a 8:45a 2:38p 9:25p	13.9 6.7 15.8 2.5	4.2 2.0 4.8 0.8

DAY	TIME	FT	M
1 Sat	3:48a 9:18a 3:10p 10:02p	13.4 7.2 15.3 3.0	4.1 2.2 4.7 0.9
2 Sun	3:29a 8:54a 2:44p 9:41p	12.9 7.7 14.7 3.6	3.9 2.3 4.5 1.1
3 Mon	4:15a 9:38a 3:23p 10:25p	12.4 8.2 13.9 4.3	3.8 2.5 4.2 1.3
4 Tue	5:09a 10:35a 4:14p 11:16p	12.0 8.6 13.1 4.9	3.7 2.6 4.0 1.5
5 Wed	6:12a 11:50a 5:23p	11.9 8.7 12.4	3.6 2.7 3.8
6 Thu	12:19a 7:19a 1:09p 6:46p	5.3 12.2 8.4 12.1	1.6 3.7 2.6 3.7
7 Fri	1:26a 8:17a 2:19p 8:03p	5.5 12.8 7.5 12.2	1.7 3.9 2.3 3.7
8 Sat	2:26a 9:03a 3:16p 9:09p	5.5 13.6 6.2 12.6	1.7 4.1 1.9 3.8
9 Sun	3:17a 9:41a 4:04p 10:07p	5.3 14.6 4.7 13.2	1.6 4.5 1.4 4.0
10 Mon	4:02a 10:18a 4:48p 10:59p	5.2 15.7 3.2 13.9	1.6 4.8 1.0 4.2
11 Tue	4:45a 10:55a 5:32p 11:48p	5.2 16.7 1.8 14.5	1.6 5.1 0.5 4.4
12 Wed	5:28a 11:34a 6:16p	5.3 17.6 0.6	1.6 5.4 0.2
13 Thu	12:35a 6:12a 12:15p 7:01p	14.9 5.4 18.1 0.0	4.5 1.6 5.5 0.0
14 Fri	1:21a 6:57a 12:59p 7:48p	15.1 5.7 18.3 -0.2	4.6 1.7 5.6 -0.1
15 Sat	2:09a 7:44a 1:46p 8:37p	14.9 6.0 17.9 0.2	4.5 1.8 5.5 0.1

DAY	TIME	FT	M
16 Sun	3:00a 8:35a 2:37p 9:28p	14.6 6.4 17.2 1.0	4.5 2.0 5.2 0.3
17 Mon	3:55a 9:31a 3:33p 10:23p	14.2 6.8 16.2 1.9	4.3 2.1 4.9 0.6
18 Tue	4:54a 10:37a 4:37p 11:21p	13.8 7.1 15.0 3.0	4.2 2.2 4.6 0.9
19 Wed	5:57a 11:53a 5:48p	13.7 7.2 13.9	4.2 2.2 4.2
20 Thu	12:23a 7:01a 1:10p 7:05p	4.0 13.9 6.8 13.1	1.2 4.2 2.1 4.0
21 Fri	1:28a 8:01a 2:23p 8:20p	4.8 14.3 6.0 12.7	1.5 4.4 1.8 3.9
22 Sat	2:31a 8:55a 3:27p 9:29p	5.4 14.7 5.0 12.7	1.6 4.5 1.5 3.9
23 Sun	3:27a 9:42a 4:21p 10:30p	5.8 15.2 4.1 13.0	1.8 4.6 1.3 4.0
24 Mon	4:16a 10:24a 5:06p 11:22p	6.2 15.6 3.3 13.3	1.9 4.8 1.0 4.1
25 Tue	5:00a 10:18a 4:48p 10:59p	6.5 15.9 3.2 13.9	2.0 4.8 1.0 4.2
26 Wed	12:06a 5:40a 11:37a 6:23p	13.6 6.8 16.0 2.3	4.1 2.1 4.9 0.7
27 Thu	12:45a 6:17a 12:10p 6:58p	13.8 7.0 16.1 2.2	4.2 2.1 4.9 0.7
28 Fri	1:22a 6:52a 12:44p 7:33p	13.8 7.2 16.0 2.2	4.2 2.2 4.9 0.7
29 Sat	1:57a 7:27a 1:17p 8:07p	13.7 7.3 15.8 2.4	4.2 2.2 4.8 0.7
30 Sun	2:33a 8:03a 1:52p 8:42p	13.6 7.5 15.5 2.8	4.1 2.3 4.7 0.9

DAY	TIME	FT	M
1 Mon	3:11a 8:41a 2:29p 9:18p	13.4 7.7 14.9 3.2	4.1 2.3 4.5 1.0
2 Tue	3:51a 9:24a 3:10p 9:57p	13.2 7.9 14.3 3.7	4.0 2.4 4.4 1.1
3 Wed	4:36a 10:15a 3:56p 10:39p	13.0 8.0 13.6 4.3	4.0 2.4 4.6 1.3
4 Thu	5:24a 11:16a 4:52p 11:25p	13.0 8.0 12.9 4.9	4.0 2.4 3.9 1.5
5 Fri	6:15a 12:23p 5:58p	13.2 7.6 12.2	4.0 2.3 3.7
6 Sat	12:16a 7:06a 1:29p 7:13p	5.5 13.6 6.9 11.9	1.7 4.1 2.1 3.6
7 Sun	1:13a 7:54a 2:31p 8:21p	6.0 14.3 5.7 12.0	1.8 4.4 1.7 3.7
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10 Wed	4:08a 10:19a 5:12p 11:34p	6.6 16.9 1.6 13.8	2.0 5.2 0.5 4.2
11 Thu	5:02a 11:08a 6:02p	6.5 17.7 0.5	2.0 5.4 0.2
12 Fri	5:02a 11:58a 6:51p	6.5 18.2 -0.1	2.0 5.6 0.0
13 Sat	1:14a 6:45a 12:48p 7:39p	14.9 6.1 18.4 -0.3	4.5 1.9 5.6 -0.1
14 Sun	2:02a 7:36a 1:40p 8:27p	15.1 6.0 18.0 0.0	4.6 1.8 5.6 0.0
15 Mon	2:50a 8:30a 2:32p 9:14p	15.2 5.9 17.5 0.6	4.6 1.8 5.3 0.2

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17 Wed	4:28a 10:24a 4:22p 10:51p	15.0 6.1 15.2 2.8	4.6 1.9 4.6 0.9
18 Thu	5:19a 11:27a 5:23p 11:41p	14.9 6.1 13.9 4.2	4.5 1.9 4.2 1.3
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22 Mon	2:38a 8:57a 3:57p 10:17p	7.3 14.8 4.5 12.0	2.2 4.5 1.4 3.7
23 Tue	3:41a 9:48a 4:49p 11:14p	7.7 15.0 3.9 12.5	2.3 4.6 1.2 3.8
24 Wed	4:35a 10:34a 5:33p 11:59p	7.9 15.2 3.3 12.9	2.4 4.6 1.0 3.9
25 Thu	5:20a 11:17a 6:12p	7.8 15.5 2.8	2.4 4.7 0.9
26 Fri	12:37a 6:00a 11:55a 6:48p	13.3 7.6 15.7 2.5	4.1 2.3 4.8 0.8
27 Sat	1:11a 6:36a 12:32p 7:21p	13.6 7.4 15.9 2.3	4.1 2.3 4.8 0.7
28 Sun	1:44a 7:12a 1:07p 7:53p	13.8 7.2 15.9 2.3	4.2 2.2 4.8 0.7
29 Mon	2:16a 7:48a 1:43p 8:25p	13.9 7.1 15.7 2.5	4.2 2.2 4.8 0.8
30 Tue	2:49a 8:27a 2:19p 8:56p	14.0 7.0 15.4 2.7	4.3 2.1 4.7 0.8
31 Wed	3:23a 9:08a 2:57p 9:29p	14.0 6.9 14.8 3.2	4.3 2.1 4.5 1.0



## **2008-2009 Consultation Plan**

The Central Coast Salmon *2008 Post Season Review - 2009 Planning Framework* document will be distributed to First Nation and commercial fishing representatives at the Central Coast Advisory Board Meeting on December 3, 2008. It will also be distributed to local Bella Bella and Bella Coola commercial fishing representatives at post season meetings on November 27<sup>th</sup> & November 28<sup>th</sup> respectively. The document will be available to sport fishing representatives at their local SFAB sub-committee meetings and the North Coast Harvest Board at the Post Season Review Meeting in Prince Rupert.

The North Coast Integrated Salmon Harvest Planning Committee (IHPC) has been established by Fisheries and Oceans Canada (DFO) Pacific Region to provide formal advice and make recommendations to the Department on operational decisions related to salmon harvesting north of Cape Caution. This is part of a process to establish a more stream-lined, representative, cross sectoral advisory process for harvest planning, management and post-season review; and reflects commitments outlined in both the Improved Decision-Making discussion paper (2000) and the results of the Fraser River Sockeye Review (2002). Participants on the committee are nominated by their respective organizations/sectors, and those nominations are forwarded to the Department. During the post season review, input and advice will be sought after regarding: stock status - to ensure conservation goals are met; any problems encountered in the management and enforcement of the fishery; any unexpected actions during the year not covered in the fishing plan; any management or enforcement actions that will improve the fishery; and expected stock status for the coming year.

The annual Central Coast Advisory Board (CCAB) meeting will take place in Richmond on December 3, 2008. The *2008 Post Season Review and 2009 Planning Framework* document will be distributed to First Nation, recreational and commercial representatives at this meeting. Short presentations will be given on Central Coast commercial, recreational and food, social and ceremonial catch along with a review of fishery management, stock assessment and enforcement activities carried out this past season. Up-dates on recent DFO initiatives will also be provided in this forum. The resulting commercial fishery recommendations from the CCAB will be vetted through the Area C Gillnet and Area A Seine Area Harvest Committees.

### Commercial Fishery

The commercial fishery advisory structure is now composed of Local Area Harvest Committees (AHCs) and a Commercial Harvest Planning Committee (CHPC). The AHCs relay information to salmon vessel owners, bring forward advice from salmon vessel owners on local issues to the CHPC, consider issues raised by licensees and take action as required, provide advice and clarification on specific inputs into reports including fishery monitoring information, enforcement, etc., provide advice on the development of local fishing plans within the context of Integrated Fishery Management Plan development, and provide advice regarding changes to fishing plans. The AHCs have representatives on the CHPC. The Department will consider the CHPC the primary source of advice and consultations on issues affecting the commercial sector. The CHPC will develop draft commercial harvest plans for review by IHPC, consider issues raised at AHCs, and take action as required.

In-season meetings with local net fishermen continued in the Central Coast in 2008. A post season meeting with local net fishermen from Bella Bella will be held on November 27, 2008 at the Heiltsuk Co-management Office in Bella Bella. A post season meeting with local net fishermen Bella Coola will be held on November 28, 2008 at the Bella Coola Valley Inn.

The North Coast Salmon Post Season Review meeting will be held on December 8<sup>th</sup> in Prince Rupert. The AHC meetings for Area C Gillnet and Area A Seine are being held on December 9<sup>th</sup> and 10<sup>th</sup> in Prince Rupert.

### First Nations

First Nations participation on the IHPC is intended to co-ordinate the fishing plans of First Nations and other users of the resource. DFO recognizes that some issues are best addressed in bilateral processes. Negotiation of Food, Social and Ceremonial (FSC) harvest plans is not within the scope of the IHPC; this remains within the scope of the bilateral relationship between First Nations and DFO. With the complexity and large number of First Nations in each geographic area, it is understood that to fully represent all FSC interests would be difficult. The expectation is that First Nations representatives would possess a general perspective and understanding of FSC and harvest management issues in their areas.

The Central Coast First Nation representatives have been invited to the CCAB meeting in Vancouver on December 3, 2008. The Aboriginal Fisheries Strategy Joint Technical Committee meetings are planned for February 2009. These meetings will provide DFO with a forum in which to respond to any comments and concerns Central Coast First Nations have brought forward regarding the *2008 Post Season Review - 2009 Planning Framework* document.

### Sport Fishery

The Bella Coola sub-committee of the Sport Fish Advisory Board will meet in Bella Coola on November 28, 2008 to discuss the *2008 Post Season Review - 2009 Planning Framework* document. This group will meet again in April or May 2009 to respond to the comments and concerns that were brought forward regarding the *2008 Post Season Review - 2009 Planning Framework* and to up-date fishermen on recent DFO initiatives.

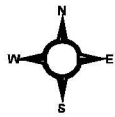
The Central Coast (Tidal) sub-committee of the Sport Fish Advisory Board will meet in Richmond on December 2, 2008 to discuss the *2008 Post Season Review - 2009 Planning Framework* document. This group will meet again in April or May 2009 to respond to the comments and concerns that were brought forward regarding the *2008 Post Season Review - 2009 Planning Framework* and to up-date fishermen on recent DFO initiatives.

The *2008 Post Season Review - 2009 Planning Framework* document will be made available at the North Coast Sport Fish Advisory Board on December 6 & 7, 2008 in Prince Rupert to provide information on Central Coast sport fishing activities.



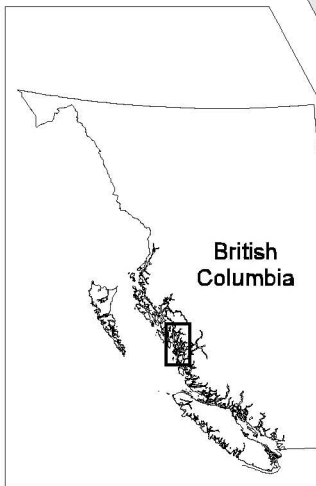
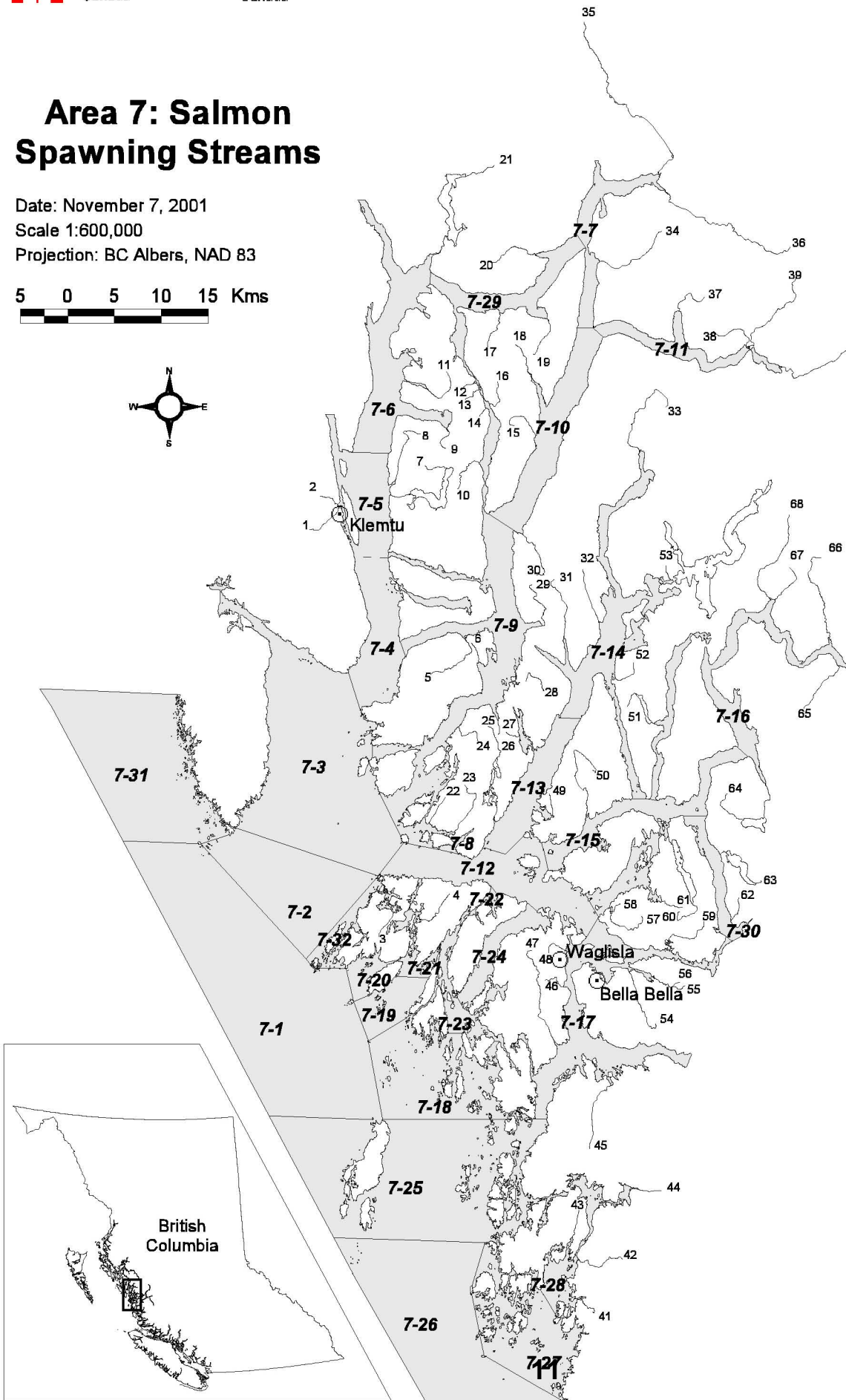
# Area 7: Salmon Spawning Streams

Date: November 7, 2001  
Scale 1:600,000  
Projection: BC Albers, NAD 83



### Stream Names

- 1 Kitasu Creek
- 2 Klemtu Creek
- 3 Sound Point Lagoon Creek
- 4 Wahgilah Creek
- 5 Bulley Bay Creek
- 6 Robinson #1 Creek
- 7 Lagoon Creek
- 8 Mary Cove Creek
- 9 Watson Bay Creek
- 10 Calder Creek
- 11 Bottleneck Creek
- 12 Gorilla Creek
- 13 Reak Creek
- 14 Peno Creek
- 15 Canyon Creek
- 16 Geish Creek
- 17 Duthie Creek
- 18 James Bay Creek
- 19 Windy Bay Creek
- 20 Bolin Bay Creek
- 21 Carter River
- 22 Tuno Creek West
- 23 Tuno Creek
- 24 Windfall Creek
- 25 Tankeeah River
- 26 Tom Bay Creek
- 27 Spiller Lagoon Creek
- 28 Nameless Creek
- 29 Salmon Bay Creek
- 30 Hird Point Creek
- 31 Neekas Creek
- 32 Chamiss Creek
- 33 Pine River
- 34 Korich Creek
- 35 Mussel River
- 36 Poison Cove Creek
- 37 Big Bay Creek
- 38 Big Creek
- 39 Kainet Creek
- 40 Lard Creek
- 41 Watt Creek
- 42 Kildidt Creek
- 43 Stewart Creek
- 44 Kildidt Lagoon #2 Creek
- 45 Cooper Inlet #1 Creek
- 46 Mcloughlin Creek
- 47 Ship Point Creek
- 48 Kwakiutl Creek
- 49 Hauser Creek
- 50 Kwakusdis River
- 51 Emily Creek
- 52 Bullock Channel #1 Creek
- 53 Eilersie Lagoon Creek
- 54 Kadjusdis River
- 55 Kunsoot River
- 56 Drew Creek
- 57 Sally Creek
- 58 Lilian Creek
- 59 Beale's Lagoon Creek
- 60 Deer Pass Creek
- 61 Deer Pass Lagoon #2 Creek
- 62 Goat Bushu Creek
- 63 Walker Lake Creek
- 64 Clatse Creek
- 65 Rainbow Creek
- 66 Quartcha Creek
- 67 Lee Creek
- 68 Roscoe Creek



<b>2008 POST SEASON SUMMARY AND ASSESSMENT</b>
<b>AREA 7 - BELLA BELLA SUB-DISTRICT</b>

**1. Preseason Expectations - Net Fishery:**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
Expected Return	N/A	N/A	40,000	280,000	N/A	N/A	N/A
Target Escapement	24,200	N/A	440,720	311,950	UNK	N/A	N/A
Surplus	N/A	N/A	0	90,000	N/A	N/A	N/A

Note: The total summary above, surpluses and deficits mask on one another. Surpluses are calculated from individual stocks.

**2. Postseason Catch**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
<u>Commercial Field Catches</u>							
Seine	0	0	0	0	0	0	0
Gillnet	0	0	0	0	0	0	0
Total Net	0	0	0	0	0	0	0
Troll	0	1,202	15	0	0	0	0
<u>Sport Catches</u>							
Tidal	1	6,434	65	52	1,906	0	0
Non-Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Total	1	6,434	65	52	1,906	0	0
<u>FSC Catches</u>							
Tidal	1,308	281	149	1,115	29	0	0
Non-Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Total	1,308	281	149	1,115	29	0	0

**3. Escapement**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
2008*	A/P	A/P	58,780	61,987	N/O	N/O	A/P
Target	24,200	N/A	440,720	311,950	N/A	N/A	N/A

**4. Commercial Fishery Stats:**

	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Date of CFB</u>	<u>Total Days Fishing</u>	<u>Total Accum Effort</u>
Seine	n/a	n/a	18-Sep	0	0
Gillnet	n/a	n/a	18-Sep	0	0
Troll	25-Jul		5-Sep	42	26

Commercial field net catches from in season catch database.  
N/A- not available. \* Recorded escapements

## 5. Commercial Net Fishery Summary:

The season was approached with caution given the preseason forecasts from poor pink brood year escapements and the bleak coast wide outlook for chum fry that went to sea in 2005. Area 7 fisheries traditionally start later than adjacent fishing Areas. Poor catches and escapements to Area 6 & 8 suggested that returns to Area 7 would be poor as well. Early in the season it was decided to wait until surpluses could be clearly identified before opening in Area 7. As a result Area 7 never opened to nets as returns fell well short of escapement targets.

## 6. Commercial Troll Fishery Summary:

On July 25<sup>th</sup> portions of Area 7 and 107 was opened for retention of coho and pink salmon. Area 7 & 107 closed 0001 hrs September 5<sup>th</sup> due to low coho returns. Sockeye, chum and chinook were closed in Areas 7 and 107 all year. Preliminary estimates are 26 vessel days for a total catch of 1,087 coho and 9 pink in Area 7 and for Area 107 one vessel reported for a catch of 115 coho & 6 pink. Estimates of catch and effort are expected to increase slightly.

## 7. Sport Fishery Summary:

Most of the sport fishing catch and effort in Area 7 came from charter operators and sport lodges. Private anglers operate throughout Area 7 but their catch was not reported. The main sport fishing activity took place in Milbanke Sound off of St. Johns Harbour and in Seaforth Channel between St. Johns and Idol Point.

The charter operators and sport lodges known to have operated in Area 7 in 2008 are summarized as follows:

- St. Johns Fishing Lodge - Floating lodge located in St. Johns Harbour
- West Coast Resorts - Floating resort located in Louisa Cove; SW corner of St. Johns Harbour
- The Parry - Converted fishing vessel / Travelling lodge
- Union Jack - Converted fishing vessel / Travelling lodge
- Ocean Explorer 1 - Converted fishing vessel / Travelling lodge
- Shearwater Resort - land based at Shearwater on Denny Island
- Pacific Lure - Marine Vessel based out of Shearwater Resort
- Central Coast Adventures - based out of Shearwater on Denny Island
- Big Time Fishing Lodge - floating lodge located in Mouat Cove
- Walls Fish Camp - based out of Ocean Falls
- Always An Adventure - Marine vessel based out of Bella Coola

- Edgewater Fortune - Converted naval vessel / Travelling lodge

A total of 1,906 Chinook and 6,434 coho were caught this season. This is compared to 4,031 Chinook and 7,566 coho in 2007. The Chinook catch per unit was approximately half of last year and below the 10 year average. The coho catch per unit increased over last year and is similar to 2005 and 2006. The coho limits have been 4/day and 8 in possession since 2002.

See Appendix II for a detailed summary of the reported catch information.

#### 8. First Nation Food, Social and Ceremonial Fishery Summary:

Communal Licences were issued to the Heiltsuk Tribal Council and Kitasoo/XAIXAI Nations for the 2008 fishing season. The Heiltsuk Fisheries Program administers the Heiltsuk food, social and ceremonial fisheries by issuing permits to individual band members and collecting catch statistics. Every Kitasoo Band member is eligible to fish under the Kitasoo Communal Licence and the Kitasoo Fisheries Program is responsible for collecting catch statistics.

Overall, the FSC sockeye harvest was extremely poor in 2008. The primary areas fished by the Heiltsuk for sockeye this season were Spiller Channel, Return Channel and Queens Sound. The primary areas fished by the Kitasoo/XAIXAI were, by species: sockeye - Talmoosa Creek, Canoona River, and Kwa Kwa River; coho - Canoona River and Trout Bay; and chum - Kitasu Creek.

See Appendix III for a more complete summary of catches for these fisheries.

#### 9. Escapement Summary:

##### Sockeye

The Heiltsuk Fisheries Program continued to monitor the Tinkey (Tankeeah) River sockeye escapement in 2008. The walks took place on the main spawning areas (estuary to 1<sup>st</sup> lake, between lakes & at the end of the 2<sup>nd</sup> lake) between August 21 and October 16. Sockeye began spawning in mid/late September and peaked in early October. The stock for the areas inspected is conservatively estimated at 3,100. In addition, the Heiltsuk Fisheries Program collected 71 sockeye for brood stock for an eggtake of approximately 100,000.

Other sockeye escapement estimates for this year include: Lagoon Creek - 230, Mary's Cove Creek - 180, Kadjusdis River - 260 and Kwakusdis River - 560. These estimates are considered to be

conservative because they are based on a single inspection of each system which included the main spawning areas but not necessarily all areas.

Pink

Pink escapements generally improved over their brood year escapement levels, although, they remained well below escapement targets. The commercial pink catch in the brood year was very limited as with this year which had no openings at all.

Chum

Chum returns to Area 7 streams were poor. No commercial chum fisheries took place in 2008 and escapements to wild stocks, on average, were less than 30 percent of their targets. Substantial chum populations do remain in all key streams inspected. Both the McLoughlin Bay and Klemtu Hatcheries met their egg targets with 2.6 and 1.37 million eggs respectively.

Coho

Overall, coho returns to Area 7 streams were below average to poor. There are estimates for the following systems: Quartcha - 650; Roscoe - 850; Lagoon - 225; and Kitasu Creek - 200. These estimates are conservative but comparable to past years as similar techniques for assessment have been used. Klemtu Hatchery exceeded its eggtake target with a total of 70,000 eggs and at the time of print for this document, McLoughlin Bay Hatchery was in the process of taking brood stock.

See Appendix IV for a summary of the 2008 escapements by stream.

10. Current Year/Target Escapement Comparison - Key Steams

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Mussel (Bear)	50,000	4,200
Kainet	75,000	6,250
Carter	10,000	6,550
James Bay	15,000	9,600
Nameless	20,000	N/I
Salmon Bay	20,000	7,000
Neekas	35,000	10,200
Kwakusdis	20,000	A/P
Kunsoot	10,000	A/P
Quartcha	8,000	500
Clatse	30,000	2,100
Cooper Inlet	20,000	N/I

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Mussel (Bear)	40,000	7,000
Kainet	50,000	9,000
Nameless	5,000	N/I
Salmon Bay	10,000	4,050
Neekas	30,000	8,200
Kwakusdis	20,000	A/P
Kunsoot	8,500	A/P
Roscoe	50,000	9,500
Quartcha	5,000	3,100
Clatse	10,000	1,700
Cooper Inlet	15,000	N/I

N/I- Not Inspected

N/O- Inspected but none observed

A/P- Inspected and species present, but no estimate of escapement available

11. Appendices:

- Appendix I - Area 7 Weekly Net Catch Summary for 2008  
(N/A - no openings in 2008)
- Appendix II - Area 7 Sport Fishery Catch Summary for 2008
- Appendix III - Area 7 First Nation Food, Social and  
Ceremonial (FSC) Fishery Catch Summary for 2008
- Appendix IV - Area 7 Escapement Summary for 2008

Appendix II - 2008 Area 7 Sport Lodge Weekly Catch

Wk #	Ending	Wk	RETAINED											RELEASED		
			Anglers	Sk	Co	Pk	Cm	Ck	Hal	Lng	Rk	Ad Co	Ck (L)	Ck (Sub)		
20	17-May		10	0	0	0	0	0	2	24	37	0	0	0		
21	24-May		31	0	0	0	0	0	6	24	45	0	0	0		
22	31-May		36	0	0	0	0	0	6	33	55	0	0	0		
23	07-Jun		46	0	0	0	0	0	10	27	42	0	0	0		
24	14-Jun		84	0	0	0	0	0	22	39	45	0	0	0		
25	21-Jun		170	0	3	0	0	0	15	30	80	0	0	0		
26	28-Jun		249	0	18	0	0	0	38	21	44	0	0	0		
27	05-Jul		180	0	23	3	0	0	42	16	12	0	0	0		
28	12-Jul		183	0	70	2	1	0	28	23	26	0	2	2		
29	19-Jul		220	0	170	7	0	0	58	28	67	0	0	0		
30	26-Jul		306	0	279	3	1	0	87	76	59	27	0	7		
31	04-Aug		785	0	715	19	2	0	164	123	170	10	0	1		
32	09-Aug		1,311	0	1,004	8	9	0	327	244	226	22	13	0		
33	16-Aug		1,265	0	1,292	7	12	0	401	173	241	11	15	4		
34	23-Aug		1,380	0	1,274	9	3	0	328	73	120	41	6	7		
35	30-Aug		1,204	1	1,190	4	17	0	125	82	182	27	4	0		
36	06-Sep		593	0	335	3	6	0	60	95	180	4	0	0		
37	13-Sep		202	0	61	0	1	0	12	42	63	4	0	8		
<b>Season Total</b>			<b>8,255</b>	<b>1</b>	<b>6,434</b>	<b>65</b>	<b>52</b>	<b>1,906</b>	<b>1,135</b>	<b>1,141</b>	<b>1,694</b>	<b>146</b>	<b>40</b>	<b>29</b>		

Ad - adult  
(L) - legal  
(Sub) - sublegal

Lodges/Resorts/Charter Vessels operating in Area 7

St John's Fishing Lodge, West Coast Resorts, Shearwater & Pacific Lure, Parry & Union Jack, Ocean Explorer I, Big Time Fishing, Walls Fish Camp, Edgewater Fortune, Central Coast Adventures and Always An Adventure

Appendix III - 2008 Kitasoo/XAIXAI - FSC Weekly Catches in Area 7

Week	Week Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Sthd. Kept
23	07-Jun							
24	14-Jun							
25	21-Jun							
26	28-Jun							
27	05-Jul							
28	12-Jul							
29	19-Jul							
30	26-Jul	7	131	30	6	12	0	0
31	04-Aug	7	36	0	0	0	0	0
32	09-Aug	3	3	8	0	0	0	0
33	16-Aug	4	25	19	5	0	0	0
34	23-Aug	4	0	4	0	4	0	0
35	30-Aug	12	0	19	0	1	0	0
36	06-Sep	2	0	0	0	18	0	0
37	13-Sep	22	0	19	0	198	0	0
38	20-Sep	20	0	63	0	150	0	0
39	27-Sep	15	0	48	0	150	0	0
40	04-Oct							
41	11-Oct							
<b>TOTAL</b>		<b>96</b>	<b>195</b>	<b>210</b>	<b>11</b>	<b>533</b>	<b>0</b>	<b>0</b>

2008 Kitasoo/XAIXAI - FSC Weekly Catches in Area 6

Week	Week Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Sthd. Kept
25	21-Jun	2	52	0	0	0	0	0
26	28-Jun							
27	05-Jul	1	240	0	0	0	0	0
28	12-Jul	9	747	63	2	1	0	1
29	19-Jul	2	126	4	2	0	0	
30	26-Jul	6	444	97	29	3	0	2
31	04-Aug	1	95	15	5	2	0	
32	09-Aug							
33	16-Aug	3	105	61	15	0	0	0
34	23-Aug							
35	30-Aug							
36	06-Sep	1	0	3	0	0	0	0
<b>TOTAL</b>		<b>25</b>	<b>1,809</b>	<b>243</b>	<b>53</b>	<b>6</b>	<b>0</b>	<b>3</b>

Appendix III - 2008 Heiltsuk - FSC Weekly Catches in Area 7

Week	Week Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Sthd. Kept
20	17-May	1	0	0	0	0	1	0
21	24-May	2	0	0	0	0	2	0
22	31-May	2	0	0	0	0	3	0
23	07-Jun	1	0	0	0	0	2	0
24	14-Jun	1	0	0	0	0	2	0
25	21-Jun	2	0	0	0	0	2	0
26	28-Jun	3	25	2	1	8	3	0
27	05-Jul	1	3	0	0	0	0	0
28	12-Jul	8	87	0	0	0	7	0
29	19-Jul	13	516	27	12	59	4	0
30	26-Jul	11	382	6	36	16	1	0
31	04-Aug	0	0	0	0	0	0	0
32	09-Aug	3	38	10	22	35	0	0
33	16-Aug	1	60	0	60	40	2	0
34	23-Aug	1	1	10	5	88	0	0
35	30-Aug	2	1	14	2	246	0	0
36	06-Sep	0	0	0	0	0	0	0
37	13-Sep	0	0	0	0	0	0	0
38	20-Sep	1	0	2	0	90	0	0
<b>TOTAL</b>		<b>53</b>	<b>1,113</b>	<b>71</b>	<b>138</b>	<b>582</b>	<b>29</b>	<b>0</b>

**Appendix IV  
Area 7 2008 Preliminary Escapements**

<b>FINLAYSON - MUSSEL CHANNEL</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
BOTTLENECK CREEK	N/I	N/I	A/P	A/P	N/P
CARTER RIVER	N/O	A/P	6,550	125	N/O
DUTHIE CREEK	N/O	A/P	3,600	2,850	N/P
GORILLA CREEK	N/O	N/O	A/P	A/P	N/P
GREEN BAY CREEK (BOLIN BAY CR.)	N/O	N/I	360	65	N/P
KITASOO CREEK	1	200	700	8,950	N/P
KORICH CREEK	N/P	N/O	A/P	A/P	N/P
LAGOON CREEK	230	225	50	85	N/P
MARY COVE CREEK	180	A/P	N/I	A/P	N/P
MUSSEL RIVER (BEAR R.)	A/P	A/P	4,200	7,000	N/O
POISON COVE CREEK	N/P	A/P	A/P	A/P	N/P
WINDY BAY CREEK	N/P	N/I	65	20	N/P
<b>Total</b>	<b>411</b>	<b>425</b>	<b>15,525</b>	<b>19,095</b>	<b>N/O</b>

<b>GUNBOAT - SEAFORTH - RETURN</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
BULLOCK CHANNEL CREEKS (4)	N/I	N/I	N/I	A/P	N/P
DEER PASS LAGOON CREEKS (2)	N/I	N/I	N/I	N/I	N/P
GOAT BUSHU CREEK	N/O	N/I	A/P	25	N/P
KAKUSHDISH CREEK (KADJUSDIS CR.)	260	A/P	A/P	250	N/P
KUNSOOT RIVER	N/I	N/I	A/P	A/P	N/P
KWAKUSDIS RIVER	560	N/I	A/P	A/P	N/P
SALLY CREEK	N/I	N/I	N/I	N/I	N/P
SCRIBNER CREEK	N/I	A/P	A/P	A/P	N/P
SOUND POINT LAGOON CREEK (YAAKLELE LAGOON)	N/I	N/I	N/I	N/I	N/P
TUNO CREEK EAST	N/I	N/I	N/I	N/I	N/P
TUNO CREEK WEST	N/I	N/I	N/I	N/I	N/P
WAHGILAH CREEK	N/I	N/I	N/I	N/I	N/P
WALKER LAKE CREEK	N/I	N/I	N/I	A/P	N/P
WEBSTER LAKE CREEK (DEER PASS CREEK)	N/I	N/I	A/P	90	N/P
<b>Total</b>	<b>820</b>	<b>A/P</b>	<b>A/P</b>	<b>365</b>	<b>N/P</b>

<b>KYNOCK</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
BIG CREEK	N/P	N/I	2550	2	N/P
FALLIS CREEK (DEBRISAY BAY CR.)	N/O	N/O	1,875	820	N/P
KAINET CREEK	A/P	A/P	6,250	9,000	N/O
LARD CREEK	A/P	A/P	40	1,475	N/P
<b>Total</b>	<b>A/P</b>	<b>A/P</b>	<b>10,715</b>	<b>11,297</b>	<b>N/O</b>

<b>MATHIESON CHANNEL</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
CANYON CREEK	N/O	N/I	1,200	900	N/P
HIRD POINT CREEK	N/O	N/I	1,200	610	N/P
JAMES BAY CREEK	A/P	A/P	9,600	A/P	N/P
NAMELESS CREEK	N/I	N/I	N/I	N/I	N/P
SALMON BAY CREEK	N/P	N/I	7,000	4,050	N/P
<b>Total</b>	<b>A/P</b>	<b>A/P</b>	<b>19,000</b>	<b>5,560</b>	<b>N/P</b>

<b>ROSCOE INLET</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
CLATSE CREEK	A/P	A/P	2,100	1,700	N/P
LEE CREEK	N/O	A/P	A/P	500	N/P
QUARTCHA CREEK	A/P	650	500	3,100	N/P
RAINBOW CREEK	N/P	N/O	N/O	65	N/P
ROSCOE CREEK	A/P	850	A/P	9,500	N/P
<b>Total</b>	<b>A/P</b>	<b>1,500</b>	<b>2,600</b>	<b>14,865</b>	<b>N/P</b>

**Area 7 2008 Preliminary Escapements**

<b>SOUTHERN GROUP - HUNTER ISLAND</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
COOPER INLET CREEKS (4)	N/I	N/I	N/I	N/I	N/P
FANNIE COVE LEFT HAND CREEK	N/O	N/O	660	200	N/P
MCLAUGHLIN BAY CREEK	N/P	270	N/O	1,355	N/P
<b>Total</b>	<b>N/O</b>	<b>270</b>	<b>660</b>	<b>1,555</b>	<b>N/P</b>

<b>SPILLER</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
CHEENIS LAKE CREEK	N/O	A/P	30	850	N/P
NEEKAS CREEK	N/O	A/P	10,200	8,200	N/P
PINE RIVER	N/I	N/I	A/P	A/P	N/P
TANKEEAH RIVER (TINKEY R.)	3,110	N/I	50	200	N/P
<b>Total</b>	<b>3,110</b>	<b>A/P</b>	<b>10,280</b>	<b>9,250</b>	<b>N/P</b>

<b>Total Area 7</b>	<b>4,341</b>	<b>2,195</b>	<b>58,780</b>	<b>61,987</b>	<b>N/O</b>
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N/I - Not inspected

N/O - Inspected but none observed

N/P - No population present

A/P - Inspected and species present, but no estimate of escapement available

AREA 7 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1960	175,550	112,475	288,025
1962	1,209,384	307,300	1,516,684
1964	627,628	353,650	981,278
1966	1,321,308	437,150	1,758,458
1968	824,063	562,325	1,386,388
1970	813,675	323,365	1,137,040
1972	1,316,500	269,150	1,585,650
1974	501,415	153,425	654,840
1976	486,539	263,740	750,279
1978	328,957	287,710	616,667
1980	421,954	229,821	651,775
1982	173,782	172,575	346,357
1984	121,614	170,220	291,834
1986	707,235	184,288	891,523
1988	396,449	272,440	668,889
1990	362,454	363,031	725,485
1992	59,642	267,194	326,836
1994	10,604	193,925	204,529
1996	20,403	225,371	245,774
1998	7,019	166,985	174,004
2000	2,365	189,900	192,265
2002	91,373	365,550	456,923
2004	139,742	240,580	380,322
2006	6,050	38,560	44,610
2008	0	58,780	58,780

AREA 7 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1961	553,194	333,475	886,669
1963	353,828	293,975	647,803
1965	602,811	111,535	714,346
1967	35,759	150,180	185,939
1969	40,597	234,585	275,182
1971	274,615	416,900	691,515
1973	383,541	182,650	566,191
1975	184,122	101,850	285,972
1977	287,406	292,720	580,126
1979	568,127	441,268	1,009,395
1981	938,989	290,420	1,229,409
1983	61,200	293,616	354,816
1985	888,470	328,142	1,216,612
1987	213,679	83,171	296,850
1989	32,063	284,076	316,139
1991	142,783	245,179	387,962
1993	17,203	275,828	293,031
1995	35,836	148,185	184,021
1997	26,815	191,675	218,490
1999	50,666	182,020	232,686
2001	142,184	427,460	569,644
2003	62,690	353,900	416,590
2005	27,728	222,675	250,403
2007	7,511	253,625	261,136

\*-Catches From B.C. Catch Statistics and field catch data.  
Net Catch Only.

AREA 7 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	124,751	118,475	243,226
1961	103,564	78,250	181,814
1962	258,507	235,825	494,332
1963	213,512	167,725	381,237
1964	292,970	218,675	511,645
1965	58,239	85,980	144,219
1966	289,316	448,917	738,233
1967	84,310	193,290	277,600
1968	373,007	333,275	706,282
1969	194,861	222,785	417,646
1970	797,822	372,550	1,170,372
1971	291,804	238,675	530,479
1972	633,657	266,000	899,657
1973	1,263,049	405,150	1,668,199
1974	550,360	228,090	778,450
1975	162,392	105,940	268,332
1976	149,014	95,735	244,749
1977	75,624	155,810	231,434
1978	332,921	267,750	600,671
1979	213,307	169,665	382,972
1980	396,854	97,567	494,421
1981	203,854	142,927	346,781
1982	255,636	200,882	456,518
1983	21,996	114,449	136,445
1984	217,813	144,762	362,575
1985	237,407	169,338	406,745
1986	329,523	150,662	480,185
1987	211,437	113,369	324,806
1988	313,274	216,935	530,209
1989	98,873	159,868	258,741
1990	213,116	151,348	364,464
1991	138,621	170,197	308,818
1992	49,129	57,335	106,464
1993	98,930	120,769	219,699
1994	190,852	112,748	303,600
1995	201,454	214,065	415,519
1996	65,119	230,765	295,884
1997	55,973	199,955	255,928
1998	99,883	322,330	422,213
1999	84,388	198,290	282,678
2000	33,387	169,520	202,907
2001	160,068	229,862	389,930
2002	237,348	217,780	455,128
2003	333,449	293,100	626,549
2004	416,283	299,316	715,599
2005	68,962	199,322	268,284
2006	27,479	156,208	183,687
2007	6,836	65,230	72,066
2008	0	61,987	61,987

\*-Catches From B.C. Catch Statistics and field catch data.  
Net Catch Only.

## 2009 SALMON PROSPECTS FOR THE SEASON – AREA 7

Pre-season forecasts and comparative 2008 forecasts.

			2009 Forecast			2008 Forecast	
Species	Stock	Escapement Target	Median			Median	Model
			10%	50%	90%	50%	
Pink	all	440,720	N/A	182,000	N/A	40,000	2009 - 5 yr avg rr 2008 – 5 yr avg rr
Chum	all	311,950	N/A	166,000	N/A	280,000	2009 - 5 yr avg rr 2008 - 5 yr avg rr

Note: Surpluses and deficits mask one another. Surpluses are calculated from individual stocks

**Pink:** 2008 pink returns showed an improvement over 2006 brood year strength. With recent fluctuations in marine survival there continues to be uncertainty in future forecasts. Based on the 5 year average return rate, there is a forecast of 182,000 (50%) pinks for 2009, with no available harvestable surpluses identified.

**Chum:** Area 7 chum returns are forecast to increase modestly in 2009 following a very low return in 2008. It is believed these low returns were due to a combination of heavy flooding in the fall of 2004 combined with poor early marine conditions encountered by juveniles in the spring of 2005. Available hatchery contribution surpluses are expected for McLoughlin and Kitasoo with additional surpluses predicted for the Mussel, Kainet, and Big Creek systems.

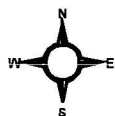
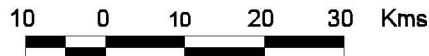


# Area 8: Salmon Spawning Streams

Date: November 7, 2001

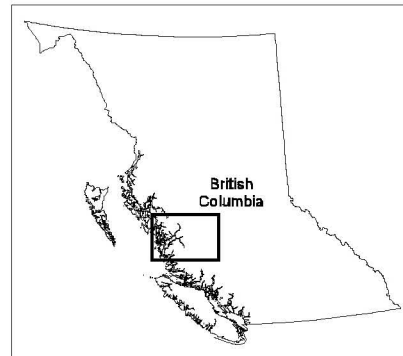
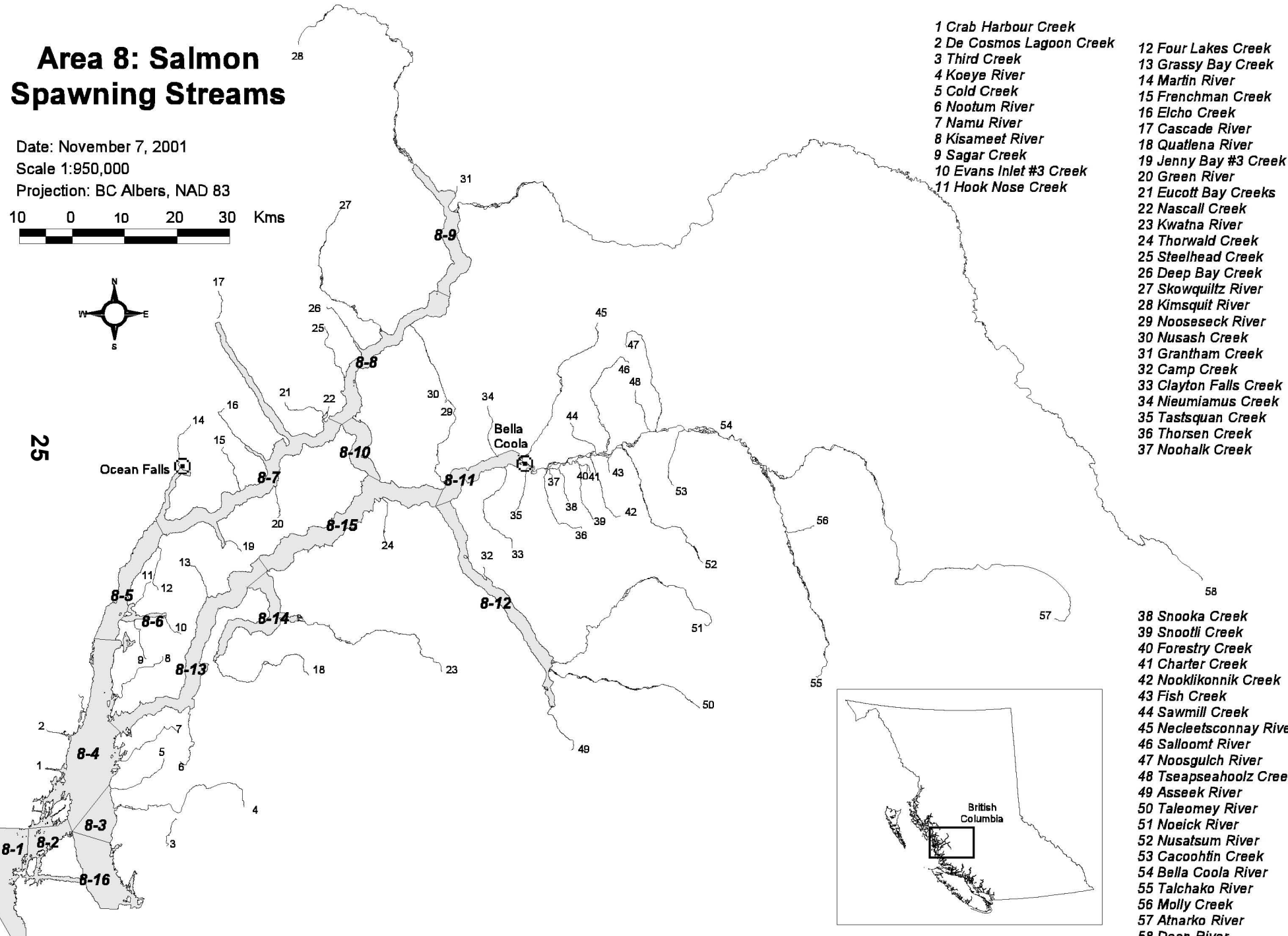
Scale 1:950,000

Projection: BC Albers, NAD 83



### Stream Names

- 1 Crab Harbour Creek
- 2 De Cosmos Lagoon Creek
- 3 Third Creek
- 4 Koeye River
- 5 Cold Creek
- 6 Nootum River
- 7 Namu River
- 8 Kisameet River
- 9 Sagar Creek
- 10 Evans Inlet #3 Creek
- 11 Hook Nose Creek
- 12 Four Lakes Creek
- 13 Grassy Bay Creek
- 14 Martin River
- 15 Frenchman Creek
- 16 Elcho Creek
- 17 Cascade River
- 18 Quatlana River
- 19 Jenny Bay #3 Creek
- 20 Green River
- 21 Eucott Bay Creeks
- 22 Nascall Creek
- 23 Kwatna River
- 24 Thorwald Creek
- 25 Steelhead Creek
- 26 Deep Bay Creek
- 27 Skowquiltz River
- 28 Kimsquit River
- 29 Nooseseck River
- 30 Nusash Creek
- 31 Grantham Creek
- 32 Camp Creek
- 33 Clayton Falls Creek
- 34 Nieumiamus Creek
- 35 Tastsquan Creek
- 36 Thorsen Creek
- 37 Noohalk Creek



- 38 Snooka Creek
- 39 Snootli Creek
- 40 Forestry Creek
- 41 Charter Creek
- 42 Nooklikonnik Creek
- 43 Fish Creek
- 44 Sawmill Creek
- 45 Necleetsconnay River
- 46 Salloomt River
- 47 Noosgulch River
- 48 Tseapseahoolz Creek
- 49 Asseek River
- 50 Taleomey River
- 51 Noeick River
- 52 Nusatsum River
- 53 Cacoohin Creek
- 54 Bella Coola River
- 55 Talchako River
- 56 Molly Creek
- 57 Athnako River
- 58 Dean River

<b>2008 POST SEASON SUMMARY AND ASSESSMENT</b>
<b>AREA 8 - BELLA COOLA SUB-DISTRICT</b>

<b>1. Preseason Expectations - Net Fishery:</b>							
	<u>Atnarko</u>						
	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Stld</u>
Expected Return	8,100	N/A	300,000	Below Avg	N/A	N/A	N/A
Target Escapement	75,000	N/A	1,475,400	267,450	42,600	N/A	N/A
Surplus	0	N/A	0	Yes	N/A	N/A	N/A

Note: The total summary above, surpluses and deficits mask one another. Surpluses are calculated from individual stocks.

<b>2. Postseason Catch</b>							
	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Stld</u>
<u>Commercial Field Catches</u>							
Seine	0	0	5,231	1,218	0	0	0
Gillnet	197	0	786	8,548	1,133	0	0
Total Net	197	0	6,017	9,766	1,133	0	0
Troll	0	0	0	0	0	0	0
<u>Sport Catches</u>							
Tidal	0	1,360	403	18	454	UNK	UNK
Non-Tidal	0	UNK	<500	<40	276	5	0
Total	0	1,360	N/A	N/A	730	5	UNK
<u>FSC Catches</u>							
Tidal	1,689	217	205	596	56	UNK	1
Non-Tidal	78	1,596	211	394	2,807	47	2
Total	1,767	1,813	416	990	2,863	47	3

<b>3. Escapement</b>							
	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Stld</u>
2008*	1,800	A/P	316,850	45,180	10,100	N/A	A/P
Target	138,750	N/A	1,475,400	267,450	42,600	N/A	N/A

<b>4. Commercial Fishery Stats:</b>					
	<u>Date of</u>	<u>Date of</u>		<u>Total</u>	<u>Total</u>
	<u>First</u>	<u>Last</u>	<u>Date of</u>	<u>Days</u>	<u>Accum</u>
	<u>Fishery</u>	<u>Fishery</u>	<u>CFB</u>	<u>Fishing</u>	<u>Effort</u>
Seine	14-Jul	21-Jul	14-Aug	2	9
Gillnet	02-Jun	21-Jul	14-Aug	6	306
Troll	25-Jul		05-Sep	42	0

Commercial field net catches from in season catch database.  
N/A - not available. \* Recorded escapements.

## 5. Commercial Net Fishery Summary:

The commercial fishing season in Area 8 started in the Bella Coola Gillnet Area on June 2<sup>nd</sup> for Chinook. Only 2 fisheries took place before closing for the week of June 16<sup>th</sup> because of poor returns. The fishery reopened June 23<sup>rd</sup> as escapements seemed to improve but was closed the following week over concern for chinook stock levels.

Area 8 opened again to gillnets on July 7<sup>th</sup> with a maximum mesh restriction of 165mm to restrict the catch of Chinook while allowing for a chum assessment fishery. On July 14<sup>th</sup> & 21<sup>st</sup> the Area opened to seines and gillnets. Chum & pink catches were poor and the Area closed with further openings dependant upon identifying a harvestable surplus. Chum & pink returns remained low and the area was closed for the balance on August 14<sup>th</sup>.

For the season, there were 6 gillnet & 2 seine openings for a total catch of 197 sockeye, 6,017 pink 9,766 chum and 1,133 Chinook.

See Appendix I for a complete summary of Area 8 weekly net catches.

## 6. Commercial Troll Fishery Summary:

On July 25<sup>th</sup> portions of Area 8 and 108 were opened for retention of coho and pink salmon. Area 8 & 108 closed 0001 hrs September 5<sup>th</sup> due to low coho returns. Sockeye, chum and chinook were closed in Areas 8 and 108. There was no reported harvest in Area 8 or 108, although further updates to the database are possible.

## 7. Sport Fishery Summary:

### Non-tidal

In 2008 the following river fisheries took place:

<u>River</u>	<u>Season</u>	<u>Target Species</u>
Atnarko	May - Jul	Chinook
Atnarko	Sep - Oct	Coho
Atnarko	Aug - Sep	Pink
Bella Coola	May - Jul	Chinook
Bella Coola	Jul - Sep	Pink
Bella Coola	Jul - Sep	Chum
Bella Coola	Sep - Nov	Coho
Dean	Jun - Jul	Chinook
Dean	Sep - Oct	Coho

Kimsquit	May - Jun	Chinook
Kimsquit	Aug - Oct	Coho
Kwatna	Aug - Oct	Coho
Martin	Sep - Oct	Coho

Sport fishing effort and catch in the Bella Coola and Atnarko Rivers was the lowest it has been in many years. The main reason for this was likely due to the low Chinook return coupled with such things as high fuel prices. The Chinook catch per unit effort in both the Bella Coola and Atnarko Rivers remained fairly high, perhaps due to a higher percent of local and experienced fishermen. The Atnarko River chinook sport fishery remained open until July 22<sup>nd</sup>.

Sport fishermen were allowed to keep 2 pink salmon and 1 chum salmon per day on the Bella Coola and Atnarko Rivers; however, due to low chum returns, on Aug 11<sup>th</sup> the Bella Coola and Atnarko Rivers went to non-retention for chum for the duration of the season. Catch monitoring for the pink and chum fishery was insufficient to provide weekly catch information. That said, past data coupled with this year's low effort would suggest that the retained pink catch was less than 500 and the chum catch less than 40.

The retention for coho remained at 2/day over 50cm. Catch monitoring effort during the coho season was not robust enough to make an effort and catch estimate; however, coho fishing was very poor in 2008. The reasons for the low catch and effort were similar to that for the chinook fishery (i.e. low returns and high fuel prices).

### Tidal

The main sport fishing effort in tidal water was concentrated in the Hakai Pass area by guests of the sport lodges in the area.

Chinook catch in the Hakai Pass area was down significantly this year compared to last year but the catch per unit effort was similar to 2007. A total of 454 Chinook were caught in 5,493 angler days this season and 809 Chinook were caught in 6,660 angler days in 2007. The 2008 catch per unit effort can also be compared to the 707 Chinook caught in 2000 but remains well below the 10 year average.

Coho sport fishing in Area 8 remained poor in 2008. A total of 1,360 coho were caught this season by sport lodges mainly in the Hakai Pass fishing area. This is approximately half of the 2007 catch (2,673) and catch per unit effort (0.40). The 2008 coho catch per unit effort is well below the 10 year average.

The coho limits have been 4/day and 8 in possession since 2002.

See Appendix II for a detailed summary of sport fish catches for this fishery.

## 8. First Nation Food, Social and Ceremonial (FSC)

### Fishery Summary:

Communal fishing licences were issued to all the First Nations fishing within Area 8. The various FSC fisheries occur in Area 8 are summarised below:

First Nation	Location	Season	Method	Target Species
Nuxalk	Bella Coola R.	Spring	Drift/Set	Chinook/Sockeye
Nuxalk	Bella Coola R.	Summer	Drift	Chum
Nuxalk	Bella Coola R.	Fall	Drift	Coho
Nuxalk	N. Bent/Burke	Summer	Comm Gn	Chin/Sock/Coho
Ulkatcho	Upper Bella Coola	Summer	Set net	Sockeye
Ulkatcho	Atnarko River	Spring	Set net	Chinook
Ulkatcho	Takia River	Summer	Gaff	Chinook
Heiltsuk	Fitz Hugh Snd.	Summer	Comm Gn	Sock/Chum/Chin
Heiltsuk	Fisher Channel	Summer	Comm Gn	Sockeye/Coho

See Appendix III for a detailed summary of catches for these fisheries.

## 9. Escapement Summary:

### Sockeye

The Atnarko River sockeye escapement estimate is made for an index area, all sections above Stillwater. The 2008 estimate is 900. Surveys included one helicopter inspection on Sept 22<sup>nd</sup> and a foot inspection on Sept 29. On Sept 4<sup>th</sup> and 5<sup>th</sup>, during Chinook surveys, another 140 sockeye (1/3 were spawning) were observed below Stillwater. This compares to last years count of 7 sockeye during the same Chinook surveys. Once again, the Nuxalk Fisheries Program collected Atnarko sockeye eggs - approximately 50,000 between Stillwater and Lonesome Lakes and 50,000 below Stillwater Lake.

The stream at the head of Koeeye Lake was inspected once for a count of 990 sockeye. At the time of the inspection it appeared to be early into the spawn and more sockeye could have moved into the stream later. Also, the stream that flows into Koeeye Lake (at about its mid point from the south) was not inspected. The Kisameet River was inspected once and the estimate of 200 is considered to be a minimum. Namu Lake tributaries, four in total, were inspected for an estimate of 700. The single inspection

appeared to be well timed (close to peak spawning) and the estimate likely reflects the real spawning population.

### Coho

Coho returns in the Bella Coola and Atnarko Rivers were poor. The preliminary estimate past the Atnarko Counting Tower this year was 4,000. This is the lowest estimate in the past 10 years but much better than the lows of 1997.

Foot surveys of the lower Bella Coola River tributaries were conducted starting in late October and are still ongoing at the time of printing this document (late November). The initial survey information from the lower Bella Coola tributaries indicates low returns. Flights of the Talchako, Bella Coola, and Nusatsum Rivers were not conducted because of weather conditions resulting in poor stream visibility.

Coho inspections to date for more coastal systems such as Cascade, Elcho, Martin and Frenchman, indicate poor returns with the possible exception of Elcho with a below average escapement of approximately 500.

The Bella Coola Valley coho egg take for Snootli Hatchery was on going at the time of printing this document however, over 90,000 eggs had been taken so far this season.

### Pink

Pink returns to the Atnarko River were better than the brood year; however, that does not appear to be the case for other Area 8 pink streams. Assessments for outside streams, particularly Koeye and Kwatna, were plagued with poor viewing conditions making it difficult to determine returns accurately. We do know for certain that returns were poor. The Atnarko Counting Tower was in operation again this year and the accuracy of the pink estimate is similar to past years.

### Chum

Chum returns to Area 8 streams were poor. In general, streams achieved approximately 30% of their targets. The spawning population of chum is still substantial and they appear to be well distributed among the systems. Snootli Hatchery in Bella Coola exceeded its eggtake target for a total of 7.9 million eggs.

## Chinook

The preliminary escapement estimate for Atnarko Chinook is approximately 9,000 adults. This year's estimate deviated from the traditional methodology of using the brood stock capture CPUE, the number of carcasses handled in the dead-pitch, and the peak drift count; as there were changes in the brood stock capture methods and the dead-pitch effort was lower than previous years. The final estimate was based solely on a comparison between the two drift counts.

The Dean River Chinook final escapement estimate of 1,100 adults is substantially lower than in previous years. The observations from six helicopter overflights were used in an area-under-the-curve escapement estimator (AUC) as consistent with previous methodology. From the flights, this system was poorly seeded with chinook, particularly in the upper tributaries. Conditions for the surveys were above average for the duration of the flights.

Snootli Creek Hatchery fell short of its Bella Coola/Atnarko eggtake target of 2.5 million but did attain in excess of 2 million eggs.

See Appendix IV for a summary of 2008 escapements by stream.

### 10. Current Year/Target Escapement Comparison - Key Streams:

(All estimates preliminary)

#### Sockeye Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola/Atnarko	75,000	900
Kimsquit	30,000	N/I

#### Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola/Atnarko	1,000,000	313,000
Kwatna	100,000	A/P
Koeye	100,000	A/P

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola	60,000 (summer) 20,000 (fall)	16,000 (summer) A/P (fall)
Kimsquit	60,000	18,000
Elcho	20,000	6,600
Cascade	12,000	2500+
Jenny Bay	6,000	850+
Martin	15,000	A/P

Chinook Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola/Atnarko	25,000	9,000
Dean	12,000	1,100

N/I- Not Inspected

N/O- Inspected but none observed

A/P- Inspected and species present, but no estimate of escapement available

11. Appendices:

- Appendix I - Area 8 Weekly Net Catch Summary for 2008
- Appendix II - Area 8 Sport Fishery Catch Summary for 2008
- Appendix III - Area 8 First Nation Food, Social and Ceremonial (FSC) Fishery Catch Summary for 2008
- Appendix IV - Area 8 Escapements for 2008
- Appendix V - Atnarko Tower Count for 2008  
(Expanded for 24 Hour Counts)

AREA 8

GN TOTAL CATCH

22-Nov-08

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
23	061	02-Jun-08	36	0	0	0	0	90	0	0
		TFW	36	0	0	0	0	90	0	0
		TTD	36	0	0	0	0	90	0	0
24	062	09-Jun-08	51	0	0	0	4	108	0	0
		TFW	51	0	0	0	4	108	0	0
		TTD	87	0	0	0	4	198	0	0
26	064	23-Jun-08	49	0	0	0	66	195	0	0
		TFW	49	0	0	0	66	195	0	0
		TTD	136	0	0	0	70	393	0	0
28	072	07-Jul-08	57	27	0	25	901	262	4	0
		TFW	57	27	0	25	901	262	4	0
		TTD	193	27	0	25	971	655	4	0
29	073	14-Jul-08	59	93	0	229	2107	325	0	0
		TFW	59	93	0	229	2107	325	0	0
		TTD	252	120	0	254	3078	980	4	0
30	074	21-Jul-08	54	77	0	532	5470	153	0	0
		TFW	54	77	0	532	5470	153	0	0
		TTD	306	197	0	786	8548	1133	4	0

## AREA 8

## BCGNA

## GN 'ATCH

22-Nov-08

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
23	061	02-Jun-08	36	0	0	0	0	90	0	0
		TFW	36	0	0	0	0	90	0	0
		TTD	36	0	0	0	0	90	0	0
24	062	09-Jun-08	51	0	0	0	4	108	0	0
		TFW	51	0	0	0	4	108	0	0
		TTD	87	0	0	0	4	198	0	0
26	064	23-Jun-08	49	0	0	0	66	195	0	0
		TFW	49	0	0	0	66	195	0	0
		TTD	136	0	0	0	70	393	0	0
28	072	07-Jul-08	37	0	0	0	174	167	4	0
		TFW	37	0	0	0	174	167	4	0
		TTD	173	0	0	0	244	560	4	0
29	073	14-Jul-08	42	2	0	6	982	267	0	0
		TFW	42	2	0	6	982	267	0	0
		TTD	215	2	0	6	1226	827	4	0
30	074	21-Jul-08	41	11	0	150	4231	124	0	0
		TFW	41	11	0	150	4231	124	0	0
		TTD	256	13	0	156	5457	951	4	0

AREA 8

F/FH

GN 'ATCH

22-Nov-08

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
28	072	07-Jul-08	20	27	0	25	727	95	0	0
		TFW	20	27	0	25	727	95	0	0
		TTD	20	27	0	25	727	95	0	0
29	073	14-Jul-08	17	91	0	223	1125	58	0	0
		TFW	17	91	0	223	1125	58	0	0
		TTD	37	118	0	248	1852	153	0	0
30	074	21-Jul-08	13	66	0	382	1239	29	0	0
		TFW	13	66	0	382	1239	29	0	0
		TTD	50	184	0	630	3091	182	0	0

AREA 8		SN		TOTAL CATCH						22-Nov-08	
Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead		
29 073	14-Jul-08	5	0	0	457	159	0	0	0		
	TFW	5	0	0	457	159	0	0	0		
	TTD	5	0	0	457	159	0	0	0		
30 074	21-Jul-08	4	0	0	4774	1059	0	0	0		
	TFW	4	0	0	4774	1059	0	0	0		
	TTD	9	0	0	5231	1218	0	0	0		

AREA 8

TOTAL NET CATCH

22-Nov-08

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
23 061	02-Jun-08	36	0	0	0	0	90	0	0
	TFW	36	0	0	0	0	90	0	0
	TTD	36	0	0	0	0	90	0	0
24 062	09-Jun-08	51	0	0	0	4	108	0	0
	TFW	51	0	0	0	4	108	0	0
	TTD	87	0	0	0	4	198	0	0
26 064	23-Jun-08	49	0	0	0	66	195	0	0
	TFW	49	0	0	0	66	195	0	0
	TTD	136	0	0	0	70	393	0	0
28 072	07-Jul-08	57	27	0	25	901	262	4	0
	TFW	57	27	0	25	901	262	4	0
	TTD	193	27	0	25	971	655	4	0
29 073	14-Jul-08	64	93	0	686	2266	325	0	0
	TFW	64	93	0	686	2266	325	0	0
	TTD	257	120	0	711	3237	980	4	0
30 074	21-Jul-08	58	77	0	5306	6529	153	0	0
	TFW	58	77	0	5306	6529	153	0	0
	TTD	315	197	0	6017	9766	1133	4	0

**Appendix II - 2008 Area 8 Sport Catch Figures (Bella Coola River - Weekly)**

<b>Week</b>	<b>Week Ending</b>	<b>Angler Days</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chin</b>	<b>Jack</b>	<b>Steel</b>
19	10-May	18	0	0	0	7	0	0
20	17-May	28	0	0	0	7	0	0
21	24-May	0	0	0	0	0	0	0
22	31-May	0	0	0	0	0	0	0
23	07-Jun	37	0	0	0	2	0	0
24	14-Jun	98	0	0	0	15	0	0
25	21-Jun	62	0	0	0	15	0	0
26	28-Jun	172	0	0	0	40	0	0
27	05-Jul	212	0	0	0	35	0	0
28	12-Jul	61	0	0	0	4	0	0
29	19-Jul	52	0	0	0	2	0	0
30	26-Jul	24	0	0	0	3	0	0
31	02-Aug	21	0	0	0	2	0	0
32	09-Aug	0	0	0	0	0	0	0
33	16-Aug	0	0	0	0	0	0	0
34	23-Aug	0	0	0	0	0	0	0
35	30-Aug	0	0	0	0	0	0	0
36	06-Sep	0	0	0	0	0	0	0
37	13-Sep	0	0	0	0	0	0	0
38	20-Sep	0	0	0	0	0	0	0
39	27-Sep	0	0	0	0	0	0	0
40	04-Oct	0	0	0	0	0	0	0
41	11-Oct	0	0	0	0	0	0	0
42	18-Oct	0	0	0	0	0	0	0
43	25-Oct	0	0	0	0	0	0	0
44	01-Nov	0	0	0	0	0	0	0
<b>TFY</b>		<b>785</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>132</b>	<b>0</b>	<b>0</b>

Catch monitoring information insufficient to make further estimates.

**Appendix II - 2008 Area 8 Sport Catch Figures (Atnarko River - Weekly)**

<b>Week</b>	<b>Week Ending</b>	<b>Angler Days</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chin</b>	<b>Jack</b>	<b>Steel</b>
19	10-May	0	0	0	0	0	0	0
20	17-May	0	0	0	0	0	0	0
21	24-May	0	0	0	0	0	0	0
22	31-May	0	0	0	0	0	0	0
23	07-Jun	28	0	0	0	14	0	0
24	14-Jun	21	0	0	0	11	0	0
25	21-Jun	21	0	0	0	11	0	0
26	28-Jun	42	0	0	0	21	0	0
27	05-Jul	145	0	0	0	32	0	0
28	12-Jul	49	0	0	0	11	0	0
29	19-Jul	110	0	0	0	26	5	0
30	26-Jul	70	0	0	0	18	0	0
31	02-Aug	0	0	0	0	0	0	0
32	09-Aug	0	0	0	0	0	0	0
33	16-Aug	0	0	0	0	0	0	0
34	23-Aug	60	0	45	0	0	0	0
35	30-Aug	0	0	0	0	0	0	0
36	06-Sep	0	0	0	0	0	0	0
37	13-Sep	0	0	0	0	0	0	0
38	20-Sep	0	0	0	0	0	0	0
39	27-Sep	0	0	0	0	0	0	0
40	04-Oct	0	0	0	0	0	0	0
41	11-Oct	0	0	0	0	0	0	0
42	18-Oct	0	0	0	0	0	0	0
43	25-Oct	0	0	0	0	0	0	0
44	01-Nov	0	0	0	0	0	0	0
<b>TFY</b>		<b>546</b>	<b>0</b>	<b>45</b>	<b>0</b>	<b>144</b>	<b>5</b>	<b>0</b>

Catch monitoring information insufficient to make further estimates.

Appendix II - 2008 Area 8 Hakai Pass Sport Lodge Weekly Catch

Wk #	Wk Ending	RETAINED											RELEASED			
		Anglers	Sk	Co	Pk	Cm	Ck	Hal	Lng	Rk	Ad Co	Ck (L)	Ck (Sub)			
26	28-Jun	18	0	0	0	2	0	0	0	0	0	0	0	0	0	0
27	05-Jul	143	0	3	1	18	26	45	77	0	0	0	0	0	0	0
28	12-Jul	510	0	24	16	31	197	82	210	0	0	0	0	0	0	0
29	19-Jul	743	0	30	59	51	245	169	459	0	0	0	0	0	0	0
30	26-Jul	641	0	61	112	29	133	89	271	0	0	0	0	0	0	0
31	04-Aug	527	0	98	54	45	159	77	245	0	0	0	0	0	0	0
32	09-Aug	683	0	96	50	79	278	125	370	0	0	0	0	0	0	0
33	16-Aug	700	0	244	26	80	152	55	232	0	0	0	0	0	0	0
34	23-Aug	709	0	451	55	83	166	68	314	0	0	0	0	0	0	0
35	30-Aug	610	0	283	18	36	119	59	139	0	0	0	0	0	0	0
36	06-Sep	209	0	70	12	0	53	30	64	0	0	0	0	0	0	0
<b>Season Total</b>		<b>5,493</b>	<b>0</b>	<b>1,360</b>	<b>403</b>	<b>18</b>	<b>454</b>	<b>1,528</b>	<b>799</b>	<b>2,381</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Ad - adult  
(L) - legal  
(Sub) - Sub-legal

Lodges/Resorts operating in the Hakai Pass area this season

The Cliffs at Hakai Beach, Hakai Lodge, Ole's West Coast Adventures, Joe's Salmon Lodge and Hakai Land & Sea.

**Appendix III - 2008 Lower Bella Coola River (Nuxalk Band) - FSC Weekly Catches**

	<b>Week</b>	<b>Number of</b>							<b>Sthd.</b>	<b>Sthd.</b>
<b>Week</b>	<b>Ending</b>	<b>Drifts</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>	<b>Jack</b>	<b>Released</b>	<b>Kept</b>
16	19-Apr									
17	26-Apr	0	0	0	0	0	0	0	0	0
18	03-May	0	0	0	0	0	0	0	0	0
19	10-May	6	0	0	0	0	4	0	0	0
20	17-May	8	0	0	0	0	8	0	0	0
21	24-May	55	0	0	0	0	15	1	0	0
22	31-May	67	0	0	0	0	45	5	0	0
23	07-Jun	84	0	0	0	0	131	3	0	0
24	14-Jun	129	0	0	0	4	160	3	0	1
25	21-Jun	172	1	0	0	5	324	3	0	0
26	28-Jun	177	0	0	0	23	337	7	1	0
27	05-Jul	168	0	0	0	74	532	9	0	0
28	12-Jul	141	3	1	2	64	392	7	0	0
29	19-Jul	125	12	8	110	162	618	8	0	0
30	26-Jul	46	29	2	97	55	222	1	0	0
31	02-Aug	0	0	0	0	0	0	0	0	0
32	09-Aug	0	0	0	0	0	0	0	0	0
33	16-Aug	0	0	0	0	0	0	0	0	0
34	23-Aug	0	0	0	0	0	0	0	0	0
35	30-Aug	19	0	366	0	0	0	0	0	1
36	06-Sep	1	0	50	0	0	0	0	0	0
37	13-Sep	40	0	812	0	0	0	0	0	0
38	20-Sep	15	0	181	0	0	0	0	0	0
39	27-Sep	4	0	174	0	0	0	0	0	0
40	04-Oct	0	0	0	0	0	0	0	0	0
41	11-Oct	1	0	27	0	0	0	0	0	0
	<b>TOTAL</b>	<b>1,258</b>	<b>45</b>	<b>1,594</b>	<b>209</b>	<b>387</b>	<b>2,788</b>	<b>47</b>	<b>1</b>	<b>2</b>

Appendix III - 2008 Upper Bella Coola River (Ulkatcho\* & Nuxalk Band) - FSC Weekly Catches

	Week	Number of							Sthd.	Sthd.
Week	Ending	Set Nets	Sockeye	Coho	Pink	Chum	Chinook	Jack	Released	Kept
16	19-Apr									
17	26-Apr									
18	03-May									
19	10-May									
20	17-May									
21	24-May									
22	31-May									
23	07-Jun									
24	14-Jun									
25	21-Jun									
26	28-Jun									
27	05-Jul									
28	12-Jul	N/A	8	0	0	0	5			
29	19-Jul	N/A	10	0	1	5	8			
30	26-Jul	N/A	15	2	1	2	6			
31	02-Aug									
32	09-Aug									
33	16-Aug									
34	23-Aug									
35	30-Aug									
36	06-Sep									
37	13-Sep									
38	20-Sep									
39	27-Sep									
40	04-Oct									
41	11-Oct									
42	18-Oct									
43	25-Oct									
44	01-Nov									
45	08-Nov									
<b>TOTAL</b>		N/A	<b>33</b>	<b>2</b>	<b>2</b>	<b>7</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>

N/A- not available

\* No Ulkatcho FSC Catches Reported in 2008

Appendix III - 2008 Reported Nuxalk Weekly Tidal FSC Catches

	Week	Days							
Week	Ending	Fished	Sockeye	Coho	Pink	Chum	Chinook	Jack	Sthd.
16	19-Apr								
17	26-Apr								
18	03-May								
19	10-May								
20	17-May								
21	24-May								
22	31-May								
23	07-Jun								
24	14-Jun								
25	21-Jun	3				1	7		
26	28-Jun								
27	05-Jul								
28	12-Jul	5	108	33	60	110	17		1
29	19-Jul								
30	26-Jul	1							
31	02-Aug	1							
32	09-Aug	1							
33	16-Aug	1							
34	23-Aug								
35	30-Aug								
36	06-Sep								
37	13-Sep								
38	20-Sep								
39	27-Sep								
40	04-Oct								
41	11-Oct								
42	18-Oct								
43	25-Oct								
44	01-Nov								
45	08-Nov								
<b>TOTAL</b>		<b>12</b>	<b>108</b>	<b>33</b>	<b>60</b>	<b>111</b>	<b>24</b>	<b>0</b>	<b>1</b>

Appendix III -- 2008 Heiltsuk FSC Weekly Catches in Area 8

Subareas 8-3 and 8-4 (S. of Walker Point) -- Koeye/Namu Area

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
27	05-Jul	6	172	33	18	67	11	0
28	12-Jul	3	177	14	17	55	5	0
29	19-Jul	10	642	5	45	30	0	0
30	26-Jul	4	77	5	45	40	0	0
31	04-Aug	2	55	10	0	106	0	0
32	09-Aug	0	0	0	0	0	0	0
33	16-Aug	1	6	4	20	45	1	0
34	23-Aug	1	38	0	0	44	0	0
<b>TOTAL</b>		<b>27</b>	<b>1,167</b>	<b>71</b>	<b>145</b>	<b>387</b>	<b>17</b>	<b>0</b>

Subareas 8-4 (N. of Walker Pt.) and 8-5.

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
25	21-Jun	1	1	0	0	1	0	0
26	28-Jun	0	0	0	0	0	0	0
27	05-Jul	2	79	32	0	8	1	0
28	12-Jul	1	240	33	0	52	12	0
29	19-Jul	0	0	0	0	0	0	0
30	26-Jul	2	85	26	0	12	0	0
31	04-Aug	1	9	16	0	25	0	0
32	09-Aug	1	0	6	0	0	2	0
<b>TOTAL</b>		<b>8</b>	<b>414</b>	<b>113</b>	<b>0</b>	<b>98</b>	<b>15</b>	<b>0</b>

**Appendix IV**  
**Area 8 2008 Preliminary Escapements**

<b>BURKE CHANNEL</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
KWATNA RIVER	N/I	N/I	A/P	A/P	N/I
NOOTUM RIVER	N/P	N/I	A/P	N/I	N/P
QUATLENA RIVER	N/I	N/I	N/I	A/P	N/P
<b>Total</b>	<b>N/I</b>	<b>N/I</b>	<b>A/P</b>	<b>A/P</b>	<b>N/O</b>

<b>DEAN CHANNEL</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
CASCADE RIVER	A/P	A/P	A/P	A/P	N/P
ELCHO CREEK	A/P	500	800	6,600	N/O
EUCOTT BAY CREEKS	N/I	N/I	A/P	A/P	N/P
FRENCHMAN CREEK	N/O	A/P	350	560	N/P
GREEN RIVER	N/P	N/I	N/I	N/I	N/P
JENNY BAY CREEKS (3)	N/I	A/P	A/P	A/P	N/P
MARTIN RIVER	N/I	A/P	A/P	A/P	N/P
STEELHEAD CREEK	N/I	N/I	N/I	N/I	N/I
<b>Total</b>	<b>A/P</b>	<b>500</b>	<b>1,150</b>	<b>7,160</b>	<b>N/O</b>

<b>FISHER - FITZ HUGH</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
EVANS INLET CREEKS	N/P	A/P	50	150	NP
FOUR LAKES CREEK	N/P	N/I	N/O	200	N/P
HOOK NOSE CREEK	A/P	A/P	150	870	N/P
KISAMEET RIVER	200	A/P	N/I	N/I	N/P
KOEYE RIVER	A/P	N/I	A/P	N/I	N/O
NAMU RIVER	700	N/I	N/I	N/I	N/P
SAGAR CREEK	N/P	N/I	A/P	350	N/P
<b>Total</b>	<b>900</b>	<b>A/P</b>	<b>200</b>	<b>1,570</b>	<b>N/O</b>

<b>NORTH BENTINCK</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
ATNARKO SPAWNING CHANNEL	N/I	N/I	N/I	N/I	N/I
BELLA COOLA RIVER	900	A/P	313,000	16,000	9,000
NECLEETSCONNAY RIVER	N/P	A/P	N/I	N/I	N/P
NOOSESECK RIVER	N/I	N/I	N/I	N/I	N/P
<b>Total</b>	<b>900</b>	<b>A/P</b>	<b>313,000</b>	<b>16,000</b>	<b>9,000</b>

<b>SOUTH BENTINCK</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
ASEEK RIVER	N/I	N/I	N/I	N/I	N/P
NOEICK RIVER	N/P	A/P	N/I	N/I	N/I
TALEOMY RIVER	N/I	N/I	N/O	A/P	N/I
<b>Total</b>	<b>N/I</b>	<b>A/P</b>	<b>N/O</b>	<b>A/P</b>	<b>N/I</b>

<b>UPPER DEAN CHANNEL</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
DEAN RIVER	A/P	A/P	2,500	750	1,100
DEEP BAY CREEK	N/P	N/I	N/I	N/I	N/P
KIMSQUIT BAY	N/P	N/P	N/P	1,700	N/P
KIMSQUIT RIVER	N/I	N/I	A/P	18,000	N/I
SKOWQUILTZ RIVER	N/I	N/I	N/I	N/I	N/P
<b>Total</b>	<b>A/P</b>	<b>A/P</b>	<b>2,500</b>	<b>20,450</b>	<b>1,100</b>

<b>Total Area 8</b>	<b>1,800</b>	<b>500</b>	<b>316,850</b>	<b>45,180</b>	<b>10,100</b>
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N/I - Not inspected

N/O - Inspected but none observed

N/P - No population present

A/P - Inspected and species present, but no estimate of escapement available

APPENDIX V- ATNARKO TOWER COUNT - 2008  
Expanded for 24 Hours- Preliminary

Date	Sockeye	Coho	Pink	Chum	Chinook
1-Aug	0	0	0	0	131
2-Aug	9	0	208	0	59
3-Aug	0	0	247	0	0
4-Aug	0	0	2,791	0	23
5-Aug	0	0	668	4	15
6-Aug	3	0	0*	0	15
7-Aug	0	0	251	2	23
8-Aug	0	4	142	0	5
9-Aug	0	0	445	0	10
10-Aug	3	12	1,560	11	27
11-Aug	3	5	5,446	9	79
12-Aug	0	0	10,997	22	109
13-Aug	0	125	16,504	16	50
14-Aug	0	26	0*	0	19
15-Aug	0	15	3,752	0	0
16-Aug	0	53	963	6	27
17-Aug	3	9	0*	4	0*
18-Aug	3	37	3,910	8	4
19-Aug	3	63	19,925	2	20
20-Aug	0	49	3,416	2	18
21-Aug	18	185	22,338	36	35
22-Aug	6	155	19,548	32	26
23-Aug	18	170	11,800	21	21
24-Aug	0	141	18,297	4	18
25-Aug	3	41	1,776	12	21
26-Aug	0	55	5,522	0	4
27-Aug	9	91	7,048	4	55
28-Aug	6	101	5,205	30	0
29-Aug	30	141	31,943	0	25
30-Aug	3	55	3,023	0	0
31-Aug	0	19	2,955	2	0
1-Sep	8	101	7,986	2	5
2-Sep	6	124	2,805	18	18
3-Sep	15	330	3,244	6	37
4-Sep	15	84	5,599	6	21
5-Sep	3	137	6,024	4	33
6-Sep	9	190	7,028	0	26
7-Sep	9	58	7,516	6	5
8-Sep	15	66	2,335	0	11
9-Sep	6	17	5,042	8	16
10-Sep	18	78	4,574	0	14
11-Sep	2	41	5,905	0	50
12-Sep	12	90	3,662	0	84
13-Sep	30	41	3,667	43	0

APPENDIX V- ATNARKO TOWER COUNT - 2008  
 Expanded for 24 Hours- Preliminary

Date	Sockeye	Coho	Pink	Chum	Chinook
14-Sep	6	57	2,778	1	28
15-Sep	24	48	4,322	0	33
16-Sep	4	78	4,252	2	73
17-Sep	6	24	3,354	0	75
18-Sep	18	7	2,390	0	9
19-Sep	18	48	1,823	14	0
20-Sep	4	238	2,967	0	22
21-Sep	3	102	3,096	0	248
22-Sep	0	35	2,196	0	31
23-Sep	0	78	2,447	2	43
24-Sep	3	65	3,235	0	31
25-Sep	3	59	1,585	0	31
26-Sep	3	94	2,228	0	124
27-Sep	3	70	1,754	4	31
28-Sep	0	25	1,559	2	155
29-Sep	0	0	1,639	0	0*
30-Sep	3	5	1,079	0	0
1-Oct	0*	3	3,823	0*	3
2-Oct	0*	3	274	0*	0
3-Oct	0	3	146	4	0
4-Oct	5	6	50	0	0
5-Oct	2	3	62	2	0
6-Oct	0	0	13	0	0
7-Oct	0	3	13	0	0
8-Oct	0	0	31	0	0
9-Oct	6	12	0	0	0
10-Oct	0*	4	0*	2	0
11-Oct	0	14	8	0	0
12-Oct	0	3	0	0	0
13-Oct	0	9	4	0	0
14-Oct	0	0	4	2	0
15-Oct	0	0	0	0	0
16-Oct	0	0	0	0	0
17-Oct	3	8	4	7	0
18-Oct	0	0	0	2	0
19-Oct	0	0	0	0	0
Total	379	4,017	313,206	362	2,095

0\* - indicates 6 hour counts that had negative numbers (net downstream movement of fish), so reported as zero

AREA 8 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1960	1,480,795	1,571,265	3,052,060
1962	12,144,042	3,910,088	16,054,130
1964	2,830,894	763,125	3,594,019
1966	2,120,002	939,850	3,059,852
1968	5,333,886	2,095,000	7,428,886
1970	2,012,361	731,100	2,743,461
1972	1,084,772	1,356,100	2,440,872
1974	2,765,920	1,469,400	4,235,320
1976	1,918,846	1,382,200	3,301,046
1978	1,685,105	2,293,475	3,978,580
1980	860,375	1,127,725	1,988,100
1982	39,178	195,590	234,768
1984	171,065	967,210	1,138,275
1986	3,420,738	3,271,535	6,692,273
1988	8,707,244	5,204,570	13,911,814
1990	3,635,064	2,759,835	6,394,899
1992	2,708,363	4,614,400	7,322,763
1994	561,940	367,790	929,730
1996	396,416	1,844,345	2,240,761
1998	520,841	626,245	1,147,086
2000	67,317	1,613,060	1,680,377
2002	1,229,750	2,002,805	3,232,555
2004	319,385	744,600	1,063,985
2006	56,379	238,995	295,374
2008	6,017	316,850	322,867

AREA 8 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1961	1,733,893	1,249,004	2,982,897
1963	2,018,970	748,425	2,767,395
1965	579,198	222,100	801,298
1967	20,017	66,310	86,327
1969	18,059	59,925	77,984
1971	35,813	257,150	292,963
1973	56,780	166,875	223,655
1975	90,486	150,100	240,586
1977	94,109	434,690	528,799
1979	682,007	1,123,325	1,805,332
1981	1,608,602	737,360	2,345,962
1983	785,966	1,420,270	2,206,236
1985	1,215,393	2,793,620	4,009,013
1987	397,181	383,056	780,237
1989	158,392	522,529	680,921
1991	114,161	2,399,345	2,513,506
1993	257,859	1,184,713	1,442,572
1995	236,520	629,099	865,619
1997	426,912	1,454,210	1,881,122
1999	128,066	937,230	1,065,296
2001	725,432	2,259,400	2,984,832
2003	714,549	1,069,100	1,783,649
2005	607,174	1,004,550	1,611,724
2007	218,218	749,100	967,318

\*-Catches From B.C. Catch Statistics and field catch  
Net Catch Only.

AREA 8 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	139,890	93,187	233,077
1961	171,459	92,965	264,424
1962	346,843	150,725	497,568
1963	318,880	236,650	555,530
1964	347,420	209,225	556,645
1965	48,903	13,600	62,503
1966	199,667	135,325	334,992
1967	90,056	90,500	180,556
1968	281,551	284,250	565,801
1969	97,924	84,600	182,524
1970	355,322	275,400	630,722
1971	60,495	82,875	143,370
1972	233,331	221,375	454,706
1973	251,163	277,775	528,938
1974	197,682	146,800	344,482
1975	134,519	83,575	218,094
1976	333,654	125,000	458,654
1977	79,524	122,950	202,474
1978	125,418	49,135	174,553
1979	209,301	99,485	308,786
1980	333,663	123,475	457,138
1981	302,602	107,090	409,692
1982	181,316	129,380	310,696
1983	330,157	155,045	485,202
1984	69,557	132,260	201,817
1985	525,808	220,865	746,673
1986	1,505,430	266,222	1,771,652
1987	520,155	138,170	658,325
1988	845,485	201,537	1,047,022
1989	236,943	121,789	358,732
1990	686,023	285,515	971,538
1991	234,988	84,607	319,595
1992	155,864	112,447	268,311
1993	186,617	133,188	319,805
1994	493,609	244,997	738,606
1995	708,638	204,550	913,188
1996	275,764	219,339	495,103
1997	234,803	196,375	431,178
1998	641,715	331,335	973,050
1999	179,812	188,800	368,612
2000	47,254	181,875	229,129
2001	312,774	175,200	487,974
2002	392,225	232,220	624,445
2003	670,992	380,100	1,051,092
2004	824,028	312,850	1,136,878
2005	272,992	142,350	415,342
2006	362,232	176,300	538,532
2007	250,765	146,400	397,165
2008	9,766	45,180	54,946

\*-Catches From B.C. Catch Statistics.  
Net Catch Only.

AREA 8 CHINOOK

YEAR	CATCH	ESC	TOTAL STOCK
1960	9,761	7,500	17,261
1961	13,116	15,000	28,116
1962	16,622	7,500	24,122
1963	17,259	20,000	37,259
1964	27,401	20,750	48,151
1965	22,904	24,250	47,154
1966	19,062	18,650	37,712
1967	22,131	29,250	51,381
1968	21,355	26,300	47,655
1969	12,299	13,900	26,199
1970	25,298	13,250	38,548
1971	11,762	33,400	45,162
1972	18,555	21,075	39,630
1973	30,910	19,950	50,860
1974	28,316	20,425	48,741
1975	30,680	8,425	39,105
1976	23,445	16,550	39,995
1977	13,430	15,600	29,030
1978	15,584	19,000	34,584
1979	26,248	9,100	35,348
1980	20,079	9,729	29,808
1981	12,779	8,100	20,879
1982	9,533	8,220	17,753
1983	16,260	9,230	25,490
1984	4,001	20,020	24,021
1985	10,718	32,110	42,828
1986	22,289	24,862	47,151
1987	7,156	15,956	23,112
1988	10,712	16,700	27,412
1989	4,586	24,635	29,221
1990	16,746	19,393	36,139
1991	9,524	20,410	29,934
1992	12,192	31,347	43,539
1993	8,758	36,900	45,658
1994	13,359	29,300	42,659
1995	10,463	33,110	43,573
1996	6,374	27,600	33,974
1997	3,344	19,450	22,794
1998	5,187	25,000	30,187
1999	4,077	26,800	30,877
2000	3,213	26,200	29,413
2001	4,587	27,795	32,382
2002	4,825	17,710	22,535
2003	2,647	18,715	21,362
2004	5,147	21,015	26,162
2005	6,179	20,700	26,879
2006	5,229	28,700	33,929
2007	5,416	13,300	18,716
2008	1,133	10,100	11,233

\*-Catches From B.C. Catch Statistics and field catch data  
Net Catch Only.

## 2009 SALMON PROSPECTS FOR THE SEASON – AREA 8

Pre-season forecasts and comparative 2008 forecasts.

			2009 Forecast			2008 Forecast	
Species	Stock	Escapement Target	Median			Median	Model
			10%	50%	90%	50%	
Pink	all	1,475,400	N/A	806,000	N/A	300,000	2009 - 5 yr avg rr 2008 - 5 yr avg rr
Chum	all	267,450	N/A	458,000	N/A	867,000	2009 - 5 yr avg rr
			N/A	296,000	N/A		2009 - 2 yr avg rr
Sockeye	Atnarko	75,000	26,000	4,500	800	8,100	2009 - 5 yr average 2008 - 5 yr average

Note: Surpluses and deficits mask one another. Surpluses are calculated from individual stocks

**Sockeye:** The preseason forecast is based solely on the 5 year average model which has performed well in other analyses. However, for Atnarko Sockeye, the 5 year average can be misleading as the 2007 and 2008 returns were much lower than expected, especially when compared to the brood years (escapements ranging from 18,000 to 50,000). For 2009, there is a 5 in 10 chance that the expected return of Atnarko River Sockeye will be 4,500.

A forecast was not conducted for Kimsquit sockeye due to an absence of escapement data.

**Pink:** Pink returns in 2008 were slightly above the forecast of 300,000. Marine survival is expected to be improved over the 2004 brood year. Forecast returns remain uncertain and no stream specific surpluses have been identified for 2009.

**Chum:** The 2009 forecast using the 5 year return rate model may be overly optimistic given recent poor returns. A more conservative forecast using an average of the 2 most recent years suggests a return of nearly 300,000. Potential surpluses remain the Bella Coola and Kimsquit rivers.

**Chinook:** Dean River brood year escapements were good and an average return is expected. Bella Coola/Atnarko enhanced returns and production from the modest brood year escapements are expected to provide an average return.



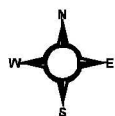
# Area 9: Salmon Spawning Streams

Date: November 7, 2001

Scale 1:550,000

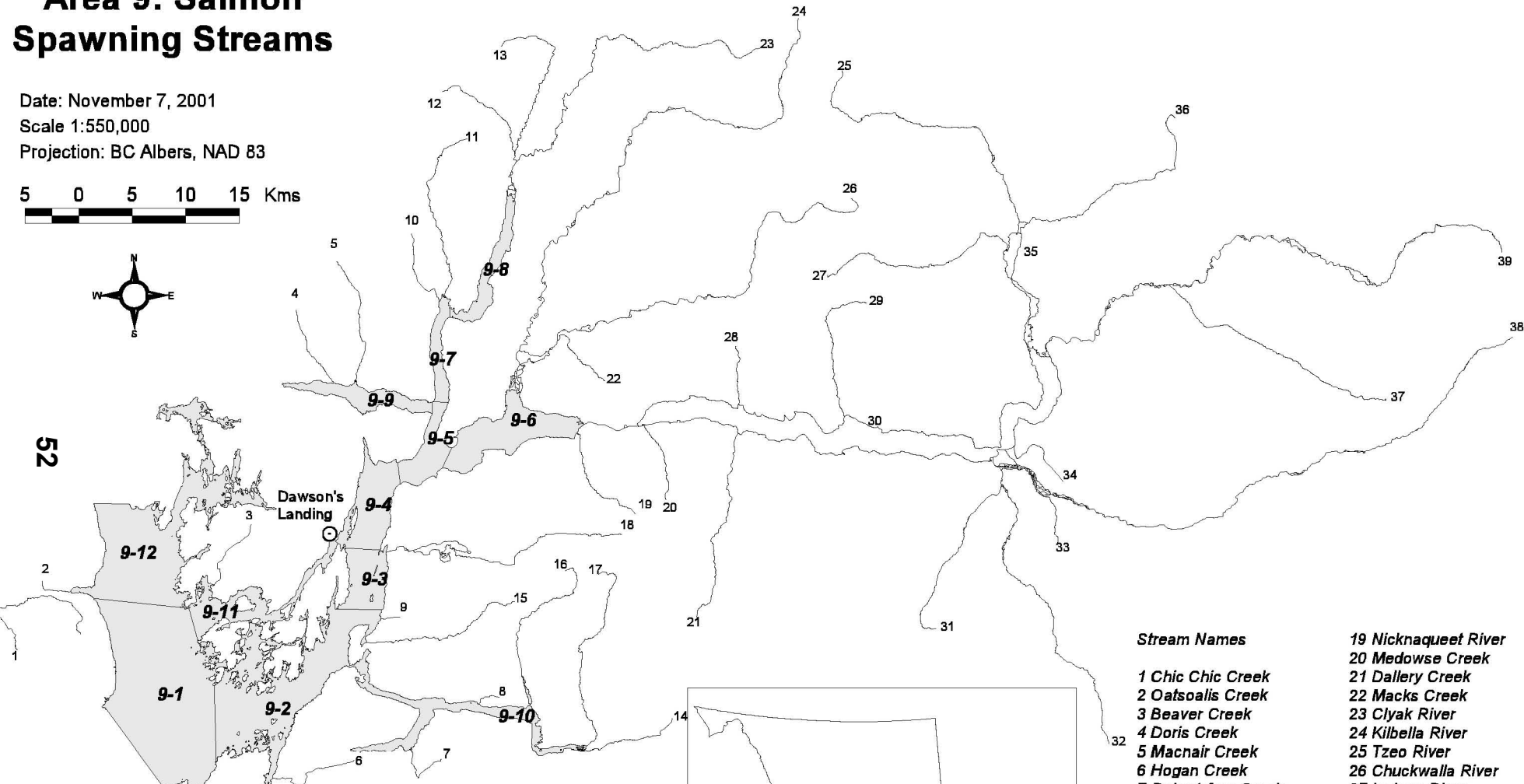
Projection: BC Albers, NAD 83

5 0 5 10 15 Kms



52

Dawson's  
Landing



**Stream Names**

- |                          |                      |
|--------------------------|----------------------|
| 1 Chic Chic Creek        | 19 Nicknaqueet River |
| 2 Oatsoalis Creek        | 20 Meadowse Creek    |
| 3 Beaver Creek           | 21 Dallery Creek     |
| 4 Doris Creek            | 22 Macks Creek       |
| 5 Macnair Creek          | 23 Clyak River       |
| 6 Hogan Creek            | 24 Kilbella River    |
| 7 Robert Arm Creek       | 25 Tzeo River        |
| 8 Perry Creek            | 26 Chuckwalla River  |
| 9 Newichy Creek          | 27 Inziana River     |
| 10 Inrig Creek           | 28 Amback Creek      |
| 11 Milton River          | 29 Ashlum Creek      |
| 12 Niel Creek            | 30 Owikeno Lake      |
| 13 Young River           | 31 Marble Creek      |
| 14 Draney Creek          | 32 Neechanz River    |
| 15 Johnston Creek        | 33 Clear Creek       |
| 16 Allard Creek          | 34 Genesee Creek     |
| 17 Lockhart Gordon Creek | 35 Wannock River     |
| 18 Sandell River         | 36 Washwash River    |
|                          | 37 Lemelo Creek      |
|                          | 38 Machmell River    |
|                          | 39 Sheemahant River  |



<b>2008 POST SEASON SUMMARY AND ASSESSMENT</b> <b>AREA 9- RIVERS INLET SUB-DISTRICT</b>
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**1. Preseason Expectations - Net Fishery:**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
Expected Return	122,300	N/A	44,000	138,000	N/A	N/A	N/A
Target Escapement	200,000	N/A	342,450	150,700	22,700	N/A	N/A
Surplus	0	N/A	0	65,000	N/A	N/A	N/A

Note: The total summary above, surpluses and deficits mask on one another. Surpluses are calculated from individual stocks.

**2. Postseason Catch**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
<u>Commercial Field Catches</u>							
Seine	0	0	0	0	0	0	0
Gillnet	0	0	0	0	0	0	0
Total Net	0	0	0	0	0	0	0
Troll	0	0	0	0	0	0	0
<u>Sport Catches</u>							
Tidal	0	2,854	518	26	549	UNK	UNK
Non-Tidal	0	UNK	0	0	UNK	UNK	UNK
Total	0	2,854	518	26	549	UNK	UNK
<u>FSC Catches</u>							
Tidal	1,682	0	0	0	0	0	0
Non-Tidal	2,596	51	12	10	126	23	3
Total	4,278	51	12	10	126	23	3

**3. Escapement**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
2008	83,000	A/P	15,270	2,800	A/P	N/A	N/O
Target	200,000	N/A	342,450	150,700	22,700	N/A	N/A

**4. Commercial Fishery Stats:**

	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Date of CFB</u>	<u>Total Days Fishing</u>	<u>Total Accum Effort</u>
Seine				0	0
Gillnet				0	0
Troll	25-Jul		5-Sep	0	0

N/A- not available

5. Commercial Net Fishery Summary:

The total sockeye return to Owikeno Lake is estimated at 83,000. The forecasted sockeye return to Owikeno Lake was estimated to be 122,300 this year, below the 200,000 target escapement. No commercial fishery targeting Rivers Inlet sockeye was contemplated in 2008.

6. Commercial Troll Fishery Summary:

On July 25<sup>th</sup> sub-area 109 was opened for the retention of coho and pink salmon. Area 109 closed 0001 hrs September 5<sup>th</sup> due to low coho returns. No catch or effort was reported in Area 109 for the 2008 season although further updates to the database are possible.

Sockeye, chum and chinook were closed in Area 109. No catch or effort observed in Area 109.

7. Sport Fishery Summary:

A total of 10 lodges operated in Rivers Inlet during the 2008 season. In Area 9, only 549 chinook were caught this season compared to the 1,290 chinook caught in 2007. The chinook catch per unit effort (CPUE) is approximately half of last year's and well below the 10 year average. Coho sport fishing in Area 9 was extremely poor in 2008. A total of 2,854 coho were caught this season compared to the 7,771 coho caught in 2007. The coho CPUE is similar to 2006 and approximately half of last year's. The coho CPUE is well below the 5 year average. The coho limits have been 4/day and 8 in possession since 2002.

See Appendix II for a more detailed summary of catches for this fishery.

8. First Nation Food, Social and Ceremonial Fishery Summary:

The forecasted sockeye return to Owikeno Lake was estimated to be 122,300 this year. The Wuikinuxv Nation's Communal Licence sockeye allocation is 4,500 pieces. A total of 4,278 sockeye, 51 coho, 12 pink, 10 chum and 149 chinook were harvested from Area 9.

See Appendix III for a complete summary of the WuiKinuxv Area 9 catch.

## 9. Escapement Summary:

### SOCKEYE

The Owikeno Lake sockeye adult enumeration program began in early September, with the first walk commencing on September 10<sup>th</sup>. The program continued until the last of the sampling was completed on October 15<sup>th</sup>. As in previous years, sockeye were enumerated during the River's Inlet chinook helicopter overflights. The first visual count of sockeye was made on August 22<sup>nd</sup> during a helicopter flight of the Inziana River. The timing of the arrival was similar to recent years and a few fish appeared to be spawning in the lower section only. Overall, the length of the spawning time appeared to be elongated this year, as there were still fresh fish in the Amback, Dallery, and Neechanz systems upon completion of the field operations. Weather and water conditions, which had cooperated for the majority of the program, were such that inspections beyond mid-October were highly unlikely. The WuiKinuxv Fisheries program conducted a couple of inspections of Amback Creek in late October and early November.

An estimated escapement of 83,000 sockeye reached the tributaries of Owikeno Lake in 2008. Water conditions, for most of September and early October, were conducive for instream inspections.

The two-boat trawl surveys were not conducted in the fall of 2008.

### COHO

The coho arrival timing for most of the systems in River's Inlet appeared to be later this year. The bulk of the Charter Patrol inspections were conducted in September, when the fish normally start to arrive to most systems. From the walks there was presence noted, but for the most part, the later arrival left some streams reported as not inspected. Overall, for the month of September, water conditions were favorable for counting and not for coho migration. There were some attempts at later inspections in early October, but mostly to enumerate the later part of the pink and chum spawn. For the most part, only the lower reaches and intertidal areas were enumerated.

Given the assumed later arrival timing of coho this year, there were some early observations of coho holding in the Clyak (65) and Johnston (35) systems in mid-September. In addition, at the time of printing this document, coho brood stock was collected from Johnston Creek for a second consecutive year. The eggs were to be transported to Snootli Creek Hatchery for incubation and rearing.

Early signs of coho were noted to a couple of the Owikeno Lake tributaries. Coho were present holding in the Amback, Neechanz, and Washwash Rivers in early to mid-September. The WuiKinuxv Fisheries crew did not observe any significant movements of coho into Amback Creek at the end of the sockeye migration in early November.

During the chinook helicopter overflights of the Chuckwalla and Kilbella Rivers, incidental observations of coho were recorded in mid-September. There were 420 observed holding in the Chuckwalla River and another 60 observed holding in the Kilbella River. Another flight was conducted in late October while weather and water conditions were somewhat favourable. As water conditions were not ideal, only observations were reported, as the observers did not feel comfortable with expanding the counts. There were 600 coho in the Chuckwalla River and 300 in the Kilbella River. Another coho flight is planned for late November.

#### PINK

As with most of the Central Coast streams, pink returns to Area 9 stream were extremely poor. With the exception of the Chuckwalla and Kilbella, most of the streams in River's Inlet had very low to negligible returns. Only presence was noted to most streams that were surveyed. This was not surprising, as most systems were walked intermittently (ie. long duration between inspections) and not to their fullest extent. However, even given the lower level of effort in Area 9, pink returns were depressed. For example, large observations of pinks during normal run timings were Nicknaquet River (40), Milton River (190), MacNair Creek (35), and the Clyak River (495).

The Chuckwalla and Kilbella Rivers did have larger returns (than most systems), but they were still poor. From the helicopter overflights, escapement estimates to the Chuckwalla and Kilbella Rivers were 10,000 and 5,000 pinks respectively.

Pink returns to the Owikeno Lake tributaries were poor. There are usually observations of pinks in the Ashlum, Amback, Dallery, Neechanz, and Genesee systems, either during the sockeye enumerations or from the chinook helicopter overflights. This year there were no observations of pinks. This was to be expected, given the poor returns of pinks to other Central Coast streams, the poor brood year strength of the Owikeno tributaries, and the recent later start of the sockeye program.

## CHUM

As with other Central Coast streams, returns of chum to River's Inlet were poor. From the chinook overflights, there were an estimated 2,500 and 300 chum that spawned in the Chuckwalla and Kilbella Rivers. This was down drastically from the previous six years of annual returns that were greater than 20,000 to the Chuckwalla and 5,000 to the Kilbella.

Inspections of other River's Inlet streams indicated mostly presence and not abundance. The long duration between the inspections, poor water conditions, and short survey lengths all contributed to the lack of final escapement estimates. However, given the observations that were made during historical run timings, returns to these systems were poor. For example, chum observations by stream were: MacNair 178, Lockhart Gordon 520, Draney 252, and Clyak 157.

In the Owikeno Lake tributaries, there were two chums reported in Ashlum Creek. In other years, observations of chums have been noted in the Neechanz, Dallery, and Washwash systems. However, in recent years, escapement estimation has shifted towards early flights which might not see small populations of chum, and walks that begin later in the chum run timing.

## CHINOOK

As in previous years, the summer chinook stocks of Owikeno Lake and the Chuckwalla and Kilbella Rivers were monitored using aerial surveys. A total of five helicopter overflights were performed and the area-under-the-curve (AUC) escapement estimator was used to generate the annual estimates. The 2008 returns were consistent with the 2007 escapements for almost all systems inspected. No biosamples were collected from any of the streams.

### Chuckwalla River:

The 2008 escapement estimate for chinook was 180 adults. Flight and viewing conditions ranged from good for early flights to optimum for later flights. Seeding was light and inconsistent with previous years as there were few spawners or redds observed in the upper reaches above the canyon. Usually the pink and chum abundance is such that observed efficiency is low when enumerating the chinook. But given the weak returns of pink and chum and the excellent viewing conditions, the estimate is of high resolution.

### Kilbella River:

The final escapement of 350 adults is of medium resolution. Flight and viewing conditions were fair to good as this river, though a glacial system was quite clear for all of the surveys.

The only trouble encountered with the flights was issues with glare and shade for upper sections of the river. In comparison with historical observations, seeding was light but spawners were observed in most of the usual places throughout the system.

Ashlulm Creek:

The final escapement of 70 adults is of low reliability. River conditions (stream visibility) were good for all of the flights but a "dense" canopy (tall trees lining the banks of a small system) and the required flight path hinder accurate observation of spawning habitat. Unless water levels are optimum, chinook are difficult to enumerate as they concentrate in pools or areas that can be difficult to enumerate from above. Chinook were observed throughout the system and were in areas consistent with previous years.

Neechanz Creek:

The final escapement of 100 adults is of low reliability. Glare and turbid river conditions were consistent factors in 2008 and have been considered in the escapement equation. Few fish were observed in the lower reaches but the lower river survey was often subject to poor lighting conditions (glare). Spawners observed above the "upper bridge" were sighted in familiar locations consistent with other years.

Tzeo River:

The final escapement of 90 adults is of low reliability. With exception of the final flight, this system remained quite turbid throughout the survey period. Also, it was taken into consideration that the aerial survey for the anticipated peak of spawn (September 8) was conducted late in the afternoon, and in deteriorating lighting conditions. It was noted on the final flight that, according to redd counts, this system was poorly seeded.

Dallery Creek:

Due to flight time and fuel considerations there were only three partial flight surveys conducted on this system. In consideration of the timing and actual viewing of historic spawning areas during these surveys, this system was considered "not inspected". Unfortunately, no visual ground surveys of the known spawning areas were conducted in mid-September.

Washwash River:

There were two chinook observed during a visual foot survey for sockeye. They were observed in their historical spawning location, below the upper cascades near the cable car/water survey site. Only "suspect redds" were observed.

Amback Creek:

No aerial inspections were conducted during 2008. Historically, numbers are low and quite variable, and aerial surveys are not effective due to dense canopy cover. There were several foot surveys for sockeye between late September and late October, however, no Chinook were observed during these surveys.

Inziana River:

Chinook were not observed during four aerial inspections and several foot surveys of the system. The Inziana is heavily glaciated and this makes it difficult to enumerate smaller populations. Historical observations indicate that this system supports a very small population of chinook, although none have been observed for years.

Marble Creek:

No aerial or ground inspections occurred for 2008.

Wannock River:

The Wannock River Chinook dead-pitch is still ongoing and is expected to be completed by late November. Early reports indicate that returns may be similar or better than recent years.

See Appendix IV for the 2008 escapements by stream.

10. Current Year/Target Escapement Comparison - Key Streams:

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Clyak/Neil/Young	50,000	A/P
Chuckwalla River	100,000	10,000
Johnston Creek	90,000	A/P
Kilbella River	50,000	5,000

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Clyak/Neil/Young	40,000	A/P
Draney/Lockhart/Gordon	20,000	A/P
MacNair Creek	4,500	A/P
Wannock River	40,000	A/P

N/I- Not Inspected

N/O- Inspected but none observed

A/P- Inspected and species present, but no estimate of escapement available

11. Appendices:

- Appendix I - Area 9 Weekly Net Catch Summary for 2008 N/A
- Appendix II - Area 9 Sport Fishery Catch Summary for 2008
- Appendix III - Area 9 First Nation Food, Social and  
Ceremonial (FSC) Fishery Catch Summary for 2008
- Appendix IV - Area 9 Escapement Summary 2008

Appendix II - 2008 Area 9 Sport Lodge Weekly Catch

Wk #	Ending	Wk Anglers	RETAINED										RELEASED		
			Sk	Co	Pk	Cm	Ck	Hal	Lng	Rk	Ad Co	Ck (L)	Ck (Sub)		
26	28-Jun	106	0	0	0	0	8	8	12	13	0	0	5		
27	05-Jul	219	0	6	3	0	11	48	33	99	0	0	1		
28	12-Jul	573	0	33	35	3	27	197	89	147	0	0	1		
29	19-Jul	920	0	125	128	1	41	173	83	189	0	0	103		
30	26-Jul	941	0	160	110	4	37	196	67	187	16	1	111		
31	04-Aug	1580	0	260	124	4	53	198	63	175	3	0	52		
32	09-Aug	1968	0	510	70	7	105	250	77	340	0	0	58		
33	16-Aug	2125	0	403	19	3	119	281	74	277	1	1	77		
34	23-Aug	1894	0	584	16	4	99	210	74	225	6	4	39		
35	30-Aug	1499	0	572	11	0	37	154	45	189	2	0	52		
36	06-Sep	996	0	185	2	0	12	184	96	381	2	0	26		
37	13-Sep	207	0	16	0	0	0	36	32	74	0	0	7		
Season Total		<b>13,028</b>	0	<b>2,854</b>	518	26	<b>549</b>	1,935	745	2,296	30	6	532		

Ad - adult  
(L) - legal  
(Sub) - sublegal

Lodges/Resorts operating in Area 9

Rivers Inlet Resort, King Salmon, Good Hope Cannery, Black Gold, Rivers Inlet Sportsman Club,  
Big Springs Resort, Bucks Trophy Lodge, Rivers Lodge, Legacy Lodge, Duncaby Lodge & Marina

Appendix III - 2008 WuiKinuxv (Oweekeno) - FSC Catch in Area 9

	Effort*						Chinook	Sthd.
Month	Drifts/Sets	Sockeye	Coho	Pink	Chum	Chinook	Jacks	Kept
July	18	489	6	5	2	10	10	0
August	182	3,637	21	7	8	47	12	0
September	6	17	24	0	0	8	0	0
October	18	135	0	0	0	61	1	3
	<b>224</b>	<b>4,278</b>	<b>51</b>	<b>12</b>	<b>10</b>	<b>126</b>	<b>23</b>	<b>3</b>

\*Effort counts are an estimate

**Appendix IV  
Area 9 Preliminary Escapements 2008**

<b>STREAM NAME</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
ALLARD CREEK	N/P	N/I	N/O	A/P	N/P
AMBACK CREEK	11,699	A/P	N/O	N/I	N/O
ASHLUM CREEK	6,626	N/I	N/O	A/P	70
BEAVER CREEK	N/I	N/I	A/P	N/O	N/P
CHUCKWALLA RIVER	N/I	A/P	10,000	2,500	180
CLYAK, NEIL, & YOUNG RIVER	N/I	A/P	A/P	A/P	N/I
DALLERY CREEK	10,020	N/I	N/O	A/P	N/I
DRANEY CREEK	N/O	N/I	N/O	A/P	N/P
GENESEE CREEK	95	N/O	N/O	N/O	N/O
INZIANA RIVER	4,295	N/I	N/O	N/P	N/O
JOHNSTON CREEK	N/O	A/P	A/P	N/O	N/P
KILBELLA RIVER	N/I	A/P	5,000	300	350
LOCKHART GORDON CREEK	N/O	A/P	N/O	A/P	N/P
MACNAIR CREEK	N/P	N/I	A/P	A/P	N/O
MILTON RIVER	N/I	N/I	270	A/P	N/P
NEECHANZ RIVER	3,403	A/P	N/O	N/O	100
NICKNAQUEET RIVER	N/P	N/I	A/P	A/P	N/O
TZEO RIVER	852	N/I	N/I	N/I	90
WANNOCK RIVER AND FLATS	A/P	N/I	N/I	A/P	A/P
WASHWASH RIVER	6,620	A/P	N/O	N/O	2
OTHERS*	N/I	N/I	N/I	N/I	N/P
<b>Total Area 9</b>	<b>83,000**</b>	<b>A/P</b>	<b>15,270</b>	<b>2,800</b>	<b>A/P***</b>

N/I - Not inspected

N/O - Inspected but none observed

N/P - No population present

A/P - Inspected and species present, but no estimate of escapement available

\*Hogan Creek, Newichy Creek & Tzeeiskay Creek

\*\*Estimated total based on 3X expansion of Clear Stream Indices (Ashlum, Dallery, Inziana, Washwash & Genesee)

\*\*\*No total pending Wannock River estimate

## Historic Catch and Escapement

### AREA 9 SOCKEYE

YEAR	CATCH	ESC	TOTAL STOCK
1960	516,503	68,800	585,303
1961	842,953	161,850	1,004,803
1962	1,035,917	413,500	1,449,417
1963	437,459	932,500	1,369,959
1964	1,053,591	573,900	1,627,491
1965	644,974	140,150	785,124
1966	528,212	200,000	728,212
1967	1,102,838	435,250	1,538,088
1968	2,665,792	555,000	3,220,792
1969	727,330	226,000	953,330
1970	19,019	102,250	121,269
1971	402,538	215,900	618,438
1972	379,006	221,500	600,506
1973	1,761,376	985,000	2,746,376
1974	118,704	557,025	675,729
1975	40,631	480,002	520,633
1976	613,666	300,000	913,666
1977	660,469	191,600	852,069
1978	568,682	383,000	951,682
1979	28,349	297,525	325,874
1980	522	313,000	313,522
1981	98,706	753,075	851,781
1982	39,178	823,000	862,178
1983	35,160	636,502	671,662
1984	53,879	214,301	268,180
1985	184,543	500,430	684,973
1986	337,443	825,626	1,163,069
1987	398,854	521,700	920,554
1988	372,018	503,000	875,018
1989	63,746	375,175	438,921
1990	234,281	586,510	820,791
1991	168,226	346,500	514,726
1992	508,068	343,005	851,073
1993	83,146	311,000	394,146
1994	40,320	91,500	131,820
1995	45,524	73,000	118,524
1996	0	65,000	65,000
1997	0	276,100	276,100
1998	0	52,020	52,020
1999	0	3,600	3,600
2000	0	21,100	21,100
2001	0	24,500	24,500
2002	0	100,000	100,000
2003	0	139,000	139,000
2004	0	115,000	115,000
2005	0	150,000	150,000
2006	0	108,000	108,000
2007	0	100,000	100,000
2008	0	83,000	83,000

\*-Catches From B.C. Catch Statistics and field catch data.

\*-Catch is commercial net only, does not include FSC and sport.

## Historic Catch and Escapement

### AREA 9 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1960	107,915	5,850	113,765
1962	657,800	121,925	779,725
1964	207,590	65,350	272,940
1966	256,597	115,075	371,672
1968	878,032	107,525	985,557
1970	185,701	144,175	329,876
1972	810,199	502,450	1,312,649
1974	359,834	214,850	574,684
1976	587,501	256,100	843,601
1978	200,668	109,650	310,318
1980	10,856	135,800	146,656
1982	1,944	100,000	101,944
1984	79,742	138,102	217,844
1986	150,779	289,815	440,594
1988	148,784	242,146	390,930
1990	153,369	257,195	410,564
1992	132,940	158,585	291,525
1994	18,980	97,550	116,530
1996	0	333,200	333,200
1998	0	155,500	155,500
2000	0	316,445	316,445
2002	0	866,900	866,900
2004	0	144,500	144,500
2006	0	38,385	38,385
2008	0	15,270	15,270

### AREA 9 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1961	126,641	21,450	148,091
1963	35,336	16,775	52,111
1965	29,842	18,875	48,717
1967	30,673	100	30,773
1969	23,093	525	23,618
1971	24,635	34,205	58,840
1973	89,860	9,765	99,625
1975	27,059	87,150	114,209
1977	190,393	47,600	237,993
1979	23,676	49,350	73,026
1981	103,843	93,050	196,893
1983	11,838	124,275	136,113
1985	75,938	276,700	352,638
1987	107,890	65,187	173,077
1989	4,636	25,624	30,260
1991	2,001	4,986	6,987
1993	2,284	13,100	15,384
1995	661	18,000	18,661
1997	0	154,800	154,800
1999	0	118,550	118,550
2001	0	1,257,600	1,257,600
2003	0	646,950	646,950
2005	0	602,550	602,550
2007	0	366,880	366,880

\*-Catches From B.C. Catch Statistics and field catch data.

\*-Catch is commercial net only, does not include FSC and sport.

## Historic Catch and Escapement

### AREA 9 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	20,529	16,375	36,904
1961	18,213	17,125	35,338
1962	22,999	25,075	48,074
1963	25,101	44,575	69,676
1964	34,055	66,075	100,130
1965	9,172	925	10,097
1966	16,885	42,500	59,385
1967	19,473	14,925	34,398
1968	40,755	41,875	82,630
1969	39,189	10,325	49,514
1970	103,742	38,600	142,342
1971	16,710	11,855	28,565
1972	27,460	27,581	55,041
1973	46,626	24,425	71,051
1974	40,911	62,075	102,986
1975	8,268	16,600	24,868
1976	20,913	6,345	27,258
1977	42,335	9,790	52,125
1978	55,322	60,800	116,122
1979	9,114	18,550	27,664
1980	9,417	23,675	33,092
1981	7,142	12,650	19,792
1982	11,337	102,180	113,517
1983	4,631	34,976	39,607
1984	11,405	26,689	38,094
1985	18,055	28,653	46,708
1986	155,491	201,220	356,711
1987	36,167	87,923	124,090
1988	39,786	44,423	84,209
1989	9,343	10,363	19,706
1990	18,495	14,830	33,325
1991	5,920	7,182	13,102
1992	20,458	16,450	36,908
1993	3,455	9,960	13,415
1994	10,023	15,465	25,488
1995	18,203	39,345	57,548
1996	0	16,400	16,400
1997	0	8,985	8,985
1998	0	47,450	47,450
1999	0	18,780	18,780
2000	0	35,125	35,125
2001	0	15,830	15,830
2002	0	98,300	98,300
2003	0	118,500	118,500
2004	0	77,400	77,400
2005	0	61,850	61,850
2006	0	33,100	33,100
2007	0	32,000	32,000
2008	0	2,800	2,800

\*-Catches From B.C. Catch Statistics and field catch data.

\*-Catch is commercial net only, does not include FSC and sport.

## 2009 SALMON PROSPECTS FOR THE SEASON – AREA 9

Pre-season forecasts and comparative 2008 forecasts.

			2009 Forecast			2008 Forecast	
Species	Stock	Escapement Target	Median			Median	Model
			10%	50%	90%	50%	
Pink	all	342,450	N/A	182,000	N/A	44,000	2009 - 5 yr avg rr 2008 - 5 yr avg rr
Chum	all	150,700	N/A	79,000	N/A	138,000	2009 - 5 yr avg rr 2008 - 5 yr avg rr
Sockeye	Owikeno Lake	200,000	147,000	111,200	84,200	122,300 54,300	5 year average Sibling model

Note: Surpluses and deficits mask one another. Surpluses are calculated from individual stocks

Note: Forecasts are probability that the actual stock size will exceed the specified forecast.

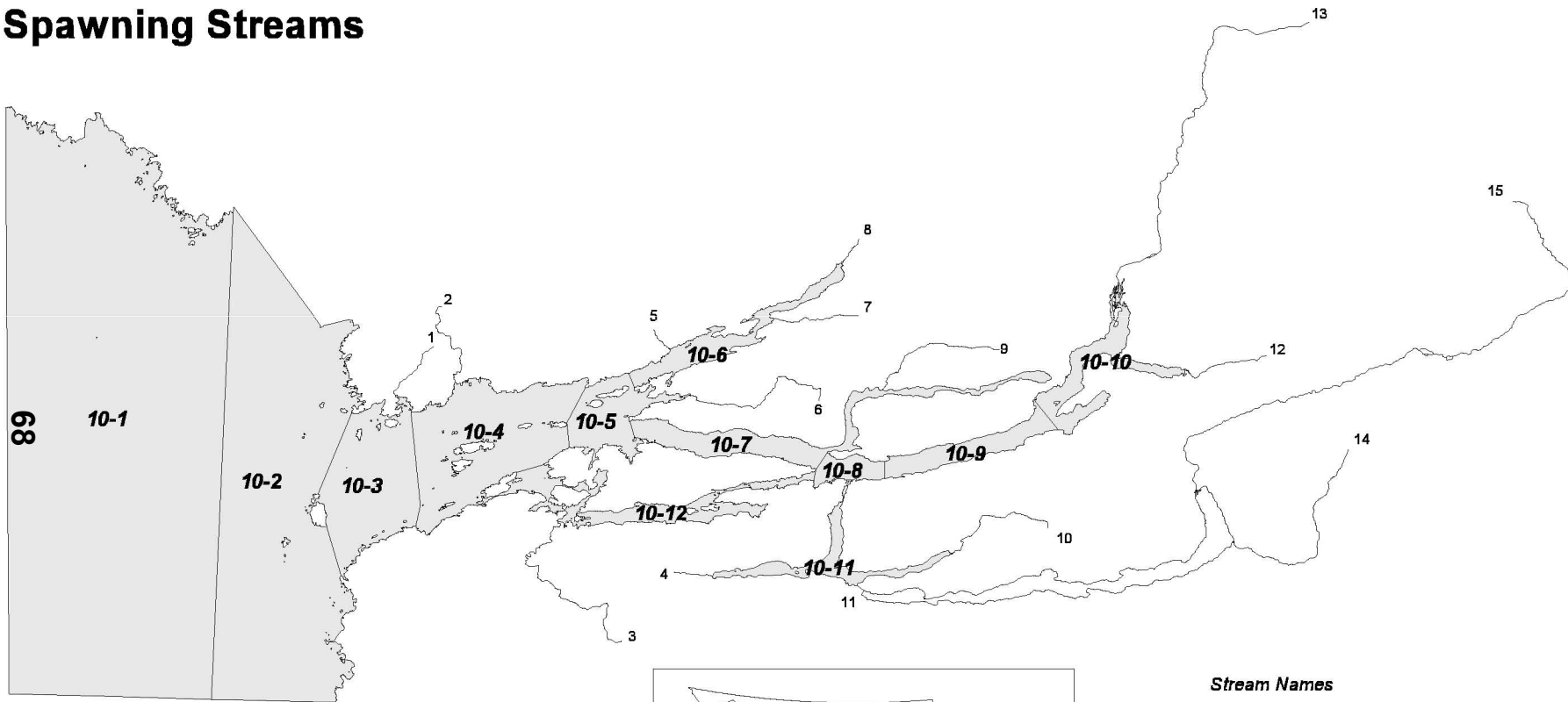
**Sockeye:** According to the 5-yr average model, there a 5 in 10 chance that the 2009 return will reach 111,200 and only a 1 in 10 chance that the return will exceed 147,000. A forecast using the biological sibling model will be provided for comparison once the age data for 2008 is completed. In previous years, both the sibling and the 5-yr average models have been extremely variable, conveying the high degree of uncertainty with forecasting River's Inlet Sockeye returns. No fishing opportunities are expected with the exception of a small First Nation harvest for food, social, and ceremonial purposes.

**Pink:** Return rates continue to be low and with high variability in pink returns forecasts should be considered unreliable. The 2009 forecast for Area 9 predicts no available surplus of pinks.

**Chum:** Low chum returns in 2008 were expected as a result of heavy flooding in 2004 combined with poor early marine survivals in the spring of 2005. Several chum were observed in the Wannock River this fall although no population estimate is available. Returns for 2009 are expected to be below target with small surpluses predicted for Chuckwalla and Lockhart Gordon systems.



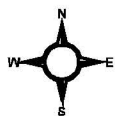
# Area 10: Salmon Spawning Streams



Date: November 7, 2001

Scale 1:400,000

Projection: BC Albers, NAD 83



### Stream Names

- 1 Hagen Creek
- 2 Dsulish Creek
- 3 Takush River
- 4 Wyclees Lagoon Creek West
- 5 Boss Creek
- 6 Margaret Creek
- 7 Boswell Creek
- 8 Corduroy Creek
- 9 Naysash Creek
- 10 Wyclees Lagoon Creek East
- 11 Docee River
- 12 Walkum Creek
- 13 Nekite River
- 14 Canoe Creek
- 15 Smokehouse Creek

**2008 POST SEASON SUMMARY AND ASSESSMENT  
AREA 10 - SMITHS INLET SUB-DISTRICT**

**1. Preseason Expectations - Net Fishery:**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
Expected Return	25,300	N/A	N/A	82,300	N/A	N/A	N/A
Target Escapement	100,000	N/A	65,600	98,500	6,500	N/A	N/A
Surplus	0	N/A	N/A	13,200	0	N/A	N/A

Note: The total summary above, surpluses and deficits mask on one another. Surpluses are calculated from individual stocks.

**2. Postseason Catch**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
<u>Commercial Field Catches</u>							
Seine	0	0	0	0	0	0	0
Gillnet	0	0	0	0	0	0	0
Total Net	0	0	0	0	0	0	0
Troll	0	0	0	0	0	0	0
<u>Sport Catches</u>							
Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Non-Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Total	UNK	UNK	UNK	UNK	UNK	UNK	UNK
<u>FSC Catches</u>							
Tidal	110	0	0	0	0	0	0
Non-Tidal	0	0	0	0	0	0	0
Total	110	0	0	0	0	0	0

**3. Escapement**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
2008	16,389	6,303	628	8,926	A/P		
Target	100,000	N/A	65,600	98,500	6,500	N/A	N/A

**4. Commercial Fishery Stats:**

	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Date of CFB</u>	<u>Total Days Fishing</u>	<u>Total Accum Effort</u>
Seine				0	0
Gillnet				0	0
Troll	25-Jul		5-Sep	0	0

N/A- not available

5. Commercial Net Fishery Summary:

The sockeye return to Long Lake was forecasted at 25,300. The total sockeye return to Long Lake was 16,389. No commercial fishery targeting on Long Lake sockeye was contemplated in 2008.

6. Commercial Troll Fishery Summary:

On July 25<sup>th</sup>, sub-area 110 was opened for the retention of coho and pink salmon. Area 110 closed 0001 hrs September 5<sup>th</sup> due to low coho returns. No catch or effort was reported in Area 110 for the 2008 season although further updates to the database are possible.

7. Sport Fishery Summary:

There are no catch reports available for tidal water sport fishing in Area 10 in 2008.

8. First Nation Social and Ceremonial Fishery (FSC) Summary:

The forecasted Long Lake sockeye return was estimated to be 25,300 this year. In-season indications were that this run was returning at lower than its expected level. The Gwa'sala-'Nakwaxda'xw Communal Licence was amended on July 15, 2008 to add the Salmon Schedule. This amendment included a sockeye allocation of 2,000 pieces. A total of 110 sockeye were harvested from Area 10.

See Appendix III for a complete summary of Gwa'sala-'Nakwaxda'xw Area 10 catches.

9. Escapement Summary:

Docee Fence Program Overview

The 2008 Docee Fence enumeration program was conducted from July 2<sup>nd</sup> to September 12<sup>th</sup>. The Gwa'sala-Nakwaxda'xw Fisheries Program was responsible for all enumeration activities at the fence this year.

At the start of the program, water conditions were extremely high for about the first week of July. This made both installing the fence and rock-bagging very difficult. Fortunately, the water dropped significantly after this point for the majority of the

sockeye migration. This differed from last year, when the fence was overtopped by the water for several days in mid to late July.

An attempt was made to have two underwater cameras this year - a main camera, and a secondary in case of problems and/or damage to the first camera. Unfortunately, shortly after the fence was operational, only the main camera worked for the duration of the season. The underwater camera was used to determine species identification from July 6<sup>th</sup> until September 12<sup>th</sup>. As a backup to the camera, the traditional dipping method was continued to gather biological samples and species composition information.

From late July to early September there were six pinks and two chums that swam through the fence. To keep consistency with the historical data, these fish were recorded separately and are not included in the final totals for the fence.

#### SOCKEYE

Sockeye returns to Long Lake continued to decline this year. The final count through the Docee Fence was 16,389 sockeye. With the decreased escapement this year and low water conditions for the majority of the sockeye migration, dipping for samples behind the fence was largely unsuccessful. Therefore, biological samples were collected from both the Smokehouse River and Canoe Creek in early to mid October.

Acoustic and trawl surveys were conducted at Long Lake to estimate the abundance and condition of juvenile sockeye and other limnetic fish (threespine sticklebacks) that use the lake as a nursery area. Additional analysis is required before there will be a quantitative estimate of juvenile sockeye abundance and size for Long Lake. A report by Kim Hyatt is pending.

#### COHO

The Docee Fence program is the only coho indicator for Area 10. The total for coho counted through the fence was 6,303. There may have been some coho that arrived late to the Docee River this year. In early October, there was a school of about 50 coho holding above the fence site and another school of about 50 coho milling just in front of the lake outlet near the airplane float.

The Gwa'sala-Nakwaxda'xw Fisheries Program does enumerate early coho indirectly during the Nekite River Chum mark-recapture program. This year 30 coho were observed over multiple inspections in September.

## PINK

Six pinks were enumerated at the Docee Fence this year, arriving between late July and late August. In late September and early October, three pinks were observed spawning in the gravels above the Docee Fence.

Charter Patrol completed two inspections of the Takush River this year. The Takush River does support a small population of pinks, however, none were observed. Given the low returns to many Central Coast streams and the infrequent inspections of this system, this was not surprising.

An overflight was conducted on Sept. 15<sup>th</sup> and estimated 600 pinks in the Nekite River. The Gwa'sala Fisheries Program conducted multiple stream inspections of the Nekite River in 2008 and reported a low pink return. In addition, an estimated 28 pinks were observed in the spawning channel.

## CHUM

There have been infrequent observations of chum in the Docee River in past years. Two chum were enumerated at the fence arriving in late August and early September. In early October, two chum were noted spawning just above the Docee Fence site.

Charter Patrol did an inspection of the lower part of the Takush River in early October. Chum were present, but no annual estimate was possible as it was early in the run timing.

The Gwa'sala-Nakwaxda'xw Fisheries Program conducted a chum mark recapture program on the Nekite River once again this year. This program was initiated in 2002 with the goal of obtaining reliable annual escapement estimates for chum. A data review was completed in 2007 and a Northern fund proposal was submitted in order to gain funds for increasing the tag application sample. The primary objective aimed to reduce uncertainty associated with the mark-recapture population estimates.

Chum returns to the Nekite River were anticipated to be lower in 2008 given flooding conditions in the fall of 2004 and documented poor early marine conditions in the spring of 2005. Early seining efforts to capture Nekite chum showed evidence of low abundance and efforts shifted to in-river tag application. Despite a low return, 1,575 chum were tagged and 629 chum were recovered during the deadpitch program. Of these, a total of 122 marked fish were identified and a population estimate of  $8072 \pm 1277$  with 95% confidence limits was derived.

## CHINOOK

The Docee Fence operations were again extended this year to enumerate chinook (along with coho). A total of 89 chinook were estimated through the fence by September 12<sup>th</sup>.

As in recent years, the Gwa'sala-Nakwaxda'xw Fisheries Program conducted several inspections of the Docee River and the outlet of Long Lake after the fence program ended. Stream walks were conducted on October 24<sup>th</sup> and October 28<sup>th</sup>. A total of 24 chinook were observed spawning during each of these visits. A final population estimate for Docee River chinook is not available although the fence count would indicate stable returns over recent years.

See Appendix IV for escapements by stream.

### 10. Current Year/Target Escapement Comparison - Key Streams:

#### Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Nekite River	65,000	628
Walkum Creek	500	N/O

#### Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Nekite River	60,000	8,072
Nekite Spawning Channel	16,000	A/P*
Takush River	15,000	A/P
Walkum River	7,500	854

N/I- Not Inspected

N/O- Inspected but none observed

A/P- Inspected and species present, but no estimate of escapement available

\*-Included in Nekite River mark-recapture estimate

#### Appendices:

- Appendix I - Area 10 Weekly Net Catch Summary for 2008 **N/A**
- Appendix II - Area 10 Sport Fishery Catch Summary for 2008 **N/A**
- Appendix III - Area 10 First Nation Food, Social and Ceremonial Fishery Catch (FSC) Summary for 2008
- Appendix IV - Area 10 Escapement Summary 2008
- Appendix V - Docee River Fence Count 2008

Appendix III - 2008 Gwa'sala-'Nakwaxda'xw - FSC Weekly Catch in Area 10

Week	Week Ending	Effort Boat Days	Sockeye	Coho	Pink	Chum	Chinook	Sthd. Kept
25	21-Jun							
26	28-Jun							
27	05-Jul							
28	12-Jul							
29	19-Jul							
30	26-Jul							
31	04-Aug	1	110					
32	09-Aug							
33	16-Aug							
34	23-Aug							
35	30-Aug							
36	06-Sep							
37	13-Sep							
38	20-Sep							
39	27-Sep							
40	04-Oct							
41	11-Oct							
<b>TOTAL</b>		<b>1</b>	<b>110</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Appendix IV  
Area 10 Preliminary Escapements 2008**

<b>STREAM NAME</b>	<b>Sockeye</b>	<b>Coho</b>	<b>Pink</b>	<b>Chum</b>	<b>Chinook</b>
CANOE CREEK	4,097	A/P	N/P	N/P	N/P
DOCEE RIVER	A/P	6,303	A/P	A/P	A/P
NEKITE RIVER	N/O	A/P	600	8,072	N/O
NEKITE SPAWNING CHANNEL	N/O	A/P	28	A/P*	N/P
SMOKEHOUSE CREEK	12,292	A/P	N/P	N/P	N/I
TAKUSH RIVER	N/P	A/P	N/O	A/P	N/O
WALKUM CREEK	N/O	N/O	N/O	854	N/O
<b>Total</b>	<b>16,389</b>	<b>6,303</b>	<b>628</b>	<b>8,926</b>	<b>A/P</b>

N/I - Not inspected

N/O - Inspected but none observed

N/P - No population present

A/P - Inspected and species present, but no estimate of escapement available

\*-Included in Nekite River mark-recapture estimate

Appendix V. Docee Fence Counts 2008

Date	Sockeye Count		Coho Count		Chinook Count	
	TFD	TTD	TFD	TTD	TFD	TTD
2-Jul	9	9	0	0	0	0
3-Jul	22	31	0	0	0	0
4-Jul	7	38	0	0	0	0
5-Jul	17	55	0	0	0	0
6-Jul	129	184	0	0	0	0
7-Jul	146	330	0	0	0	0
8-Jul	109	439	0	0	1	1
9-Jul	146	585	0	0	0	1
10-Jul	279	864	0	0	0	1
11-Jul	820	1,684	0	0	0	1
12-Jul	856	2,540	6	6	0	1
13-Jul	812	3,351	3	10	0	1
14-Jul	1,009	4,361	6	15	0	1
15-Jul	1,260	5,621	0	15	0	1
16-Jul	785	6,406	0	15	0	1
17-Jul	980	7,386	0	15	0	1
18-Jul	998	8,384	0	15	0	1
19-Jul	985	9,369	0	15	0	1
20-Jul	817	10,186	0	15	0	1
21-Jul	882	11,067	2	18	0	1
22-Jul	1,584	12,652	12	29	0	1
23-Jul	841	13,493	2	31	0	1
24-Jul	515	14,007	9	41	0	1
25-Jul	551	14,558	26	67	0	1
26-Jul	193	14,751	29	96	0	1
27-Jul	235	14,986	35	131	0	1
28-Jul	494	15,480	63	194	0	1
29-Jul	158	15,638	39	233	0	1
30-Jul	109	15,747	114	347	0	1
31-Jul	100	15,848	184	530	0	1
1-Aug	140	15,987	214	745	0	1
2-Aug	59	16,046	257	1,002	0	1
3-Aug	49	16,095	166	1,168	0	1
4-Aug	51	16,146	122	1,290	0	1
5-Aug	38	16,184	60	1,350	0	1
6-Aug	55	16,239	99	1,449	1	2
7-Aug	27	16,266	86	1,535	1	3
8-Aug	25	16,291	144	1,679	0	3
9-Aug	22	16,313	230	1,909	0	3
10-Aug	11	16,323	350	2,260	3	6
11-Aug	24	16,348	263	2,522	0	6
12-Aug	6	16,354	289	2,811	1	7
13-Aug	9	16,363	280	3,091	0	7
14-Aug	8	16,372	205	3,295	2	9
15-Aug	8	16,380	311	3,606	1	10
16-Aug	0	16,380	134	3,740	0	10
17-Aug	0	16,380	77	3,817	0	10
18-Aug	3	16,383	128	3,945	0	10

Appendix V. Docee Fence Counts 2008

Date	Sockeye Count		Coho Count		Chinook Count	
	TFD	TTD	TFD	TTD	TFD	TTD
19-Aug	2	16,385	86	4,031	3	13
20-Aug	1	16,386	365	4,396	7	20
21-Aug	3	16,389	319	4,715	2	22
22-Aug	0	16,389	341	5,056	4	26
23-Aug	0	16,389	132	5,188	6	32
24-Aug	0	16,389	121	5,309	9	41
25-Aug	0	16,389	201	5,510	8	49
26-Aug	0	16,389	153	5,663	2	51
27-Aug	0	16,389	104	5,767	3	54
28-Aug	0	16,389	41	5,808	3	57
29-Aug	0	16,389	16	5,824	1	58
30-Aug	0	16,389	25	5,849	0	58
31-Aug	0	16,389	38	5,887	0	58
1-Sep	0	16,389	57	5,944	1	59
2-Sep	0	16,389	45	5,989	6	65
3-Sep	0	16,389	34	6,023	0	65
4-Sep	0	16,389	29	6,052	3	68
5-Sep	0	16,389	47	6,099	16	84
6-Sep	0	16,389	35	6,134	1	85
7-Sep	0	16,389	38	6,172	1	86
8-Sep	0	16,389	51	6,223	0	86
9-Sep	0	16,389	34	6,257	3	89
10-Sep	0	16,389	10	6,267	0	89
11-Sep	0	16,389	26	6,293	0	89
12-Sep	0	16,389	10	6,303	0	89

AREA 10 SOCKEYE

YEAR	CATCH	ESC	TOTAL STOCK
1960	219,341	18,525	237,866
1961	213,277	22,525	235,802
1962	252,058	110,075	362,133
1963	174,996	68,686	243,682
1964	236,432	50,200	286,632
1965	289,821	11,000	300,821
1966	172,091	50,000	222,091
1967	286,000	50,000	336,000
1968	454,106	197,929	652,035
1969	166,998	110,200	277,198
1970	82,677	70,065	152,742
1971	142,955	135,068	278,023
1972	59,397	76,248	135,645
1973	294,693	169,753	464,446
1974	347,705	91,023	438,728
1975	52,673	62,967	115,640
1976	92,189	60,904	153,093
1977	54,828	128,607	183,435
1978	233,522	84,105	317,627
1979	11,022	20,257	31,279
1980	2,318	128,453	130,771
1981	154,355	214,345	368,700
1982	295,789	214,500	510,289
1983	131,221	199,654	330,875
1984	21,163	89,154	110,317
1985	369,178	250,002	619,180
1986	369,854	199,000	568,854
1987	194,926	200,000	394,926
1988	301,731	207,000	508,731
1989	71,821	166,810	238,631
1990	58,579	149,020	207,599
1991	574,550	260,000	834,550
1992	722,816	220,000	942,816
1993	284,156	220,000	504,156
1994	58,094	100,000	158,094
1995	26,428	57,000	83,428
1996	8,700	54,000	62,700
1997	0	32,000	32,000
1998	0	76,000	76,000
1999	0	5,900	5,900
2000	0	1,430	1,430
2001	0	8,450	8,450
2002	0	92,000	92,000
2003	0	179,500	179,500
2004	0	7,800	7,800
2005	0	14,000	14,000
2006	0	26,800	26,800
2007	0	19,102	19,102
2008	0	16,389	16,389

\*-Catches From B.C. Catch Statistics and field catch data  
Net Catch Only.

AREA 10 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1960	29004	3500	32504
1962	143056	35000	178056
1964	60918	1500	62418
1966	37719	7500	45219
1968	83396	15025	98421
1970	57553	15000	72553
1972	10419	2525	12944
1974	23180	9000	32180
1976	10679	22100	32779
1978	16472	19000	35472
1980	740	2500	3240
1982	3415	9031	12446
1984	477	3516	3993
1986	8324	26570	34894
1988	20517	18113	38630
1990	4391	41065	45456
1992	49601	2100	51701
1994	9973	2030	12003
1996	512	6400	6912
1998	0	600	600
2000	0	18497	18497
2002	0	101000	101000
2004	0	A/P	A/P
2006	0	A/P	A/P
2008	0	628	628

AREA 10 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1961	39155	7500	46655
1963	3605	7500	11105
1965	27567	7500	35067
1967	110160	3500	113660
1969	5644	400	6044
1971	3315	4000	7315
1973	6402	5030	11432
1975	2762	1300	4062
1977	17895	20100	37995
1979	6788	30250	37038
1981	23227	65037	88264
1983	2577	45271	47848
1985	6818	35600	42418
1987	10858	18233	29091
1989	1219	28106	29325
1991	9922	15133	25055
1993	12053	10075	22128
1995	132	26525	26657
1997	0	1500	1500
1999	0	100	100
2001	0	A/P	A/P
2003	0	50000	50000
2005	0	5250	5250
2007	0	5084	5084

\*-Catches From B.C. Catch Statistics and field catch data.

Net Catch Only.

A/P- Inspections conducted and species present, but no estimate of escapement

AREA 10 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	24,117	12,500	36,617
1961	13,193	5,750	18,943
1962	21,171	44,000	65,171
1963	22,266	15,750	38,016
1964	34,952	15,400	50,352
1965	9,405	1,600	11,005
1966	8,343	3,925	12,268
1967	16,370	15,225	31,595
1968	49,804	11,075	60,879
1969	26,125	2,650	28,775
1970	49,918	22,500	72,418
1971	8,727	25,000	33,727
1972	33,725	43,250	76,975
1973	43,320	71,500	114,820
1974	13,800	28,500	42,300
1975	5,569	7,500	13,069
1976	3,599	8,500	12,099
1977	13,736	42,500	56,236
1978	38,457	36,000	74,457
1979	5,491	13,750	19,241
1980	19,574	57,000	76,574
1981	10,990	65,500	76,490
1982	20,100	70,000	90,100
1983	3,913	44,000	47,913
1984	3,129	14,200	17,329
1985	20,710	26,000	46,710
1986	15,168	73,600	88,768
1987	14,164	37,500	51,664
1988	7,979	41,000	48,979
1989	6,236	21,000	27,236
1990	2,261	44,350	46,611
1991	18,123	30,500	48,623
1992	17,574	13,750	31,324
1993	12,640	18,600	31,240
1994	19,182	17,800	36,982
1995	6,485	40,730	47,215
1996	1,309	23,150	24,459
1997	0	4,600	4,600
1998	0	4,515	4,515
1999	0	9,100	9,100
2000	0	8,484	8,484
2001	0	A/P	A/P
2002	0	49,000	49,000
2003	0	53,000	53,000
2004	0	54,800	54,800
2005	0	16,700	16,700
2006	0	A/P	A/P
2007	0	10,834	10,834
2008	0	8,926	8,926

\*-Catches From B.C. Catch Statistics and field catch data.

Net Catch Only.

A/P- Inspections conducted and species present, but no estimate of escapement available

## 2009 SALMON PROSPECTS FOR THE SEASON – AREA 10

Pre-season forecasts and comparative 2008 forecasts.

			2009 Forecast			2008 Forecast	
Species	Stock	Escapement Target	10%	Median 50%	90%	Median 50%	Model
Pink	all	65,600	N/A	N/A	N/A	N/A	5 yr avg rr
Chum	all	98,500	N/A	40,800	N/A	82,300	5 yr avg rr
Sockeye	Long Lake	100,000	29,200	15,700	8,400	25,300 26,300	5 year average Sibling model

Note: Surpluses and deficits mask one another. Surpluses are calculated from individual stocks

Note: Forecasts are probability that the actual stock size will exceed the specified forecast.

**Sockeye:** The expected 2008 returns were predicted to be low, as the 2004 brood year for returning 4 year old sockeye was extremely poor at 7,800 fish and the 2003 brood year (179,500) for returning 5 year old sockeye had already contributed very little to the 2007 escapement. Based on the latter poor returns, the 2009 returns are expected to be low as both age classes are from two weak brood years, 7,800 sockeye from 2004 and 14,000 sockeye from 2005.

The 5-year average model predicts a 5 in 10 chance of 15,700 sockeye returning to the Docee River in 2009. This model has performed as well or better than other models under typical situations. At the time of printing this document, the 2008 ages were unavailable and a biological sibling model could not be completed for comparison. No fishing opportunities are expected with the exception of a small First Nation harvest for food, social, and ceremonial purposes.

**Pink:** There is no pink forecast available for 2009 as recent return rate data is incomplete. Approximately 5000 pinks returned to the Nekite in 2007 and a similar return may be expected in 2009. The population is low and continues to decline with very few pinks observed in 2008.

**Chum:** The 2009 forecast reflects a poor Nekite chum return in 2005 and no surplus is expected. Low returns in 2008 are believed to have resulted from high flooding in 2004 and poor early marine survivals encountered in the spring of 2005.

Revisions

Date	Page	By Whom	Comment