2009 POST SEASON REVIEW

SALMON

NORTH COAST AREAS 1-6
&
CENTRAL COAST AREAS 7-10

FISHERIES AND OCEANS CANADA

2009 POST SEASON REVIEW

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2009 EXPECTATIONS & RESULTS
AREAS 1 TO 6 - QCI, NASS, SKEENA, GRENVILLE-PRINCIPE & BUTEDALE

1. Preseason Expectations

Expected	Area	Sockeye	Coho	Pink	Chum	Chinook
Return	1	n/a	n/a	Off-year	n/a	n/a
	2E	n/a	n/a	Off-year	60,000	n/a
	2W	n/a	n/a	Off-year	n/a	n/a
	3*	511,000	n/a	1,100,000	poor	31,000
	4	2,000,000	n/a	1,900,000	poor	n/a
	5	n/a	n/a	350,000	poor	n/a
	6	n/a	n/a	2,000,000	115,000	n/a
Total		2,511,000	n/a	5,350,000	175,000	n/a
	* Sockeye and Chinook estimates from Nisgaa Fisheries					
Interim Target	1	147,000	unk	1,152,000	62,000	5,000
Escapement *	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
Total		1,402,350	unk	5,430,000	1,440,000	102,860
Food, Social and	1-2W	20,000	2,500	2,500	3,000	5,000
Ceremonial Alloc.	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
Total		364,310	301,860	48,125	10,785	35,380
Expected	1-2W	0	unk	Off-year	unk	0
Commercial	3	200,000	unk	700,000	unk	4,000
Net Catch	4	1,000,000	unk	500,000	0	4,000
	5	5,000	unk	350,000	0	unk
	6	5,000	unk	2,000,000	unk	unk
Total		1,210,000	unk	3,550,000	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

2009 EXPECTATIONS & RESULTS
AREAS 1 TO 6 - QCI, NASS, SKEENA, GRENVILLE-PRINCIPE & BUTEDALE

2. Post Season Catch

Commercial	Area	Sockeye	Coho	Pink	Chum	Chinook
Troll *	1	687	133,807	61,010	Closed	75,368
Inseason Hail	2E	Closed	27,543	79	Closed	Closed
	2W	Closed	7,960	1,637	Closed	92
	3	Closed	24,898	458	Closed	Closed
	104	Closed	12,296	624	Closed	Closed
	105	Closed	7,886	736	Closed	Closed
	6	Closed	Closed	Closed	Closed	Closed
Total		12,215	214,390	64,544	0	75,460

	Area	Sockeye	Coho	Pink	Chum	Chinook
Gillnet	1	Closed	Closed	Closed	Closed	Closed
Inseason Hail	2E	0	60	0	3,550	Closed
	2W	Closed	Closed	Closed	Closed	Closed
	3	103,628	Closed	184,679	47,197	1,299
	4	132	Closed	Closed	Closed	2,438
Economic Opportunity Fishery	4	Closed	Closed	Closed	Closed	Closed
	5	Closed	Closed	Closed	Closed	Closed
	6	1,086	Closed	19,796	29,337	84
Total		104,846	60	204,475	80,084	3,821

	Area	Sockeye	Coho	Pink	Chum	Chinook
Seine	1	Closed	Closed	Closed	Closed	Closed
Inseason hail	2E	Closed	30	0	9,200	Closed
	2W	Closed	Closed	Closed	Closed	Closed
	3	13,523	1,951	341,403	Closed	Closed
	4	Closed	Closed	91,767	Closed	Closed
Economic Opportunity Fishery	4	1,141 (Jacks)	Closed	61,748	Closed	Closed
	5	Closed	Closed	131,704	Closed	Closed
	6	39,967	15,914	6,547,496	150	Closed
Total		53,490	17,895	7,174,118	9,350	Closed

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

Sport	Area	Sockeye	Coho	Pink	Chum	Chinook
Tidal	1	70	36,500	1,400	700	19,500
	2E	0	3800	300	0	500
	2W	10	16700	300	200	14000
	3		1,749			2,330
	4					
	5	unk	unk	unk	unk	unk
	6	unk	unk	unk	unk	unk
Total		80	58,749	2,000	900	36,330

* Catch estimates are preliminary

2009 EXPECTATIONS & RESULTS
AREAS 1 TO 6 - QCI, NASS, SKEENA, GRENVILLE-PRINCIPE & BUTEDALE

Native		Area	Sockeye	Coho	Pink	Chum	Chinook	Jacks	Steelhead
FSC	Tidal	1		500			1,000	0	0
	Non-tidal		4,532	1,250					
	Tidal	2E					50	0	0
	Non-tidal		2,430	3000	0	500	0		
	Tidal	2W	200	350	15	75	600	0	0
	Non-tidal		0	0	0	0	0		
	Gitanyow	3	8,172	327	0	0	148	0	0
	Non-tidal	4	104,766	3,839	15,385	96	6,417	0	1,655
	Tidal	4	9,100	45	349	7	21	0	5
	Tidal	5	4,628	1,384			237	0	0
	Tidal	6	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Total		**133,828**	**10,695**	**15,749**	**678**	**8,473**	**0**	**1,660**
Treaty	Nisga'a	3							
	Entitlement		43,175	19,200	5,962	3,218	8,400	n/a	
	Harvest Agree.		21,842	0	114,396	0	0	n/a	
	Total		65,017	19,200	120,358	3,218	8,400	0	0
ESSR		2E	0	0	0	0	0	0	0
		3	0	0	0	0	0	0	0
		4	0	0	0	0	0	0	0
	Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**

3. Escapement (preliminary)

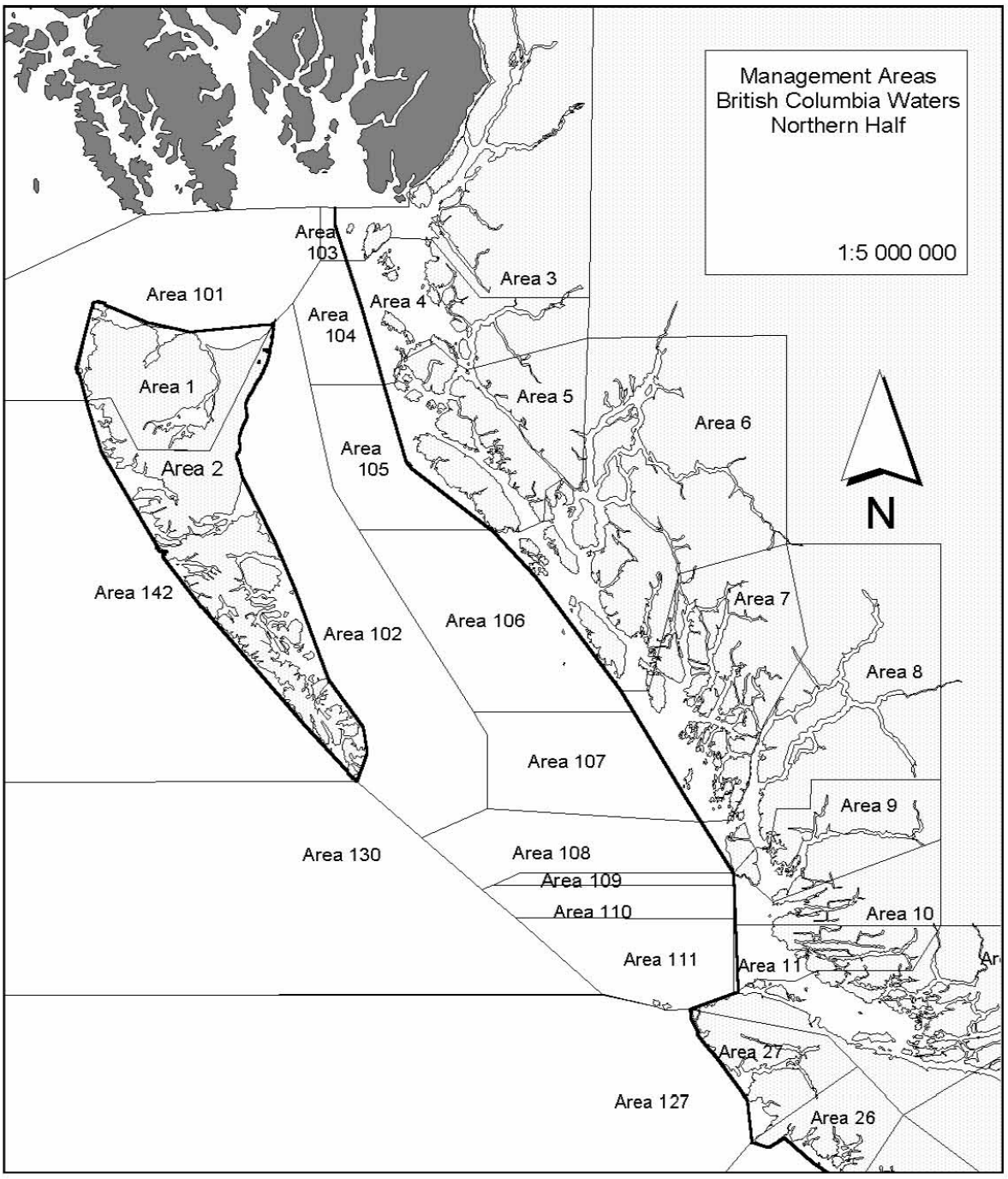
	Area	Sockeye	Coho	Pink	Chum	Chinook
	1	7,500	UNK	Off-Year	35,520	5,000
	2E	13,500	19,970	31,500	132,898	0
	2W	UNK	1,055	10	44,500	0
	3	179,650	UNK	640,214	20,615	3,033
	4	750,000	51,402	2,367,364	992	38,597
	5	UNK	UNK	164,350	3,998	200
	6	28,090	34,944	2,674,740	40,515	1,017
Total		978,740	106,316	5,878,178	279,038	47,847

2009 EXPECTATIONS & RESULTS
AREAS 1 TO 6 - QCI, NASS, SKEENA, GRENVILLE-PRINCIPE & BUTEDALE

4. Commercial Fishery Statistics

Gillnet	Area	Date of First Fishery	Date of Last Fishery	Closed for Balance	Number of Openings	Total Boat Days *
	1	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	2E	Oct.15	Oct.19	Oct.30	4	8
	2W	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	3	Jun. 16	Jul. 21	Aug. 27	10	1,616
	4	Jun. 12	Jun. 19	Aug. 27	2	187
	5	Didn't open	Didn't open	Aug. 27	Didn't open	Didn't open
	6	Jul. 13	Aug. 4	Aug. 27	6	148
Seine						
	1	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	2E	Oct.15	Oct.19	Oct.30	4	6
	2W	Didn't open	Didn't open	Didn't open	Didn't open	Didn't open
	3	Jul. 13	Aug. 23	Aug.27	16	115
	4	Aug. 9	Aug. 19	Aug.27	6	33
	5	Aug. 9	Aug. 24	Aug.31	8	14
	6	Jul. 13	Aug. 24	Aug.31	17	426
Troll	Area F	Jun. 15	Sept. 30	Sept. 30	n/a	5,248

* Converted to 24 hour days


Management Areas
British Columbia Waters
Northern Half
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N
Area 101
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Area 3
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Area 105
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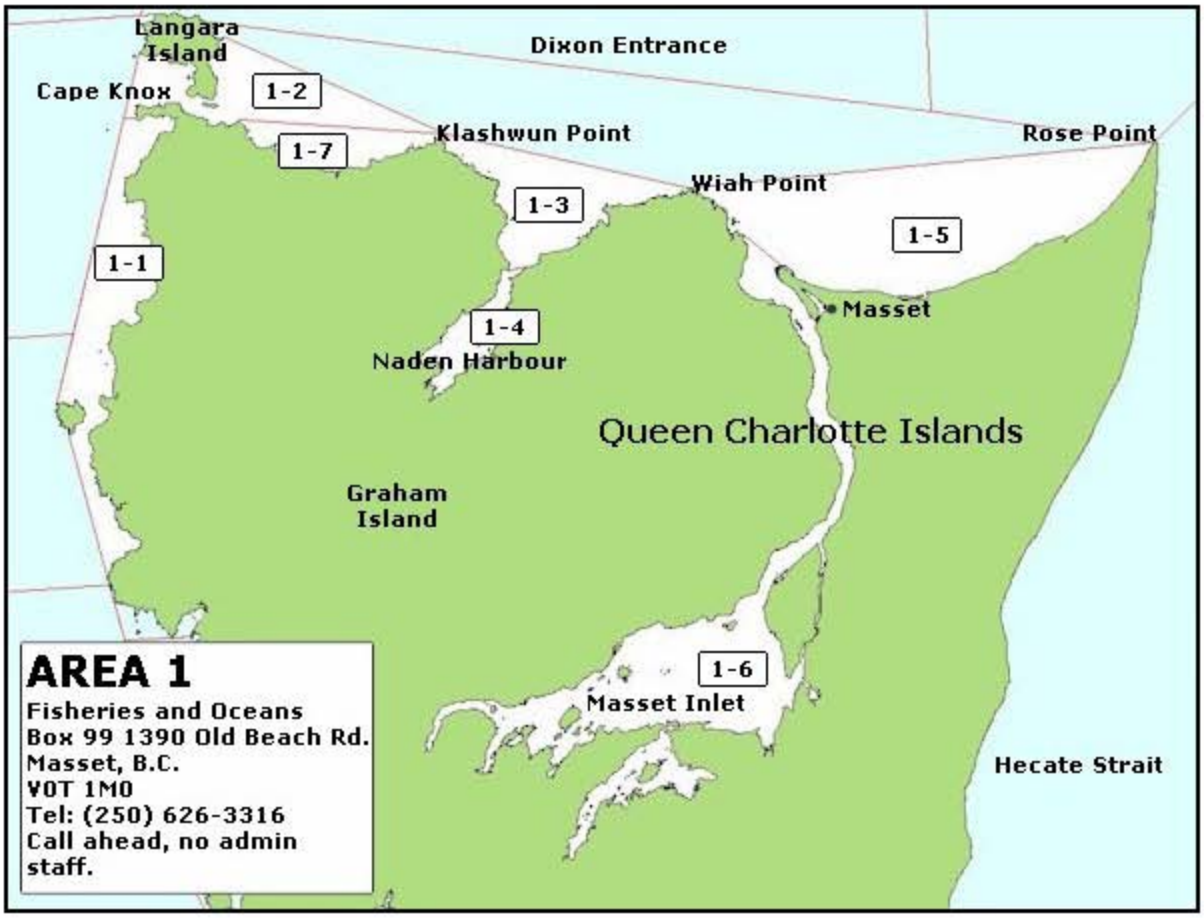
Langara Island
Dixon Entrance
Cape Knox
1-2
1-7
Klashwun Point
Rose Point
Wiah Point
1-3
1-5
1-1
Masset
1-4
Naden Harbour
Queen Charlotte Islands
Graham Island
AREA 1
Fisheries and Oceans
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1-6
Masset Inlet
Hecate Strait

2009 Post Season Summary and Assessment

Area 1

First Nations

Salmon fishing for food, social, and ceremonial purposes is open April 1, 2009 to March 31, 2010.

Haida

Sockeye – 4,532 (terminal) and 0 (interception)
Coho – 1,250 (terminal) and 500 (interception)
Pink – 0
Chum – 500 (terminal)
Chinook – 1,000 (interception)

FSC Review - The 2009 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 to be slightly above average for the 2009 season.

In past years the majority of FSC salmon have been harvested within Dixon Entrance by seine, gillnet and commercial troll gear, particularly in the Langara Island area. During the 2009 season there was no reported effort of individuals fishing interception salmon with seine, gillnet and commercial troll gear. As a result the FSC needs of the Old Massett community were not fully met during the 2009 season.

During the fall terminal harvest season there was some effort for chum salmon at the Ain River estuary. In addition there were reports of gillnetting activities in the estuaries of the Hancock River (across from the Village of Old Massett) and the Yakoun River resulting in a higher than normal harvest of coho terminally.

ESSR Review – An ESSR licence is normally provided to allow for the harvest of surplus pink salmon to the Yakoun River during even year returns. There was no ESSR licence issued during the 2009 season.

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, 2009 to March 31, 2010.

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 8 fly in lodge operations (floating and land based) within Area 1; 5 present at Langara and 3 in Naden Harbour. Approximately 19,500 chinook have been harvested in Area 1 during the 2009 season. This is a decrease of approximately 25% when compared to the total harvest of 26,000 during the 2008 season, and approximately 37% when compared to the total harvest of 31,000 during the 2007 season.

Commercial Net

Passing Skeena sockeye stocks are harvested in Areas 3, 4 and 5.

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

Commercial Net Review

There were no surplus terminal chum salmon harvest opportunities identified in Area 1 during the 2009 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 22, until further notice. A ribbon boundary is established from Cape Knox to Skonun Point which will be in effect for the 2009 salmon season. The northern half of Dixon Entrance (A-B Line) opens to coho commencing 0001 July 1 until 2359h July 21 and from 0001h July 22 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 2009 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 2009 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 15th until further notice. Chinook fishery managed using ITQ harvest style so as not to exceed the total WCVI exploitation rate of 3.2% (2,860 pieces) and the PST TAC of 93,000 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 15th until further notice along the north shore of Graham Island. A reallocation of 10K Chinook was made from the Recreational sector to the Area F Troll fleet for an increase of the TAC to 103,000 pieces.

IFMP Review

The majority of catch and effort was reported in Areas 1/101. A total of just over 4,154 boat days were recorded in these Areas with 744(17.9%) in Area 1. A harvest of 687 sockeye, 133,807 coho, 61,010 pink and 80 chum. The reported chum catch was from areas closed for their harvest. A total of 75,470 Chinook were realized in these areas and Area 2W/142. Sockeye retention was closed as of July 15th for the balance of the 2009 season.

AREA 1 (preliminary) STREAM ESCAPEMENTS - 2009

STREAM	SOCKEYE		COHO		PINK		CHUM	
MASSET SUBAREA								
Ain River	N/I	(15,000)	N/O	(20,000)	N/I		30,000	(25,000)
Awun River	5,000	(20,000)	N/I	(8,000)	N/I		1,500	(15,000)
Datlamen Creek	-		N/I	(5,000)	N/I	(30,000)	N/I	
Mamin River	-		N/I	(15,000)	N/I	(50,000)	N/I	
McClinton Creek	-		N/I		N/I		-	
Nadu Creek	-		N/I		-		-	
Yakoun River	2,500	(45,000)	A/P	(45,000)	N/I	(650,000)	N/I	

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

STREAM	SOCKEYE		COHO		PINK		CHUM	
NADEN SUBAREA								
Davidson Creek	N/I		N/I		N/I	(100,000)	N/O	
Lignite Creek	N/I		A/P		N/I	(50,000)	N/O	
Naden River	N/I	(20,000)	A/P		N/I	(100,000)	4,000	(20,000)
Stanley Creek	N/I		N/I		N/I		20	(2,000)

STREAM	SOCKEYE		COHO		PINK		CHUM	
OUTSIDE SUBAREA								
Chown River	-		N/I		-		-	
Hiellen River	-		N/I		-		-	
Jalun River	N/I	(20,000)	N/I		N/I	(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).

N/O: None observed.
N/I: Not inspected.
A/P: Adults present.

(preliminary)

Queen Charlotte Islands Food, Social, & Ceremonial Fishery Catch Summary - 2009

Area	Location	Period	Sockeye	Coho	Pink	Chum	Chinook	Comments
1	Yakoun River	late May to early June	1,844	0	0	0	0	gillnet terminal sockeye
	Ain River	closed through season	0	0	0	0	0	sockeye conservation concerns
	Awun River	late May to late June	2,188	0	0	0	0	gillnet terminal sockeye
	Naden River	mid July to mid August	500	0	0	0	0	less terminal gillnet effort reported than previous years
	Dixon Entrance	July & August	0	0	0	0	0	no interception seine effort reported
	Dixon Entrance	late June to mid August	0	0	0	0	0	no interception gillnet effort reported
	Dixon Entrance	June, July & August	0	500	0	0	1,000	*interception troll/sportfish
	Hancock River	late Sept. to mid. Oct..	0	250	0	0	0	gillnet terminal coho
	Yakoun River	late Sept. to mid. Oct..	0	1,000	0	0	0	gillnet terminal coho
	Ain River	October	0	0	0	500	0	gillnet terminal chum
Area 1 Total Catch			4,532	1,750	0	500	1,000	

Total QCI Food, Social & Ceremonial Harvests	7,162	5,100	15	1,075	1,650	

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

*: The estimated FSC harvest of coho and chinook by hook and line is also included in the total recreational catch estimate. The estimates of coho and chinook harvested by FSC hook and line methods are thought to be conservative.


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Hippa Island
Graham Island
Queen Charlotte City
Skidegate
Hecate Strait
Moresby Island
Hibben Is.
Louise Island
Talunkwan Is.
Tanu Is.
Lyell Island
Ramsay Island
Burnaby Island
Kunghit Island
Cape St. James

2009 Post Season Summary and Assessment

Area 2 East

First Nations

Salmon fishing for food, social, and ceremonial purposes is open April 1, 2009 to March 31, 2010.

Haida

Sockeye – 2,430 (terminal)
Coho – 3,000 (terminal)
Pink – 0
Chum – 500 (Pallant fence)
Chinook – 50 (interception)

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 modest opportunities 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, the amount of sockeye harvested by seine was neglegable which resulted in a higher than normally amount of effort to harvest coho at Pallant Creek and in East Skidegate Inlet in the fall.

ESSR Review – An ESSR licence was issued to the Haida Tribal Society to harvest enhanced chum and coho from Pallant Creek and enhanced coho from Braverman Creek. A total of 5,972 coho were harvested at the Pallant Creek fence for commercial sale.

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, 2009 to March 31, 2010.

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 2009 terminal season coho abundance was reported to be above average by most recreational anglers.

Commercial Net

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 2009 season occurred in Cumshewa Inlet. On Saturday, October 10 (first day of the Thanksgiving long weekend) approximately 12,000 chum were counted through the Pallant Creek fence with subsequent counts of 8,000 on the Sunday and 11,000 on the Monday. Resource Management was first advised of the strong chum fence counts on Tuesday, October 13. Net fishing opportunities were considered immediately. On October 13 a net fishery was announced for October 15 and 16 in Cumshewa Inlet. On Thursday, October 15 and 16 subareas 2-3 and 2-4 opened to both gillnets and seines. Weather was very poor the night prior and throughout the opening day. Weather improved on the second day. Approximately 10,000 chum were harvested; 3 seines catching 7,800 and 2 gillnets for 2,200. In order to allow for delivery of catch the fishery closed Saturday, October 17, and reopened for a second 2 day period on Sunday, October 18, and Monday, October 19. Catch during the second two day period was minimal at approximately 2,750 chum: 2 seines catching 1,400 and 4 gillnets for 1,350. The total catch by both gillnets and seines was approximately 12,750 chum.

In past years net fishing opportunities in Cumshewa Inlet were discussed by the Pallant Creek Community Advisory Committee which was made up of representatives from the Haida Fisheries Program/Pallant Creek Hatchery, seine, gillnet, and recreational sectors, industry and union, as well as DFO (Res. Mgmt. and SEP). The objectives of the Advisory Committee were to ensure the interests and expectations of the various sectors were considered while attempting to ensure both escapement and hatchery brood stock objectives were being achieved. However, prior to the beginning of the 2009 terminal salmon season a decision to not obtain chum salmon brood stock for the Pallant Creek Hatchery was made by DFO Habitat Enhancement. As a result opportunities were based on escapements into Pallant Creek and identified surpluses, similar to other wild stock opportunities throughout QCI.

Commercial Troll

AREA 2E/102

Management Plan

Sockeye

Closed for the 2009 salmon season as Fraser River stocks migrating through the Area.

Coho

Area 102 open to coho salmon commencing at 0001 hours July 22nd until further notice. All areas inside the surfline closed until surpluses identified.

Pink

Area 102 open to pink salmon commencing at 0001 hours July 22nd until further notice. Inside surfline areas closed for conservation of local coho stocks.

Chum

Closed for the 2009 season until terminal surpluses identified. Cumshewa Inlet is the only area that may yield harvestable surpluses.

Chinook

Closed for the 2009 salmon season.

IFMP Review

A total of 201 boat days were utilized in Area 102 (2E) in 2009. Most of the catch and effort was concentrated in Subarea 102-1 with 27,543 coho and 79 pink salmon reported.

Queen Charlotte Islands Commercial Net Catch Summary, 2009

AREA 2 EAST

Gillnets: Cumshewa Inlet

Date	# of gillnets	sockeye	coho	pink	chum	chinook
Oct. 15	2	0	15	0	1,100	0
Oct. 16	2	0	10	0	1,100	0
Oct. 18	4	0	15	0	750	0
Oct. 19	4	0	20	0	600	0
Totals:		0	60	0	3,550	0

Seines: Cumshewa Inlet

Date	# of seines	sockeye	coho	pink	chum	chinook
Oct. 15	3	0	10	0	4,300	0
Oct. 16	3	0	10	0	3,500	0
Oct. 18	2	0	5	0	1,200	0
Oct. 19	1	0	5	0	200	0
Totals:		0	30	0	9,200	0

AREA 2 EAST (preliminary) STREAM ESCAPEMENTS - 2009

STREAM	SOCKEYE		COHO		PINK		CHUM	
TLELL SUBAREA								
Tlell River	-		16,000	(25,000)	6,000	(25,000)	-	

STREAM	SOCKEYE		COHO		PINK		CHUM	
SKIDEGATE SUBAREA								
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)	N/O	(100,000)	15,000	(30,000)
East Narrows Creek	-		N/I		N/I		300	(2,500)
East Narrows Canbouy Creek	-		N/I		N/I		N/I	
East Narrows Dolphine Creek	-		N/I		N/I		N/I	
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	-		A/P		N/I		1,800	(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)	N/I	(3,500)	9,500	(25,000)
Lagins R/H Creek	-		N/I		N/I		N/I	
Lawn Creek	-		N/I		-		N/I	
MacMillan Creek	-		N/I		-		A/P	
Maude Island South Creek	-		N/I		-		N/I	
Mud Bay Creek	-		N/I		N/I		1,400	(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/O	(250)	N/I		1,000	(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)	N/I		10,000	(18,000)
Slatechuck R/H Creek	-		N/I		N/I		N/I	
Sleeping Beauty Creek	-		N/I		N/I		700	
South Bay Dump Creek	-		N/I		N/I		A/P	
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		400	(2,500)

STREAM	SOCKEYE		COHO		PINK		CHUM	
COPPER SUBAREA								
Blaine Creek	-		N/I		-		-	
Copper River	13,500	20,000	A/P	(15,000)	25,000	(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).

N/O: None observed.
N/I: Not inspected.
A/P: Adults present.

AREA 2 EAST (preliminary) STREAM ESCAPEMENTS - 2009

STREAM	SOCKEYE		COHO		PINK		CHUM	
CUMSHEWA SUBAREA								
Aero Creek	-		N/I		N/I		N/I	
Braverman Creek	-		N/I		N/I		N/I	
Carmichael Creek	-		N/O		N/I		70	
Chadsey Creek	-		120		N/I		660	(3,500)
Mathers Creek	N/I	(5,000)	N/I	(8,000)	N/I	(75,000)	N/I	(20,000)
Pallant Creek	-		3,550	(3,000)	500	(45,000)	56,000	(30,000)
Skedans Creek	-		N/I		N/I	(75,000)	-	

The Pallant Creek chinook salmon escapement is estimated at 14.
Pallant Creek escapements do not include brood stock which totalled 800 coho.
Harvest of 5,972 coho at the Pallant Creek fence under the authority of an ESSR licence.

STREAM	SOCKEYE		COHO		PINK		CHUM	
SELWYN SUBAREA								
Big Goose Creek	-		A/P	(200)	N/O	(20,000)	800	(7,000)
Breaker Bay Creek	-		N/I		N/I		N/I	
Clint Creek (Sewell L/H#3)	-		N/O		N/O		110	(500)
Dana #1 Creek	-		N/O		N/O		150	(2,500)
Dana #2 Creek	-		N/O		N/O		N/O	(500)
Dana #3 Creek	-		N/O		N/O		A/P	(1000)
Dass Creek	-		N/O		N/O		A/P	
George Creek (Sewell L/H#2)	-		N/I		N/I		N/I	
Lagoon Creek	-		40	(1,500)	N/O		6,440	(25,000)
Little Goose Creek	-		N/O	(150)	N/O	(5,000)	650	(4,000)
Pacofi Creek	-		N/O		N/O		50	(3,500)
Sewell Inlet Head Creek	-		N/O	(1,500)	N/O		N/I	(6,500)
Sewell Point Creek	-		N/O		N/O		N/O	(500)
Talunkwan Creek	-		N/I		N/I		N/I	
Thorsen Creek (Sewell L/H#1)	-		N/O	(200)	N/O		740	(2,000)
Thurston Creek	-		N/I		N/I		N/I	(2,000)
Traynor Creek	-		N/I		N/I		N/I	
Waterfall Creek	-		N/O		N/O		70	(2,000)

STREAM	SOCKEYE		COHO		PINK		CHUM	
ATLI SUBAREA								
Beljay Bay Creeks (2)	-		N/O		N/I		30	
Moore Creek	-		N/O		N/I		104	(3,000)
Powrivco Creek	-		N/O		N/I		130	(5,000)
Richardson Creek	-		N/O		N/I		300	
Sandy Creek	-		N/O		-		2,000	(4,500)
Takelley Creek	-		N/O		-		10	

STREAM	SOCKEYE		COHO		PINK		CHUM	
DARWIN SUBAREA								
Anna Inlet Creek	-		N/O		N/I	(3,000)	90	(1,500)
Cresent Creek	-		10	(1,000)	N/I	(20,000)	260	(6,500)
Echo Harbour Creek	-		N/I		N/I	(10,000)	N/I	
Kostan Creek	-		N/O		N/I		30	(1,500)
Salmon River	-		N/O	(750)	N/O	(25,000)	5,800	(25,000)

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).

N/O: None observed.
N/I: Not inspected.
A/P: Adults present.

AREA 2 EAST (preliminary) STREAM ESCAPEMENTS - 2009

STREAM	SOCKEYE		COHO		PINK		CHUM	
JUAN PEREZ SUBAREA								
Alder Island Creek	-		N/I		N/I	(10,000)	50	(5,000)
Arrow Creek	-		N/I	(250)	N/I		175	(2,000)
Gate Creek	-		N/O		N/O	(20,000)	190	
Hutton Head Creek	-		N/I		N/I	(15,000)	600	(5,000)
Hutton L/H Creek	-		N/I		N/I		450	(3,000)
Island Bay L/H Creeks	-		N/I		-		80	(2,500)
Island Bay R/H Creeks	-		N/I		-		50	(2,000)
Marker Creek	-		N/I		N/I		N/I	
Marshall Creeks (3)	-		N/I		N/I	(7,000)	N/O	(3,000)
Matheson L/H Creek	-		N/I		N/I	(30,000)	2,400	(6,000)
Matheson R/H Creek	-		N/I		N/I	(5,000)	1,500	(3,000)
Sedgwick Creek	-		N/O	(250)	N/O		3,100	(7,000)
Skaat Hbr. Creek (5)	-		N/I	(300)	N/I		350	(7,000)
Windy Bay Creek	-		N/O	(500)	N/O	(70,000)	N/O	

STREAM	SOCKEYE		COHO		PINK		CHUM	
SKINCUTTLE SUBAREA								
Bag Harbour Creek	-		N/I	(1,000)	N/I	(1,500)	4,500	(12,000)
George Bay Creek	-		50	(500)	N/I	(1,000)	3,500	(12,000)
Harriet Harbour Creek	-		N/I		-		N/I	(6'000)
Huston Inlet Creek	-		N/I		N/I		300	(3,000)
Jedway Creek	-		N/I		-		N/I	(1,500)
Slim Inlet Creek	-		N/I		-		400	(1,500)
Tangle Creek	-		N/I		N/I		250	(4,000)

STREAM	SOCKEYE		COHO		PINK		CHUM	
SOUTH SUBAREA								
Sedmond Creek	-		200		-		500	

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).

N/O: None observed.
N/I: Not inspected.
A/P: Adults present.

(preliminary)

Queen Charlotte Islands Food, Social, & Ceremonial Fishery Catch Summary - 2009

Area	Location	Period	Sockeye	Coho	Pink	Chum	Chinook	Comments
2 East	Copper River	mid May to early June	2,430	0	0	0	0	gillnet terminal sockeye
	Pallant Creek	September/October	0	1,500	0	500	0	gillnet terminal coho, chum fence
	Skidegate Inlet	early April to mid Oct.	0	1,500	0	0	50	interception chinook/terminal coho
Area 2 East Total Catch			2,430	3,000	0	500	50	
2 West	Rennell Sound	August	200	50	15	75	100	interception seine
	West Skidegate	early June to Sept.	0	300	0	0	500	*interception troll/sportfish
Area 2 West Total Catch			200	350	15	75	600	

Total QCI Food, Social & Ceremonial Harvests	7,162	5,100	15	1,075	1,650	

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

*: The estimated FSC harvest of coho and chinook by hook and line is also included in the total recreational catch estimate. The estimates c coho and chinook harvested by FSC hook and line methods are thought to be conservative.

2009 Post Season Summary and Assessment

Area 2 West

First Nations

Salmon fishing for food, social, and ceremonial purposes is open April 1, 2009 to March 31, 2010.

Haida

Sockeye – 200 (interception)
Coho – 350 (interception)
Pink – 15 (interception)
Chum – 75 (interception)
Chinook – 600 (interception)

FSC Review - There were no attempts at harvesting terminal stocks for food fish in Area 2 West during the 2009 season. The interception harvest of passing sockeye salmon stocks was attempted by seine at Rennell Sound in mid August however abundance was low and the harvest of sockeye very minimal. Food fish harvests by hook and line occur mostly in the West Skidegate area.

ESSR Review – There were no ESSR licences issues for Area 2 West during 2009.

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, 2009 to March 31, 2010.

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 (2), Kano Inlet, and Douglas Inlet in Area 2 West during the 2009 interception season. Approximately 14,000 chinook have been harvested in Area 2 West during the 2009 season. This is approximately an 18% decrease over the approximately 17,000 chinook harvested during the 2008 season, and approximately 38% when compared to the total harvest of 22,500 during the 2007 season.

Commercial Net

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 2009 season.

Commercial Troll

AREA 2W/142

Management Plan

Sockeye

Closed for the 2009 salmon season for conservation of Fraser River stocks.

Coho

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

Pink

Incidental harvest permitted during directed chinook fishery commencing 0001 hours June 15th, 2009.

Chum

Closed in 2009. 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 15th until further notice incorporating the requirement to not exceed exploitation rate allowance (3.2%) of WCVI Chinook which equates to 2,860 pieces.

The Chinook TAC reflects the AABM of the Pacific Salmon Treaty and will provide for reduced harvest opportunities in 2009. 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 with the possibility of boundary amendments based upon WCVI DNA sampling. Most inside surfline areas will remain closed 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.

IFMP Review

A total harvest of 7,960 coho and 1,637 pink salmon utilizing 346 boat days were reported from Area 142. A total of 11 boat days were reported in harvesting 92 Chinook inside Area 2W.

AREA 2 WEST (preliminary) STREAM ESCAPEMENTS - 2009

STREAM	SOCKEYE		COHO		PINK		CHUM	
ATHLOW/OTARD SUBAREA								
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		2,000	(5,000)
Mercer Creek	N/I	(10,000)	N/I	(2,000)	N/I	(10,000)	1,500	(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	
RENNELL SUBAREA								
Bonanza Creek	-		N/I	(1,500)	N/I	(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	-		A/P	(500)	N/I	(25,000)	N/O	(1,000)
Indian Bay Creek	-		N/I		N/I		N/I	
Kano Creek (head)	-		N/I		N/I	(20,000)	100	(4,000)
Kano Creek (outer)	-		N/I		N/I	(8,000)	N/I	(3,000)
Mountain Creek	-		A/P		N/I		250	(2,000)
Rennell Creek	-		N/I		N/I		N/I	(1,500)
Riley Creek	-		N/I	(2,000)	N/I	(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	
W. SKIDEGATE SUBAREA								
Buck Channel Creek #8	-		N/I		N/I		250	
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/O		N/I		N/I	
Buck Channel Creek #3	-		N/I		N/I		1,400	
Buck Channel Creek #2	-		N/I		N/I		N/I	
Canoe Pass Creek	A/P		A/P		A/P		600	(2,000)
Dawson Harbour Creek	-		300	(300)	N/I		800	(3,000)
Dawson Inlet Creek	-		A/P	(200)	N/I		650	(1,000)
Government Creek	-		A/P	(2,000)	N/I	(36,000)	1,800	(7,500)
Trounce Creek (head)	-		A/P	(300)	N/I		850	(4,000)
Trounce R/H Creek	-		N/O		N/I		900	(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).

N/O: None observed.
N/I: Not inspected.
A/P: Adults present.

AREA 2 WEST (preliminary) STREAM ESCAPEMENTS - 2009

STREAM	SOCKEYE		COHO		PINK		CHUM	
ENGLEFIELD SUBAREA								
Boomchain Bay Creek	-		N/I		N/I		A/P	
Bottle Inlet Creek	A/P		105	(200)	N/I		300	(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	-		A/P		N/I	(10,000)	180	(1,500)
Kaisun Creek	-		N/I	(500)	N/I	(30,000)	N/I	(1,500)
Kootenay Inlet Creek (north)	-		N/O	(500)	N/I		150	(5,000)
Kootenay Inlet Creek (south)	-		A/P	(500)	A/P		200	(5,000)
MacKenzie Cove Creek	-		N/I	(500)	N/I	(20,000)	N/I	(2,000)
Mitchell Inlet spillway (Gold H	-		N/O		N/I		4,200	(4,000)
Mudge Creeks (3)	-		N/O		-		500	(1,000)
Peel Inlet Creek (head)	-		A/P	(200)	N/I		1,800	(3,500)
Peel Inlet L/H #1 Creek	-		A/P		N/I		700	(1,500)
Peel Inlet L/H #2 Creek	-		N/O	(200)	N/I		2,800	(3,500)
Security Inlet L/H Creek	-		A/P	(2,000)	N/I	(40,000)	600	(15,000)
Security Inlet R/H Creek	-		A/P	(1,000)	N/I	(20,000)	200	(5,000)

STREAM	SOCKEYE		COHO		PINK		CHUM	
TASU SUBAREA								
Botany Inlet Creek (head)	-		200	(300)	N/I		8,000	(5,000)
Botany Inlet Creek (outer)	-		450		N/I		2,500	(4,000)
Edwards Creek	-		N/I		-		N/I	
Fairfax Inlet Creek	A/P	2,000	A/P	(1,000)	N/I		650	(3,000)
Fairfax Outer Creek	-	2,000	N/O	(1,000)	N/O		90	(3,000)
Flat Creek	-		A/P		N/I		2,500	(2,000)
Lomgon Creek	-		N/I		-		N/I	
Tasu Creek	-		A/P	(1,000)	10	(2,000)	5,200	(10,000)
Wilson Bay Creek	-		N/O		-		300	(2,000)

STREAM	SOCKEYE		COHO		PINK		CHUM	
SOUTH SUBAREA								
Flamingo Inlet Creek	-		N/I		N/I		N/O	
Louscoone Inlet Creek (outer)	-		N/I		N/I		N/I	
Louscoone Inlet Creek	-		N/I		N/I		1,500	
Sperm Bay Creek	-		N/I		N/I		N/O	
Staki Creek	-		N/I		N/I		N/O	
Goski Bay Creek	-		N/I		N/I		750	
Yakulanas Creek	-		N/I		N/I		80	

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).

N/O: None observed.
N/I: Not inspected.
A/P: Adults present.

(preliminary)

Queen Charlotte Islands Food, Social, & Ceremonial Fishery Catch Summary - 2009

Area	Location	Period	Sockeye	Coho	Pink	Chum	Chinook	Comments
2 East	Copper River	mid May to early June	2,430	0	0	0	0	gillnet terminal sockeye
	Pallant Creek	September/October	0	1,500	0	500	0	gillnet terminal coho, chum fence
	Skidegate Inlet	early April to mid Oct.	0	1,500	0	0	50	interception chinook/terminal coho
Area 2 East Total Catch			2,430	3,000	0	500	50	
2 West	Rennell Sound	August	200	50	15	75	100	interception seine
	West Skidegate	early June to Sept.	0	300	0	0	500	*interception troll/sportfish
Area 2 West Total Catch			200	350	15	75	600	
Total QCI Food, Social & Ceremonial Harvests			7,162	5,100	15	1,075	1,650	

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

*: The estimated FSC harvest of coho and chinook by hook and line is also included in the total recreational catch estimate. The estimates c coho and chinook harvested by FSC hook and line methods are thought to be conservative.

AREA 2 WEST (preliminary) STREAM ESCAPEMENTS - 2008

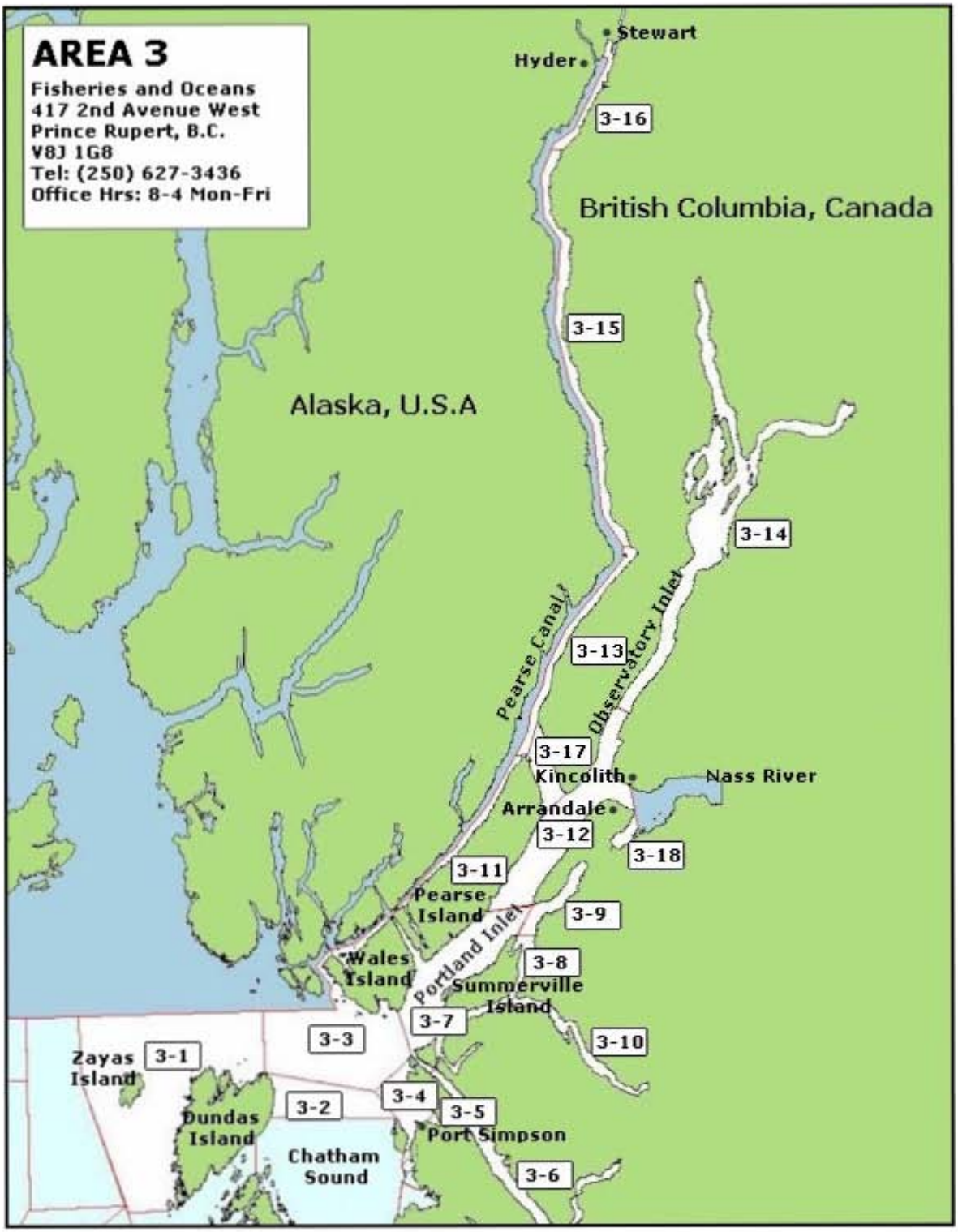
STREAM	SOCKEYE		COHO		PINK		CHUM	
ATHLONG/OTARD SUBAREA								
Celestial River	-		N/I	(1,500)	N/I	(10,000)	N/I	(4,000)
Coates Creek	-		N/I	(5,000)	N/I		N/I	
Hobbs Creek	-		N/I		N/I		N/I	(2,000)
Mace Creek	-		N/I	(1,500)	N/I		N/I	(5,000)
Mercer Creek	1,500	(10,000)	N/I	(2,000)	N/I	(10,000)	N/I	(5,000)
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	
RENNELL SUBAREA								
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	(6,000)	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	
W. SKIDEGATE SUBAREA								
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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3-13
3-17
Kincolith
Nass River
Arrandale
3-12
3-18
3-11
Pearse Island
3-9
Portland Inlet
Wales Island
3-8
Summerville Island
3-7
3-10
3-3
Zayas Island
3-1
3-4
3-2
3-5
Dundas Island
Port Simpson
Chatham Sound
3-6

2009 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 Kw'_alaams (Port Simpson).

b) The Nisga'a Lisms Government - Kincolith, Greenville, Canyon City and Aiyansh.

c) The Gitanyow - Member band Kitwancool.

2009 NASS RIVER STOCK ASSESSMENT UPDATE

All data presented in this update are final in-season estimates and will be updated in November with preliminary post-season estimates.

FINAL IN-SEASON NASS FISHWHEEL & ESCAPEMENT INFORMATION:

The Gitwinksihlkw and Grease Harbour fishwheels operated from 1 June to 12 September 2009. Adult totals included 43,426 sockeye (10,393 tagged), 7132 Chinook (1209 tagged), 20,270 coho (5059 tagged), 1665 steelhead (1594 adipose fin marked), 42,120 pink, 108 chum (93 adipose fin marked) and 483 Pacific Lamprey (468 tagged). All adult catches were well above average with the exception of chum and lamprey. Jack totals were 2371 sockeye, 118 Chinook and 149 coho. Jack catches of sockeye, coho and Chinook were well above average, above average and below average, respectively.

Gingit Creek walks by Nisga'a Fisheries occurred on 31 July, 13 August, 23 August, 2 September, and 10 September. A total of 119 adult sockeye were recovered with tags that had been applied at the Gitwinksihlkw fishwheels in 2009. Of the tags recovered, 97% were applied before 5 July. Of the total 4227 carcasses recovered, 2.8% were tagged. A preliminary estimate of adult sockeye escapement to the system is 9300 using an AUC method (130,400 fish days, 14 d residency time).

The Meziadin Fishway counts started on 1 July. Adult totals to 27 September include: 166,847 sockeye (4860 tag recaps), 331 Chinook (15 tag recaps), 4907 coho (94 tag recaps), and 14 steelhead (2 adipose fin mark recaps). Adult counts to date for sockeye, Chinook and coho are about average, below average and above average, respectively. Jack totals are 12,903 sockeye, 34 Chinook and 103 coho.

The Kwinageese video-weir counts began operations on 12 July. Adult totals to 28 September include 910 Chinook (29 tag recaps), 105 sockeye (0 tag recaps), 3 steelhead (no adipose fin mark recaps), and 1 coho (0 tag recaps).

Damdochax Creek Chinook surveys occurred on 4 September and 13-15 September. A total of 541 adult Chinook carcasses were recovered with 14 tag recoveries.

Aggregate adult escapement estimates to Gitwinksihlkw fishwheels were: 259,981 sockeye, 23,879 Chinook, 166,277 coho and 12,817 summer-run steelhead. Estimates in 2009 were below average, about average, well above average and above average for Upper Nass sockeye, Chinook, coho and summer-run steelhead, respectively. Run size targets were met to Gitwinksihlkw for all species except for sockeye.

All net escapement goals were reached for Upper Nass salmon (223,647 vs. 200,000 for sockeye; 21,010 vs. 15,000 for Chinook; 154,504 vs. 60,000 for coho) and summer-run steelhead (12,703 vs. 4,000 (min. esc. goal)) in 2009 based on in-season data. Meziadin escapement goals for adult sockeye (166,847 vs. 160,000) and coho (4907 vs. ~3500) were reached in 2009; but fell short for Chinook (331 vs. ~475).

FINAL IN-SEASON CATCH INFORMATION:

The total in-season commercial harvest estimates by gillnets and seines in Area 3 for 2009 were: 104,530 sockeye (1795 released), 1,020,083 pink (910 released), 46,427 chum (26,252 released), 1933 coho (10,006 released) and 1296 Chinook (1759 released). Source of data is from DFO Prince Rupert Fisheries Management.

The total in-season harvest estimates of salmon in southeast Alaskan gillnet and seine fisheries in Districts 101 to 104 for 2009 were: 402,481 sockeye, 13,601 Chinook, 21,869,353 pink, 1,327,422 chum, and 424,058 coho. Catches were below average for sockeye, pink and chum, average for Chinook, and above average for coho. Source of data is from the Alaskan Department of Fish and Game. The Nass component of the southeast Alaskan catch of sockeye was approximately 98,000 based on average genetic proportions from 1999 to 2007, and was below average (156,000).

The total in-season Nisga'a catch estimates for 2009 were: 69,446 sockeye, 5129 Chinook, 13,728 coho, 28,395 pink, 139 chum salmon and 233 steelhead. Of the totals, 23,904 sockeye, 3532 Chinook, 3349 coho, 7463 pink, all chum and steelhead were caught in the domestic FSC fishery which was monitored from 7 May to 5 September as part of the Nisga'a Fisheries catch monitoring program. Individual-sale fishery totals included 37,280 sockeye, 20,932 pink, 566 Chinook and 39 coho from 8 marine (25 June to 17 July) and 6 in-river (July 8 to July 23) fisheries that were conducted in 2009. The communal-sale fishery total was 8262 sockeye (July 1-2, July 6-24), 1031 Chinook (July 1-2, July 6-10) and 10,340 coho (Aug 9 to Sep 7) that were selectively harvested from the Grease Harbour fishwheels in 2009.

IN-SEASON TOTAL RETURN TO CANADA (TRTC) & NISGA'A ENTITLEMENT SALMON ESTIMATES:

The final in-season TRTC estimates used by the Nisga'a Fisheries and Wildlife Department for tracking Nisga'a salmon entitlements for 2009 were: 394,000 sockeye, 32,700 Chinook, 304,099 coho, ~2,000,000 pink, and 33,000 chum. The in-season TRTC estimates were substantially less than the pre-season estimates for sockeye (~26,000), Chinook (~7,000), and chum (~2,000), and greater for coho (~3,500) and pink (142,000), not including any past underage accumulation from management uncertainty in generating estimates. Of the final in-season TRTC estimates for 2009, the in-season Nisga'a entitlements would be 59,500 sockeye, 7,000 Chinook, 19,200 coho, 271,028 pink and 2,640 chum.

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LGL Limited (website: http://www.lgl.com)

ESSR Review

No ESSR sockeye opportunities were identified on the Nass River for the 2009 season. Sockeye escapements to the Nass River did not exceed spawning requirements. The Gitanyow did receive a limited economic opportunity to harvest sockeye for sale on the Nass river. This fishery took place at Meziadin.

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 lodge operations set up.

Commerical Net Fishery Summary

The Area 3 net fishery was planned in anticipation of harvesting a surplus of 200,000 Nass sockeye and 2,100,000 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 gillnets to release all live chinook. In addition the Area 3 fishery started the year with non-retention chums for seines and a request for gillnets to release all live chums.

The first Nass gillnet sockeye opening took place June 16 with 146 vessels taking part. A one nautical mile (increased from .5 mile in 2008) ribbon boundary off the shore of Wales Island and a half nautical mile ribbon boundary off the shore of Pearse Island were in place from the start of the season and remained in place for the duration to lower the interception rates of chum migrating to Area 3. Sub area 3-12 was also closed from the beginning of the season and reopened June 29 due to stronger than forecasted chinook returns to Area 3 and to gain access to Area 3 Nass sockeye. Gillnet catches were modest throughout the season and strong out flows were present for most of the openings. High incidental chum catches were of concern during the early part of July (6), in addition to the Wales and Pearse Island shore boundaries, sub area 3-12 was closed to the retention of chum salmon and special request to release of all large chum in the remaining open areas. Since it is believed that these large chum have an Area 3 origin, while the chum that are averaging 8 or 9 lbs are from outside the area.

Nass sockeye escapements began to level off mid July. Vessels travelled south when it was evident that the Skeena River would not open to gillnets for sockeye.

Although water levels in the Nass River were not as severe as past years, the Nisga'a Fisheries did a remarkable job. High and low water levels slightly hampered in river escapement assessment throughout the 2009 season.

The highest number of gill nets operating in Area 3 occurred in early July (6) with a count of 264 gn. The total number of openings was 10 for 2,275 vessel operating days compared to the 10 year average of 20.2 openings and 3,549.5 vessel operating days.

The first seine opening in Area 3 occurred July 13th with 19 vessels participating in the fishery. Sockeye fishing started poor and carried on that way throughout the season. The Sommerville/International Boundary was initiated July 13 until August 5 to reduce the interception of chum returning to Area 3. Sub area 3-12 was opened (initiated July 16 to August 5) to seines within one nautical mile of the Pearse Island shore to access pinks. From August 9 to August 23 fishing was restricted to the outside of Area 3 due to average pink escapement to mid coastal systems.

Pink fishing was moderate in Area 3 and had modest effort due to strong pink fishing in Area 6 which drew most of the effort south.

Inseason indicators (Nisga'a fisheries) recorded strong coho returns in Area 3. Seines were able to retain coho during the later part of the season. (August 14,18,19 & 23 for a total catch of 1,050).

The peak seine fleet operating in Area 3 occurred on July 25 with 23 vessels fishing. The total number of openings for 2009 was 16 for 173 vessel operating days compared to the 10 year average of 18.7 openings and 549 vessel operating days.

The total Area 3 hailed commercial net catch for 2009 was 117,160 sockeye and 1,064,912 pink. This compares to the 10 year average catch of 283,334 sockeye and the five odd year 2,702,528 average of pink.

Commercial Troll
Area 3
Management Plan
Will remain closed with a tentative opening scheduled for September 1 dependant on coho abundance and escapement targets being met.

IFMP Review

Sufficient coho abundance and escapements allowed for the Area to open on September 1st and remain open until September 30th. A total of 361 boat days were utilized in the Area with a catch of 24,898 coho and 458 pink salmon.

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Canada

Fishery Operations System

Commercial SALMON GILL NET In-Season Estimated Catch-by-Area (Pieces) for Area C (North-PR) and for Period 01-Apr-2009 to 27-Nov-2009

Management Area 3

Report Details by Subarea or Portion

Stat Week	Week of Year	Date	Effort	Sockeye Salmon Kept	Coho Salmon Kept	Pink Salmon Kept	Chum Salmon Kept	Chinook Salmon Kept	Status	Last Updated
		16-Jun	146	7525	0	1	77	137	Final	25-Nov-2009
	Total for Week		146	7525	0	1	77	137		
		23-Jun	224	5936	0	2	795	280	Final	25-Nov-2009
	Total for Week		224	5936	0	2	795	280		
		29-Jun	253	17541	0	754	10298	111	Final	25-Nov-2009
		30-Jun	253	8701	0	1091	7728	268	Final	25-Nov-2009
	Total for Week		506	26242	0	1845	18026	379		
		06-Jul	264	15464	0	13129	8598	153	Final	25-Nov-2009
		07-Jul	241	3167	0	3083	3861	151	Final	25-Nov-2009
	Total for Week		505	18631	0	16212	12459	304		
		13-Jul	258	14932	0	52520	8626	27	Final	25-Nov-2009
		14-Jul	224	7569	0	15558	3029	155	Final	25-Nov-2009
	Total for Week		482	22501	0	68078	11655	182		
		20-Jul	206	11449	0	48171	2268	0	Final	25-Nov-2009
		21-Jul	206	11344	0	50370	1917	17	Final	25-Nov-2009
	Total for Week		412	22793	0	98541	4185	17		
Total for Management Area 3 in Period			2275	103628	0	184679	47197	1299		

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Canada

Fishery Operations System

Commercial SALMON SEINE In-Season Estimated Catch-by-Area (Pieces) for Area A (North-PR) and for Period 01-Apr-2009 to 27-Nov-2009

Management Area 3

Report Details by Subarea or Portion

Stat Week	Week of Year	Date	Effort	Sockeye Salmon Kept	Coho Salmon Kept	Pink Salmon Kept	Chum Salmon Kept	Chinook Salmon Kept	Status	Last Updated
		13-Jul	19	2139	0	59263	0	0	Final	27-Nov-2009
		16-Jul	39	2723	0	86734	0	0	Final	27-Nov-2009
	Total for Week		58	4862	0	145997	0	0		
		20-Jul	19	1488	0	126364	0	0	Final	27-Nov-2009
		21-Jul	19	1883	0	200228	0	0	Final	27-Nov-2009
		24-Jul	6	287	0	41265	0	0	Final	27-Nov-2009
		25-Jul	23	3195	0	163057	0	0	Final	27-Nov-2009
	Total for Week		67	6853	0	530914	0	0		
		27-Jul	19	1546	0	67647	0	0	Final	27-Nov-2009
	Total for Week		19	1546	0	67647	0	0		
		04-Aug	8	205	0	31717	0	0	Final	27-Nov-2009
		05-Aug	5	66	0	10900	0	0	Final	27-Nov-2009
	Total for Week		13	271	0	42617	0	0		
		09-Aug	1	0	0	15000	0	0	Final	27-Nov-2009
		10-Aug	1	0	0	4340	0	0	Final	25-Nov-2009
		13-Aug	2	0	0	9199	0	0	Final	25-Nov-2009
		14-Aug	3	0	901	26203	0	0	Final	25-Nov-2009
	Total for Week		7	0	901	54742	0	0		
		18-Aug	5	0	558	16166	0	0	Final	25-Nov-2009
		19-Aug	4	0	492	22150	0	0	Final	25-Nov-2009
	Total for Week		9	0	1050	38316	0	0		
		23-Aug	0	0	0	0	0	0	Final	24-Aug-2009
	Total for Week		0	0	0	0	0	0		
Total for Management Area 3 in Period			173	13532	1951	880233	0	0		

AREA 3 2009 PRELIMINARY ESCAPEMENT ESTIMATES Updated November 26, 2009

N/O - NONE OBSERVED, N/I - NOT INSPECTED, DNS - DOES NOT SPAWN IN THIS CREEK, A/P - ADULTS PRESENT, INADEQUATE IFORMATION TO MAKE ESTIMATE

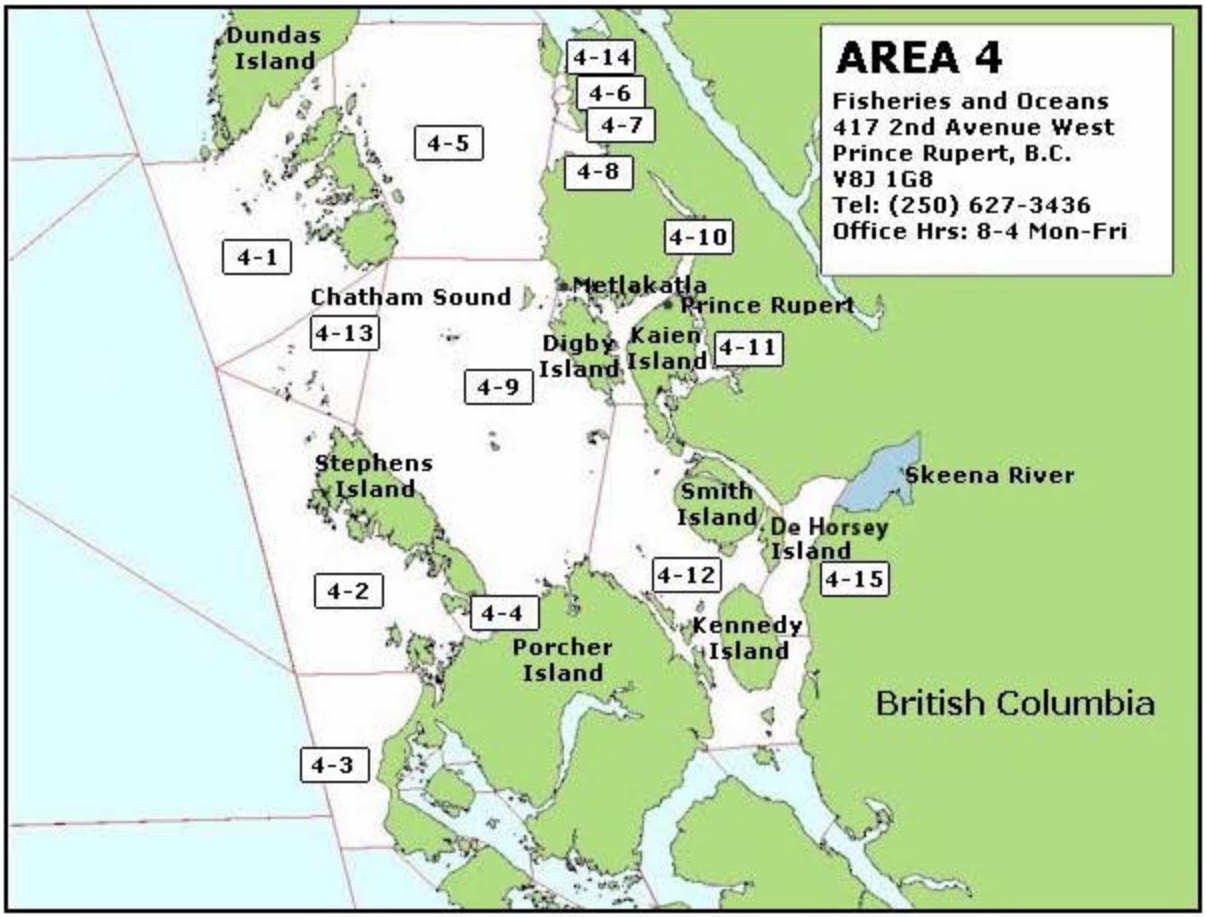
Location	Stream Name	Sockeye	Coho	Pink	Chum	Chinook	Comments
COASTAL							
	BRUNDIGE CREEK	DNS	N/I	2500	N/I	DNS	
	SANDY BAY CREEK	DNS	N/I	6000	N/I	DNS	
	STUMAUN CREEK	DNS	N/I	13800	A/P	DNS	
	TRACY BAY #2 CREEK	DNS	N/I	1700	DNS	DNS	
	TRACY CREEK	DNS	A/P	600	N/I	DNS	
	WHITLY POINT CREEK	DNS	DNS	350	DNS	DNS	
NASS RIVER							
	ANSEDAGAN CREEK	DNS	746	N/I	N/I	DNS	
	BROWN BEAR CREEK	111	A/P	N/I	DNS	N/I	Gitanyow Fisheries
	CHAMBERS CREEK	DNS	N/I	11000	N/O	N/I	
	DAMDOCHAX RIVER AND LAKE	1716	A/P	DNS	DNS	896	GWA
	DISKANGIEG CREEK	DNS	5164	N/I	DNS	N/I	
	GINGIT CREEK	9314	N/I	N/I	N/I	N/I	
	GINLULAK CREEK	DNS	892	N/I	N/I	N/I	
	IKNOUK RIVER	DNS	N/I	200000	N/I	N/I	
	KINCOLITH RIVER	DNS	N/I	18000	N/I	628	
	KSEDIN CREEK	DNS	N/I	2989	51	DNS	
	KWINAGEESE RIVER	105	62	DNS	DNS	910	Weir count
	MEZIADIN RIVER AND LAKE	166404	5430	N/I	N/I	339	Fishway count
	NASS MAIN	A/P	A/P	A/P	A/P	A/P	
	TEIGEN CREEK	DNS	N/I	DNS	DNS	A/P	
	TSEAX RIVER	N/I	N/I	296	12	N/I	
	ZOLZAP CREEK	N/I	2098	N/I	N/I	N/I	
OBSERVATORY INLET							
	GRANBY BAY CREEK	N/I	N/I	400	N/I	N/I	
	ILLIANCE RIVER	DNS	N/I	5670	481	N/I	
	KSHWAN RIVER	DNS	N/I	50	1500	DNS	
	SALMON COVE CREEK	DNS	N/I	1500	DNS	DNS	
	STAGOO CREEK	DNS	N/I	9898	9799	DNS	

	WILAUKS CREEK	DNS	N/I	6680	60	DNS
PORTLAND CANAL						
	DOGFISH BAY CREEK	DNS	N/I	A/P	N/I	DNS
PORTLAND INLET	CEDAR CREEK	DNS	DNS	3450	A/P	DNS
	CRAG CREEK	DNS	DNS	4900	A/P	DNS
	CROW LAGOON CREEK	DNS	A/P	1440	A/P	DNS
	KHUTZEYMATEEN RIVER	N/I	A/P	80,000	3,500	A/P
	KWINAMASS RIVER	N/I	A/P	168000	A/P	260
	LARCH CREEK	DNS	DNS	2100	A/P	DNS
	LIZARD CREEK	DNS	A/P	4400	A/P	DNS
	MANZANITA COVE CREEK	DNS	N/I	2000	N/O	DNS
	MOUSE CREEK	DNS	DNS	8700	A/P	DNS
	PIRATE COVE CREEK	DNS	DNS	1170	DNS	N/I
	TSAMSPANAKNOK BAY CREEK	DNS	A/P	9650	DNS	DNS
WORK CHANNEL	ENSHESHESE RIVER	N/I	N/I	13599	1910	N/I
	LACHMACH RIVER	N/I	A/P	30100	192	N/I
	TOON RIVER	DNS	A/P	29272	3110	N/I
	TOTAL	**179650**	**14390**	**640214**	**20615**	**3033**

NASS / SKEENA FSC CATCH 2009

SKEENA	Sockeye	Coho	Pink	Chum	Chinook	Steelhead
LOWER	33,956	1,698	1,103	29	1,165	122
MID	39589	3,552	14,631	74	5,428	1,538
UPPER	44,949	18			82	
	118,494	**5,268**	**15,734**	**103**	**6,675**	**1,660**

Preliminary and not complete as of Nov 29,2009


AREA 4
Fisheries and Oceans
417 2nd Avenue West
Prince Rupert, B.C.
V8J 1G8
Tel: (250) 627-3436
Office Hrs: 8-4 Mon-Fri
Dundas Island
4-14
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4-10
4-1
Metlakatla
Prince Rupert
Chatham Sound
4-13
Digby Island
Kaien Island
4-11
4-9
Stephens Island
Skeena River
Smith Island
De Horsey Island
4-12
4-15
4-2
4-4
Kennedy Island
Porcher Island
British Columbia
4-3

2009 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 Kw'_alaams (Port Simpson), Metlakata, Kitkatla, Kitsumkalum 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

No ESSR opportunities for sockeye in the Skeena River occurred in 2009 with the exception of a jack sockeye fishery at the Babine Fence. Poor sockeye returns to this system limited adult harvests to aboriginal Food, Social and Ceremonial purposes and also the recreational sector.

Abundant Pink returns to the Skeena in 2009 allowed for Inland economic opportunities to take place as well one ESSR economic opportunity. Both fisheries took place at the Babine fence. Other First Nations declined harvest opportunities due to concerns regarding the viability of a pink harvest with the exception of the Wet'suwet'en at Moricetown who conducted a modest fishery.

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
Nass
Gitanyow
Harvested 1500 sockeye at Meziadin by Dipnet.

Gitanyow
Lake Babine Fence
Pink August 18 – September 20
48,156 pinks were harvested by the LBN at the Babine Fence by Dipnet.

ESSR
Skeena
Wet'suwet'en August 08 – August 28

11,051 pinks were harvested at Moricetown by Dipnet.

Lake Babine First nation August 18 - Sept 20

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 2009.

Commercial Net Fishery Summary

The Area 4 Chinook gillnet fishery opened later in 2009 to assess stock composition and Chinook stock strength past the Skeena Tyee Test Fishery to address concerns of Chinook escapement to Area 4. The first chinook opening on the Skeena took place June 12 & 13 (30 hrs.), 88 gillnets participated for a total catch of 1,102 pieces. Data from the the Tyee Test fishery indicated that the age structure of the chinook salmon returning to the Skeena River were near normal and the Tyee Test index was tracking above normal which resulted in a second opening . The second chinook gillnet opening took place on June 19 (18 hrs) with a catch of 1,336 pieces, 103 gillnets participated in the fishery. The overall catch for the two Chinook openings totalled 2,438 pieces.

The Area 4 net fishery was planned in anticipation of a 2.0 million Skeena sockeye return and an 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 gillnets, time and area closures, harvest rate limitations, daylight only fisheries, mandatory brailing for seines, non-retention chinook for seines, half-length gillnets and 20 minute sets.

Openings were based on Skeena salmon returns, as measured at the Tyee test fishery. Sockeye escapement to the Skeena River returned lower than projected, in turn no sockeye commercial gillnet fishing took place in Area 4. The Skeena River opened to seines for pink fishing with non retention sockeye on August 9 with 2 seines participating. As in Area 3 most of the seine fleet was drawn away to the south to the strong pink catches in Area 6. The few vessels that did decide to stay had above average catches in the first two openings drawing some of the fleet back into Area 4. Peak seine count occurred on August 13 with 19 seines actively fishing.

Area 4 seines fished for a total of 7 openings with 49 vessel operating days compared to the ten year average of 13.2 openings and 342.3 vessel operating days. Total pink catch was recorded at 341,403 pinks compared to the five odd year average of 505,912. (seine average)

A historic look at effort levels taking the average of the 10 years between 1986 and 1995 (pre-fleet reduction) is 15 gillnet openings for 9,553 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.

Commercial Troll
Area 4/104
Management Plan

Harvest areas were adjusted in 2009 and included Subareas 104-1, 104-4 and 104-5 which opened from July 22nd until September 30th.

IFMP Review

A total of 106 boat days were reported from this Area which is adjacent to the Two Peaks. A total of 12,296 coho and 624 pinks salmon were harvested in the Area. A total of 21 Chinook were reported as having been harvested in the Area.

Fisheries and Oceans Canada | Pêches et Océans Canada

Canada

Fishery Operations System

Commercial SALMON GILL NET In-Season Estimated Catch-by-Area (Pieces) for Area C (North-PR) and for Period 01-Apr-2009 to 27-Nov-2009

Management Area 4

Report Details by Subarea or Portion

Stat Week	Week of Year	Date	Effort	Sockeye Salmon Kept	Coho Salmon Kept	Pink Salmon Kept	Chum Salmon Kept	Chinook Salmon Kept	Status	Last Updated
		12-Jun	0	0	0	0	0	0	Final	25-Nov-2009
		13-Jun	88	49	0	0	0	1102	Final	25-Nov-2009
	Total for Week		88	49	0	0	0	1102		
		19-Jun	103	83	0	0	0	1336	Final	25-Nov-2009
	Total for Week		103	83	0	0	0	1336		
Total for Management Area 4 in Period			191	132	0	0	0	2438		

Notes:

1. Consult the applicable Fishery Manager or Biologist as to the status of particular catch estimates.

Printed from the Fishery Operations System on November 27, 2009 at 11:28

Fisheries and Oceans Canada | Pêches et Océans Canada

Canada

Fishery Operations System

Commercial SALMON SEINE In-Season Estimated Catch-by-Area (Pieces) for Area A (North-PR) and for Period 01-Apr-2009 to 27-Nov-2009

Management Area 4

Report Details by Subarea or Portion

Stat Week	Week of Year	Date	Effort	Sockeye Salmon Kept	Coho Salmon Kept	Pink Salmon Kept	Chum Salmon Kept	Chinook Salmon Kept	Status	Last Updated
		09-Aug	2	0	0	45250	0	0	Final	27-Nov-2009
		10-Aug	8	0	0	109750	0	0	Final	25-Nov-2009
		13-Aug	19	0	0	87821	0	0	Final	25-Nov-2009
		14-Aug	13	0	0	66732	0	0	Final	25-Nov-2009
	Total for Week		42	0	0	309553	0	0		
		18-Aug	3	0	0	5066	0	0	Final	25-Nov-2009
		19-Aug	4	0	0	26784	0	0	Final	25-Nov-2009
	Total for Week		7	0	0	31850	0	0		
		23-Aug	0	0	0	0	0	0	Final	24-Aug-2009
	Total for Week		0	0	0	0	0	0		
Total for Management Area 4 in Period			49	0	0	341403	0	0		

Notes:

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Printed from the Fishery Operations System on November 27, 2009 at 11:44

AREA 4 2009 PRELIMINARY ESCAPEMENT ESTIMATES					Last Updated November 26, 2009		
N/O - NONE OBSERVED, N/I - NOT INSPECTED, DNS - DOES NOT SPAWN IN THIS CREEK, A/P - ADULTS PRESENT, INADEQUATE IFORMATION TO MAKE ESTIMATE, ? = INFORMATION EXPECTED							
Location	**Stream Name**	**Sockeye**	**Coho**	**Pink**	**Chum**	**Chinook**	**Comments**
BABINE							
	BABINE RIVER - SECTIONS 1, 2 AND 3	77680	N/I	N/I	DNS	1294	
	BABINE RIVER - SECTION 4	A/P	A/P	A/P	N/I	2333	
	BABINE RIVER - SECTION 5	N/I	N/I	N/I	N/I	923	
	BABINE UNACCOUNTED *	55270	7257	454537	N/I	A/P	
	BERNANN CREEK (DEEP CR.)	N/O	DNS	DNS	DNS	DNS	
	BOUCHER CREEK	125	A/P	8520	N/I	A/P	
	DONALDS CREEK						
	FIVE MILE CREEK	N/I	N/I	N/I	N/I	N/I	
	FORKS CREEK						
	FOUR MILE CREEK	4000	DNS	DNS	DNS	DNS	
	FULTON RIVER	341693	1826	60	N/I	N/I	
	HAZELWOOD CREEK						
	KEW CREEK						
	MORRISON CREEK	6640	A/P	A/P	DNS	DNS	
	NICHYESKWA RIVER	A/P	A/P	1600	DNS	N/I	
	NILKITKWA RIVER	239	356	DNS	DNS	N/I	
	NINE MILE CREEK	600	A/P	1300	DNS	DNS	
	PENDELTON CREEK (CROSS CR.)						
	PIERRE CREEK	9100	A/P	A/P	DNS	DNS	
	PINKUT CREEK	136831	A/P	N/O	DNS	N/O	
	SHASS CREEK	A/P	N/I	DNS	DNS	DNS	
	SIX MILE CREEK (GULLWING CR.)	A/P	DNS	A/P	DNS	DNS	
	SOCKEYE CREEK	A/P	DNS	DNS	DNS	DNS	
	SUTHERLAND RIVER	A/P	N/I	DNS	DNS	DNS	
	TACHEK CREEK	770	N/I	110	DNS	DNS	
	TAHLO CREEK - (LOWER)	3450	N/I	DNS	DNS	DNS	
	TAHLO CREEK - UPPER (SALMON CR.)	A/P	N/I	DNS	DNS	DNS	
	TELZATO CREEK						
	TSEZAKWA CREEK	710	A/P	3100	DNS	DNS	
	TWAIN CREEK	530	DNS	N/I	DNS	DNS	
	WRIGHT CREEK (BIG LOON CR.)	N/O	DNS	DNS	DNS	DNS	
	*Sockeye estimate is fence count minus estimates for specific systems above fence						
BEAR							
	ASITKA LAKE	390	329	DNS	DNS	N/I	
	AZUKLOTZ CREEK	1170	A/P	DNS	DNS	DNS	
	BEAR LAKE	760					
	BEAR RIVER	N/I	2681	N/I	DNS	8597	
	CHIPMUNK	N/I	A/P	N/I	N/I	N/I	
	DAMSHILGWIT CREEK	168	3120	N/O	N/O	N/O	
	DEEP CANOE CREEK						
	JOHANSON CREEK AND LAKE						
	KLUATANTAN RIVER	N/I	N/I	N/I	N/I	A/P	
	KLUAYAZ CREEK AND LAKE						
	MOOSEVALE CREEK						
	MOTASE LAKE	A/P	262	N/I	N/I	A/P	
	SALIX CREEK	N/I	N/I	DNS	DNS	DNS	
	SHILAHOU CREEK	N/O	N/O	N/O	DNS	40	
	SICINTINE RIVER AND LAKE						
	SLAMGEESH RIVER						
	SPAWNING LAKE						
	SUSTUT RIVER AND LAKE*	540	223	DNS	DNS	273	
BULKLEY / MORICE							
	ATNA RIVER AND LAKE	N/I	N/I	DNS	DNS	A/P	
	BLUNT CREEK						
	BUCK CREEK						
	BULKLEY RIVER - LOWER						
	BULKLEY RIVER - UPPER	N/I	N/I	N/I	DNS	250	
	CANYON CREEK						
	CAUSQUA CREEK						
	DEEP CREEK						
	DRIFTWOOD CREEK						
	GOSNELL CREEK	DNS	1200	N/I	DNS	N/I	
	HAROLD PRICE CREEK	A/P	A/P	N/I	N/I	A/P	
	KATHLYN CREEK						
	LAMPREY CREEK	DNS	N/O	DNS	DNS	DNS	
	MAXAN CREEK						
	MORICE LAKE	A/P	N/I	DNS	DNS	DNS	
	MORICE RIVER	N/I	N/I	N/I	DNS	12082	
	NANIKA RIVER	10310	A/P	N/I	DNS	283	
	OWEN CREEK	DNS	A/P	N/I	DNS	DNS	
	REISETER CREEK						
	RICHFIELD CREEK						
	STATION CREEK						
	SUSKWA RIVER						

AREA 4 2009 PRELIMINARY ESCAPEMENT ESTIMATES					Last Updated November 26, 2009		
	TELKWA RIVER	DNS	A/P	DNS	DNS	DNS	
	THAUTIL RIVER						
	TOBOGGAN CREEK	DNS	6130	N/I	DNS	N/I	
	TROUT CREEK						
	TOUHY CREEK	N/I	A/P	N/I	N/I	N/I	
	WAN CREEK						
COASTAL							
	AIRPORT DOCK CREEK						
	ANTIGONISH CREEK						
	BIG FALLS CREEK						
	BIG USELESS CREEK						
	CHISMORE CREEK						
	DENISE CREEK						
	DIANA CREEK	2200	A/P	N/I	N/I	N/I	
	ECSTALL RIVER						
	EKUMSEKUM CREEK						
	HAYS CREEK	DNS	A/P	N/I	DNS	DNS	
	HAYWARD CREEK						
	HUMPBACK CREEK						
	HUNTS INLET CREEK						
	JOHNSTON CREEK						
	JOHNSTON LAKE						
	KHYEX RIVER						
	KLOIYA RIVER	DNS	N/I	A/P	N/I	260	
	LA HOU CREEK	DNS	N/I	24700	A/P	DNS	
	LITTLE USELESS CREEK						
	LOCKERBY CREEK						
	MADELINE CREEK						
	MCNEIL RIVER						
	MCNICHOL CREEK						
	MOORE COVE CREEK						
	MORESBY CREEK						
	MUDDY CREEK						
	OLDFIELD CREEK	DNS	A/P	N/I	N/I	DNS	
	OONA RIVER	DNS	A/P	15400	A/P	DNS	
	PRUDHOMME CREEK	800	N/I	A/P	N/I	DNS	
	SCOTT INLET CREEK						
	SHAWATLAN RIVER	850	A/P	A/P	N/I	A/P	
	SILVER CREEK	DNS	A/P	7500	A/P	N/I	
	SLIPPERY ROCK CREEK						
	SPARKLING CREEK						
	SPILLER RIVER	DNS	N/O	3100	DNS	DNS	
	SWAMP ISLAND CREEK						
	WOLF CREEK						
KISPIOX							
	BARNES CREEK	170	N/I	DNS	DNS	DNS	
	BEAVERLODGE CREEK	DNS	A/P	DNS	DNS	DNS	
	BIG FISH CREEK						
	BROWN PAINT CREEK						
	CLIFFORD CREEK	N/I	63	A/P	N/I	N/I	
	CLUB CREEK (LOWER)	9522	A/P	DNS	DNS	N/I	
	CLUB CREEK (UPPER)	387	N/O	N/O	N/O	N/O	
	CULLON CREEK	N/I	434	N/I	N/I	N/I	
	DATE CREEK	A/P	25	A/P	A/P	N/I	
	FALLS CREEK	381	N/I	DNS	DNS	DNS	
	FOOTSORE CREEK	DNS	83	DNS	DNS	DNS	
	FOOTSORE CREEK UPPER	DNS	A/P	DNS	DNS	DNS	
	HODDER CREEK	N/I	20	DNS	DNS	DNS	
	IRONSIDE CREEK	DNS	A/P	N/I	DNS	DNS	
	JACKSON CREEK	104	N/I	DNS	DNS	DNS	
	KISPIOX RIVER	A/P	A/P	A/P	A/P	A/P	
	LITTLE FISH CREEK						
	MCCULLY CREEK	A/P	A/P	A/P	A/P	N/I	
	MCQUEEN CREEK						
	MURDER CREEK	N/O	80	N/O	N/O	N/O	
	NANGEESE RIVER	N/I	1266	A/P	N/I	N/I	
	SKUNSNAT CREEK	DNS	28	N/I	DNS	DNS	
	STEEP CANYON CREEK	N/I	31	N/I	N/I	N/I	
	STEPHENS CREEK						
	UNNAMED SWAN LAKE CREEK	10	N/I	DNS	DNS	DNS	
	SWEETIN RIVER						
	TWIN CREEK						
	WILLIAMS LAKE CREEK						
KITSUMKALUM							
	ALICE CREEK						
	ALLARD CREEK						
	CEDAR RIVER	N/I	N/I	DNS	DNS	350	
	CLEAR CREEK						
	COHOE CREEK						

AREA 4 2009 PRELIMINARY ESCAPEMENT ESTIMATES					Last Updated November 26, 2009		
	CULP CREEK						
	DEEP CREEK						
	DRY CREEK	100	N/O	DNS	DNS	DNS	
	GEORGE CREEK						
	GLACIER CREEK						
	GOAT CREEK						
	KITSUMKALUM LAKE	4100	DNS	DNS	DNS	DNS	
	KITSUMKALUM RIVER - LOWER	DNS	N/I	N/I	N/I	10703	
	KITSUMKALUM RIVER - UPPER						
	LEAN-TO CREEK						
	LUNCHEON CREEK						
	MAYO CREEK						
	NELSON RIVER						
	PONTOON CREEK						
	SKI HILL CREEK						
	SPRING CREEK						
	STAR CREEK						
LAKELSE							
	ANDALAS CREEK						
	BLACKWATER CREEK						
	CLEARWATER CREEK	N/I	700	N/I	DNS	DNS	
	COLDWATER CREEK						
	COTE CREEK						
	DASQUE CREEK						
	GAINEY CREEK	20	N/I	N/I	N/I	N/I	
	GOSSEN CREEK						
	HATCHERY CREEK	DNS	N/I	120	DNS	DNS	
	HERMAN CREEK						
	HOTSPRING CREEK						
	HOTSPRING SLOUGH						
	KILLUTSAL CREEK						
	LAKELSE RIVER	DNS	A/P	1205000	N/I	A/P	
	MINK CREEK						
	NORTH HATCHERY CREEK						
	SALMON CREEK	21	N/I	DNS	DNS	DNS	
	SCHULBUCKHAND CREEK	142	N/I	A/P	DNS	DNS	
	SOCKEYE CREEK	200	N/I	A/P	DNS	DNS	
	WHITE CREEK						
	WILLIAMS CREEK	3105	A/P	230	DNS	N/I	
OTHER LOWER SKEENA							
	ABERDEEN CREEK						
	ALASTAIR LAKE	650	N/I	DNS	DNS	DNS	
	ALWYN CREEK						
	ANDESITE CREEK	DNS	DNS	1722	107	N/I	
	DOG TAG CREEK	DNS	N/I	A/P	A/P	A/P	
	ERLANDSEN CREEK	DNS	200	500	A/P	50	
	ESKER SLOUGH						
	EXCHAMSIIKS RIVER	N/I	1200	2600	A/P	100	
	EXSTEW RIVER AND SLOUGH	N/I	2500	2000	N/I	A/P	
	GITNADOIX RIVER	DNS	2000	13000	A/P	A/P	
	INVER CREEK						
	KADEEN CREEK	DNS	N/I	N/I	N/I	A/P	
	KASIKS RIVER	N/I	3500	28000	40	85	
	KWINITSA CREEK						
	MAGAR CREEK	DNS	500	1400	N/I	150	
	MIDDLE CREEK						
	MOLYBDENUM CREEK	DNS	175	N/I	DNS	DNS	
	NORTH GRANITE CREEK						
	SCOTIA RIVER						
	SHAMES RIVER						
	SHAMES SLOUGH						
	SKEENA RIVER						
	SOUTHEND CREEK	10600	N/I	DNS	DNS	DNS	
	THORNHILL CREEK						
	WEST SIDE CREEK						
	WHITEBOTTOM CREEK						
	ZYMAGOTITZ RIVER	DNS	1700	N/I	N/I	N/I	
OTHER MIDDLE SKEENA							
	BURDICK CREEK						
	CHICAGO CREEK						
	CHIMDEMASH CREEK						
	COLE CREEK						
	COMEAU CREEK						
	COYOTE CREEK						
	DEEP CANYON CREEK						
	ELF CREEK						
	FIDDLER CREEK	N/I	333	A/P	A/P	A/P	
	GLEN VOWELL CREEK						
	HARDSCRABBLE CREEK						
	HAZELTON CREEK						

AREA 4 2009 PRELIMINARY ESCAPEMENT ESTIMATES					Last Updated November 26, 2009		
	KITSEGUECLA RIVER	N/I	A/P	N/I	N/I	N/I	
	KITSUNS CREEK						
	KITWANGA RIVER (fence count)	3047	12080	559865	829	824	
	KLEANZA CREEK	N/I	N/I	33000	16	N/I	
	LEGATE CREEK						
	LIMONITE CREEK						
	LITTLE OLIVER CREEK						
	LORNE CREEK						
	LOWRIE CREEK						
	MOONLIT CREEK						
	NOBLE FIVE CREEK						
	PRICE CREEK						
	SALMON RUN CREEK	DNS	500	DNS	DNS	N/I	
	SHANDILLA CREEK						
	SHANNON CREEK						
	SHEGUNIA RIVER	N/I	N/I	N/I	N/I	A/P	
	SIMPSON CREEK						
	SINGLEHURST CREEK	N/I	600	N/I	DNS	DNS	
	THOMAS CREEK						
	TRAPLINE CREEK						
	WILSON CREEK						
	ZYMOETZ RIVER - LOWER						
	ZYMOETZ RIVER - UPPER	1579	A/P	N/O	N/I	A/P	
	TOTAL ALL AREAS	**688964**	**51402**	**2367364**	**992**	**38597**	

NASS / SKEENA FSC CATCH 2009

SKEENA	Sockeye	Coho	Pink	Chum	Chinook	Steelhead
LOWER	33,956	1,698	1,103	29	1,165	122
MID	39589	3,552	14,631	74	5,428	1,538
UPPER	44,949	18			82	
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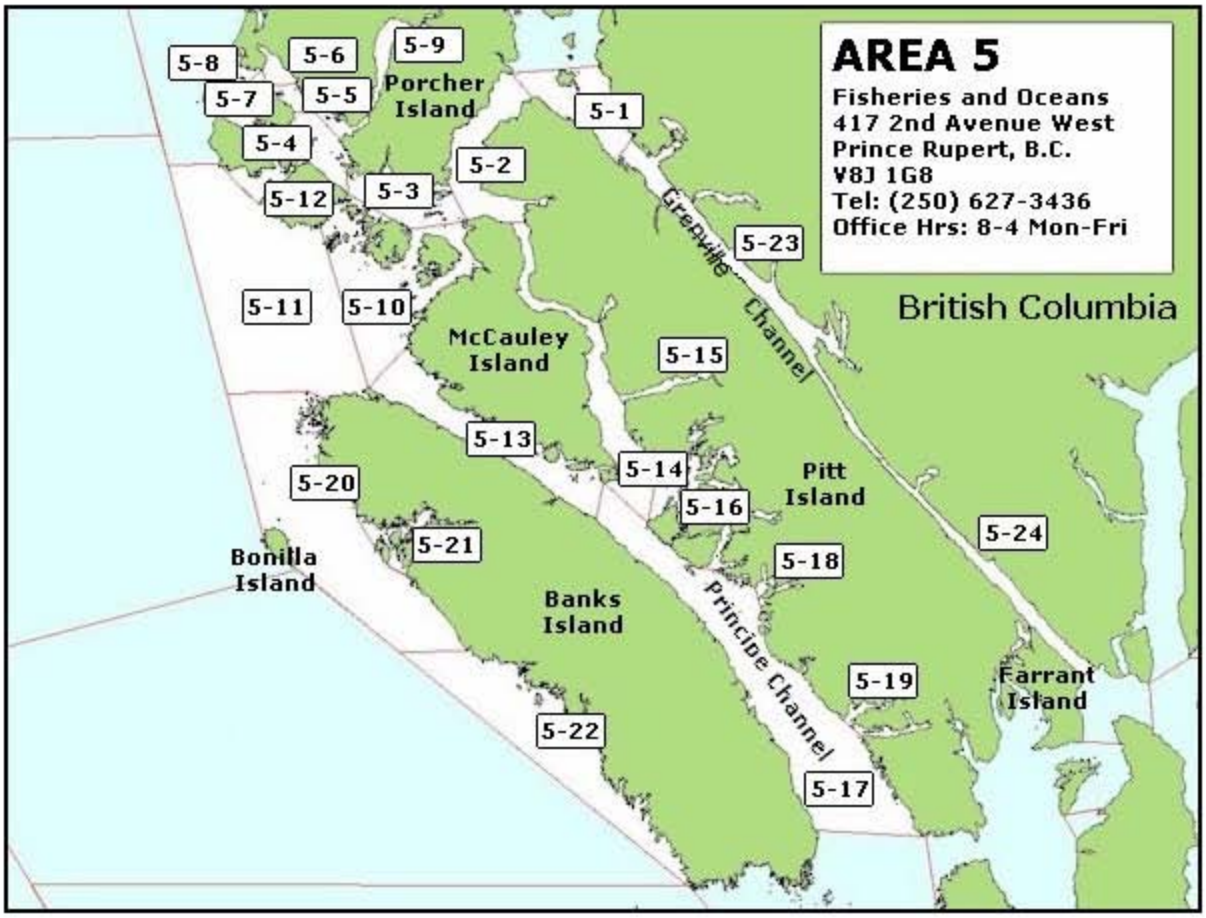
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5-17
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5-21
5-22
5-23
5-24
Porcher Island
McCauley Island
Pitt Island
Banks Island
Bonilla Island
Farrant Island
Grenville Channel
Principe Channel

2009 Post Season Summary and Assessment

Area 5

First Nations

There are six Tribal Groups that fish for Food, Social and Ceremonial purposes in Area 5 of the Skeena River. These are:

a) The Tsimshian Communities are Lax Kw'_alaams (Port Simpson), Metlakata, Kitkatla, KitsumKalum and Kitselas.

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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.

Due to low sockeye escapement to the Skeena River, Area 5 was not opened to gillnets. Area 5 seines were open in conjunction with Area 4 to intercept Skeena River pinks and later timing Area 5 stocks. All pink fisheries were opened with non retention sockeye.

The seine fishery started August 9 and closed August 24 for a total of 8 openings and 23 vessel operating days compared to the 10 year average of 14 openings and vessel operating days of 57.2. Peak seine effort in Area 5 was on August 14 and 19 with 6 seines actively fishing. Effort in Area 5 reduced significantly for seines due to strong pink fishing in Area 6.

Total pink commercial catch for Area 5 was 131,704 pinks.

Commercial Troll
Area 5/105
Management Plan
The majority of Area 5 was closed again for the 2009 salmon season. Portions of Subareas 105-1 and 105-2 were opened on July 22nd as per the IFMP. The Rockfish Protection Area closure in Subarea 105-1 was in effect.

IFMP Review
A total of 68 boat days were reported in Subarea 105-1 with 7,886 coho and 736 pinks harvested.

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Fishery Operations System

Commercial SALMON SEINE In-Season Estimated Catch-by-Area (Pieces) for Area A (North-PR) and for Period 01-Apr-2009 to 27-Nov-2009

Management Area 5

Report Details by Subarea or Portion

Stat Week	Week of Year	Date	Effort	Sockeye Salmon Kept	Coho Salmon Kept	Pink Salmon Kept	Chum Salmon Kept	Chinook Salmon Kept	Status	Last Updated
		09-Aug	0	0	0	0	0	0	Final	10-Aug-2009
		10-Aug	1	0	0	8272	0	0	Final	25-Nov-2009
		13-Aug	1	0	0	6727	0	0	Final	27-Nov-2009
		14-Aug	6	0	0	25408	0	0	Final	25-Nov-2009
	Total for Week		8	0	0	40407	0	0		
		18-Aug	4	0	0	29663	0	0	Final	25-Nov-2009
		19-Aug	6	0	0	39734	0	0	Final	25-Nov-2009
	Total for Week		10	0	0	69397	0	0		
		23-Aug	1	0	0	5500	0	0	Final	25-Nov-2009
		24-Aug	4	0	0	16400	0	0	Final	25-Nov-2009
	Total for Week		5	0	0	21900	0	0		
Total for Management Area 5 in Period			23	0	0	131704	0	0		

Notes:
1. Consult the applicable Fishery Manager or Biologist as to the status of particular catch estimates.

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AREA 5 2009 PRELIMINARY ESCAPEMENT ESTIMATES					Last Updated November 16, 2009			
N/O - NONE OBSERVED, N/I - NOT INSPECTED, DNS - DOES NOT SPAWN IN THIS CREEK, A/P - ADULTS PRESENT, INADEQUATE IFORMATION TO MAKE ESTIMATE								
Location	Stream Name	Sockeye	Coho	Pink	Chum	Chinook		
LOWER GRENVILLE								
	BELOWE CREEK	DNS	75	6050	335	DNS		
	LOWE INLET SYSTEM	A/P	A/P	A/P	A/P	DNS		
	RED BLUFF CREEK	DNS	A/P	A/P	A/P	DNS		
	STEWART CREEK	DNS	A/P	2600	575	DNS		
	SYLVIA CREEK	A/P	A/P	A/P	A/P	DNS		
	TSIMTACK LAKE SYSTEM	35	175	1880	280	DNS		
LOWER PRINCIPE								
	KOORYET CREEK	A/P	A/P	7000	A/P	DNS		
OGDEN / KITKATLA								
	ALPHA CREEK	DNS	A/P	29100	N/I	DNS		
	CAPTAIN COVE CREEK	N/I	A/P	9800	30	DNS		
PETREL CHANNEL / ALA PASS								
	HEVENOR INLET CREEKS							
	MARKLE INLET CREEK	N/I	A/P	20	460	DNS		
	SHAW CREEK	DNS	A/P	15000	DNS	DNS		
	WILSON INLET CREEK	DNS	N/I	A/P	1000	DNS		
PORCHER INLET								
	HEAD CREEK	N/I	A/P	5700	18	DNS		
	WOLF CREEK	DNS	A/P	2000	A/P	DNS		
UPPER GRENVILLE								
	KLEWNUGGIT INLET CREEKS	N/I	N/I	700	170	DNS		
	KUMEALON CREEK	A/P	A/P	68000	850	200		
	KXNGEAL CREEK	DNS	A/P	2100	130	DNS		
	PA-AAT RIVER	A/P	A/P	14400	150	DNS		
	AREA 5 TOTAL	**35**	**250**	**164350**	**3998**	**200**		


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
Kitimat
6-1
Maitland Island
Douglas Channel
Hawkesbury Island
British Columbia
Kemano Bay
Gardner Canal
6-2
6-3
6-4
Pitt Island
Gribbell Island
Principe Channel
Farrant Island
6-28
6-7
Fin Island
Banks Island
6-6
6-21
6-27
6-5
6-8
Gil Island
6-22
6-20
6-26
6-23
6-9
Trutch Island
Campanina Island
Princess Royal Island
6-24
6-10
6-12
6-11
6-19
6-14
6-13
6-15
6-25
Aristazabal Island
6-16
6-18
Swindle Island
6-17
Price Island

2009 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. 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.

Commerical Net Fishery Summary

The Area 6 net fishery was planned in anticipation of good pink returns, poor wild chum returns and uncertain returns for 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 opening was on July 13th in Douglas Channel. Early in the year chum escapements to the Kitimat River looked good and brood stock capture for the hatchery went well. Chum catches were moderate all year and the fleet size started out low but increased as the season progressed. Early in August brood stock collection and stream assessments suggested a lack of later timed chum. The last fishery took place August 04 and remained closed for the remainder of the year.

The peak number of gill nets operating in Area 6 was on August 04 with 76 vessels. Total number of gill net days was 6 for 222 vessel operating days compared to the 10 year average of 18 openings and 506 vessel operating days. The total Area 6 gill net catch was 29,000 chums compared to the 10 year average of 76,000.

The seine fishery started on July 13th. Pink catches started out well and remained excellent throughout the year. Pink returns to streams were good to excellent (although lagging behind expected timing) with the exception of specific systems which resulted in fishing area restrictions in order to build those escapements. Coho returned much better than expected and retention was allowed for the last four days of the fishery. Total number of seine net days was 17 for 638 vessel operating days compared to the 5 odd year average of 12 openings and 305 vessel operating days. The total Area 6 seine net catch was 6.6 million pink compared to the 5 odd year average of 1.3 million. The on grounds hail information suggests that this was a record catch of pink, beating the previous record by over 300,000.

Commercial Troll
Area 6/106
Management Plan
These areas were closed for the 2009 salmon season in consideration of conserving Central coast coho salmon stocks.

Commercial Troll Review
Area 6 and 106 did not open this year.

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Fishery Operations System

Commercial SALMON GILL NET In-Season Estimated Catch-by-Area (Pieces) for Area C (North-PR) and for Period 01-Apr-2009 to 27-Nov-2009

Management Area 6

Report Details by Subarea or Portion

Stat Week	Week of Year	Date	Effort	Sockeye Salmon Kept	Coho Salmon Kept	Pink Salmon Kept	Chum Salmon Kept	Chinook Salmon Kept	Status	Last Updated
		13-Jul	16	253	0	2396	3219	32	Final	27-Oct-2009
		14-Jul	17	134	0	1589	2301	13	Final	27-Oct-2009
	Total for Week		33	387	0	3985	5520	45		
		20-Jul	30	255	0	5772	4800	24	Final	27-Oct-2009
	Total for Week		30	255	0	5772	4800	24		
		27-Jul	45	140	0	4523	4957	8	Final	27-Oct-2009
		28-Jul	38	143	0	3106	4172	5	Final	27-Oct-2009
	Total for Week		83	283	0	7629	9129	13		
		04-Aug	76	161	0	2410	9888	2	Final	27-Oct-2009
	Total for Week		76	161	0	2410	9888	2		
Total for Management Area 6 in Period			222	1086	0	19796	29337	84		

Notes:

1. Consult the applicable Fishery Manager or Biologist as to the status of particular catch estimates.

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Fishery Operations System

Commercial SALMON SEINE In-Season Estimated Catch-by-Area (Pieces) for Area A (North-PR) and for Period 01-Apr-2009 to 27-Nov-2009

Management Area 6

Report Details by Subarea or Portion

Stat Week	Week of Year	Date	Effort	Sockeye Salmon Kept	Coho Salmon Kept	Pink Salmon Kept	Chum Salmon Kept	Chinook Salmon Kept	Status	Last Updated
		13-Jul	20	3262	0	56365	0	0	Final	27-Oct-2009
	Total for Week		20	3262	0	56365	0	0		
		20-Jul	36	11435	0	533340	0	0	Final	27-Oct-2009
		21-Jul	33	5212	0	372772	0	0	Final	27-Oct-2009
		24-Jul	46	4282	0	453644	0	0	Final	27-Oct-2009
	Total for Week		115	20929	0	1359756	0	0		
		27-Jul	37	3505	0	493154	350	0	Final	27-Oct-2009
		30-Jul	54	3627	0	533711	0	0	Final	27-Oct-2009
		31-Jul	51	3868	0	510209	0	0	Final	27-Oct-2009
	Total for Week		142	11000	0	1537074	350	0		
		04-Aug	43	2750	0	799166	0	0	Final	27-Oct-2009
		05-Aug	48	2657	0	664249	0	0	Final	27-Oct-2009
	Total for Week		91	5407	0	1463415	0	0		
		09-Aug	57	2865	0	458686	0	0	Final	09-Nov-2009
		10-Aug	44	1769	0	295416	0	0	Final	27-Oct-2009
		13-Aug	25	870	0	280675	0	0	Final	27-Oct-2009
		14-Aug	28	979	0	273116	0	0	Final	27-Oct-2009
	Total for Week		154	6483	0	1307893	0	0		
		18-Aug	35	823	5583	350727	0	0	Final	27-Oct-2009
		19-Aug	35	708	4412	274225	0	0	Final	27-Oct-2009
	Total for Week		70	1531	9995	624952	0	0		
		23-Aug	26	558	3778	172853	0	0	Final	27-Oct-2009
		24-Aug	21	339	2141	113764	0	0	Final	27-Oct-2009
	Total for Week		47	897	5919	286617	0	0		
Total for Management Area 6 in Period			639	49509	15914	6636072	350	0		

Area 6 2009 Escapement Summary (Preliminary Nov 18 2009)							
Location	Stream Name	Sockeye	Coho	Pink	Chum	Chinook	
ARISTAZABAL ISLAND WEST							
	BORROWMAN CREEK		A/P	17500	110		
	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	3000	325		
	FLUX CREEK	A/P	N/I	300	1200		
	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		NI	2000	A/P		
	BIG TILLHORNE RIVER	NO	A/P	7900	63		
	EVELYN CREEK	1400	700	15700	290		
	FISHTRAP BAY CREEK		NI	A/P	A/P		
	FOCH RIVER	A/P		5000	1900	A/P	
	GILTTOYEES CREEK		A/P	A/P	A/P	A/P	
	GOAT RIVER		A/P	900	A/P		
	GRIBBLE ISLAND CREEK		NI	6400	15		
	HARTLEY BAY CREEK	970	1600	2500	18		
	HAWKSBURY ISLAND CREEK		NI	2100	5		
	HUGH CREEK	A/P	1400	35000	145		
	KEESIL CREEK	NI	NI	NI	NI		
	KIHESS CREEK		NI	200	6		
	KISKOSH CREEK	A/P	300	13000	50		
	KITKIATA CREEK	A/P	A/P	28000	6		
	LITTLE TILLHORNE RIVER		NI	300	14		
	MISSED CREEK	NO	A/P	1000	4		
	PIKE CREEK		A/P	20000	A/P		
	QUAAL RIVER	A/P	A/P	158000	2000	A/P	
	RIORDAN RIVER		500	4700	42		
	VERNEY PASSAGE CREEK	A/P	4	8000	20		
	WEEWANIE CREEK		NI	22200	375		
FRASER - GRAHAM REACH							
	AALTANHASH RIVER		1250	10000	30	A/P	
	CANOONA RIVER	3400	A/P	14000	A/P		
	DOME CREEK (HEAD CR.)		N/I	4600	50		
	GREEN RIVER	A/P	1850	50000	1800		
	KHUTZE RIVER		A/P	65000	1100	A/P	
	KLEKANE RIVER		N/I	3000	35		
	MARMOT COVE CREEK		N/I	3000	20		
	MARSHALL CREEK		N/I	6000	25		
	MCKAY CREEK	A/P	A/P	8500	1600		
	MEYERS PASS CREEK	N/I	N/I	N/I	N/I	N/I	
	SCOW BAY CREEK		A/P	11500	120		
	SODA CREEK		A/P	16000	350		
	TAYLOR CREEK	N/I	N/I	700	10	N/I	
GARDNER CHANNEL							
	BRIM RIVER		1800	70000	480	A/P	
	CRAB RIVER		NI	4500	20		
	HOTSPRING CREEK		NI	2100	70		

Area 6 2009 Escapement Summary (Preliminary Nov 18 2009)							
Location	Stream Name	Sockeye	Coho	Pink	Chum	Chinook	
	KEMANO RIVER	A/P	A/P	632000	2500	A/P	
	KILTUISH RIVER	A/P	1200	6430	1100	NO	
	KITLOPE RIVER	20000	A/P	A/P	A/P	A/P	
	KOWESAS RIVER		NI	NI	NI	NI	
	PARIL RIVER		2000	1800	18		
	TSAYTIS RIVER		NI	NI	A/P	NI	
	WAHOO CREEK		3660	17000	A/P	322	
KITIMAT ARM							
	ANDERSON CREEK	NO	400	47860	NO		
	BEAVER CREEK	NI	NI	NI	NI		
	BISH CREEK		A/P	400000	A/P		
	BOLTON CREEK		NI	NI	NI		
	BOWBEYES CREEK		NI	NI	NI		
	CORDELLA CREEK		NI	NI	NI		
	DALA RIVER	NO	5230	338000	A/P	A/P	
	EAGLE BAY RIVER		NI	30500	10		
	EMSLEY CREEK		NI	35000	A/P		
	FALLS RIVER		NI	NI	NI		
	KILDALA RIVER	NO	8240	100000	NI	A/P	
	KITIMAT RIVER: * tribs below	1500	Good	Excellent	A/P	A/P	
	*Cecil Creek			15500	NO	12	
	*Chist Creek			21500	560	55	
	*Humphrys Creek	A/P	400	10800	515	8	
	*Hirsch Creek			34500	3100	340	
	*Little Wedeene River		1500	23500	190	280	
	M.E.S.S. CREEK		NI	NI	NI		
	MOORE CREEK		NO	8000	NO		
	PINE CREEK		NI	NI	NI		
	WATHL CREEK		NI	3000	200		
	WATHLSTO CREEK		NI	4000	A/P		
LAREDO CHANNEL - CAMPANIA SOUND							
	ARGYH CREEK		N/I	N/I	N/I		
	BARNARD CREEK		A/P	22500	850		
	BLACKROCK CREEK		A/P	8000	275		
	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	2700	300		
	CRIDGE INLET CREEK	N/I	N/I	N/I	N/I		
	DOUGLAS CREEK	N/I	N/I	N/I	N/I		
	EAST ARM CREEK		1500	1500	50		
	EVINRUDE CREEK	N/I	N/I	N/I	N/I		
	FURY CREEK	N/I	A/P	5000	A/P		
	GIL CREEK		A/P	80000	500		
	HOME BAY CREEKS		N/I	150			
	KENT INLET LAGOON CREEK	N/I	N/I	N/I	N/I		
	LIMESTONE CREEK	N/I	N/I	N/I	N/I		
	MCMICKLING CREEK		N/I	N/I	N/I		
	PENN CREEK		N/I	N/I	N/I		
	RIVERS BIGHT CREEK		N/I	1200	110		
	ROLAND CREEK		A/P	N/I	N/I		
	TALAMOOSA CREEK	N/I	N/I	N/I	N/I		
	TURN CREEK		A/P	50000	250		
	TURTLE CREEK		A/P	30000	400		
	TUWARTZ CREEK		N/I	N/I	N/I		
	WALE CREEK		500	2500	N/I		
	WEST ARM CREEK	N/I	A/P	A/P	A/P		
	WHALEN LAKE CREEK		150	1200	10		
	WINDY ISLAND CREEK			N/I	N/I		
LAREDO SOUND							
	ARNOUP CREEK		A/P	20000	A/P		
	BLEE CREEK	A/P	110	2500	70		
	BLOOMFIELD CREEK	820	A/P	10000	110		
	BUSEY CREEK	N/I	N/I	N/I	N/I		
	DALLAIN CREEK	N/I	N/I	N/I	N/I		

Area 6 2009 Escapement Summary (Preliminary Nov 18 2009)							
Location	Stream Name	Sockeye	Coho	Pink	Chum	Chinook	
	DALLY CREEK		A/P	2200	250		
	FIFER CREEK		A/P	6000	A/P		
	GULL CREEK	N/I	N/I	N/I	N/I		
	KWAKWA CREEK	N/I	N/I	N/I	N/I		
	NIAS CREEK	N/I	A/P	25000	10000		
	OSMENT CREEK		N/I	N/I	N/I		
	PACKE CREEK		N/I	N/I	N/I		
	POWLES CREEK	N/I	A/P	8000	15		
	PRICE CREEK	N/I	N/I	500	3700		
	PYNE CREEK		A/P	12000	275		
	QUIGLEY CREEK	N/I	A/P	1300	A/P		
	RONALD CREEK		A/P	N/I	N/I		
	STEEP CREEK		A/P	1500	N/I		
	TRAHEY CREEK		N/I	N/I	N/I		
	TYLER CREEK		650	29000	2859		
	TOTAL recorded	28090	34944	2674740	40515	1017	

North Coast C&P
Compliance and Enforcement
Mid Season Summary

April 1st to Nov 1, 2009

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, 2009 to November 1, 2009

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 (3 FOs), Smithers (3 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 Bella Bella, Bella Coola, Queen Charlotte 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 2009/10 operational planning where increased priority was placed on the Areas commercial salmon gill net and seine fisheries, the Area F Salmon Troll fishery, the Nisga'a Treaty Marine and In River Sales Fisheries, the FN Skeena River, Nass River and Babine River Inland Economic fisheries (limited in 2009), and increased 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.

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. 1/09

NORTH COAST C&P ENFORCEMENT SUMMARY

KEY PATROL ACTIVITY PROFILE

All WORK ELEMENTS April 1 to Nov 1/07	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
Total Patrol Effort on above Elements	2128	7184	76%	11579	2839	1114	9216

All WORK ELEMENTS April 1 to Nov 1/08	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
Total Patrol Effort on above Elements	1580	7136	77.5%	8999	2097	1067	9556

All WORK ELEMENTS April 1 to Nov 1/09	Num of Patrols	Patrol Hours	% of overall effort	FO hours	Vessel chks	Vhcl chks	person chks
Rec Salmon (Tidal)	293	1176	16	2037	888	133	2528
Rec Salmon (non Tidal)	440	1894	26	2647	335	296	2926
Aboriginal Special License	168	698	10	1037	159	39	408
Unlicensed/Closed time/area	166	608	8	812	18	20	97
Comm Salmon net	62	413	6	609	121	18	288
Rec Finfish Tidal	30	50	1	98	36	12	101
SARA Abalone	32	101	1	225	13	0	26
Aboriginal Salmon	146	432	6	609	121	18	288
Comm Salmon Troll	24	187	3	358	90	0	137
CSSP	74	235	3	423	4	112	256
Comm Salmon selective	4	30	1	61	24	0	29
Total Patrol Effort on above Elements	1439	5824	81%	8916	1809	648	7084

Data Summary

Rec Fishing Effort

- (non tidal and tidal) in 2009 accounts for 42% of overall work

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.
- 2009 shows 66 patrols for 7% of total effort with 145 vessels checked.

North Coast C&P Detachment Mid Season Summaries

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QCI Detachment

C&P Detachment Supervisor – Scott Keehn
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- 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, 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 5 Fishery Officers. There is 1 GT-05 Field Supervisor vacancy in Queen Charlotte.

Detachment Highlights

- Queen Charlotte Field Supervisor vacancy was not staffed.
- The Area F Salmon Troll fishery was once again one of the largest salmon commercial fisheries in the Pacific Region with over 100 vessels fishing for over 80 days.
- Compliance for the salmon head retention on the Area F Salmon Troll fishery improved in 2009.
- The number of commercial groundfish violations increased in 2009.
- Fishery Officer Tadie was seconded to work on the Fraser River for a 3 week period of time.
- Numerous violations were encountered in the recreational fishery including illegal gear, exceeding quota, licensing and recording, and snagging.

Staff Training and Resource Management

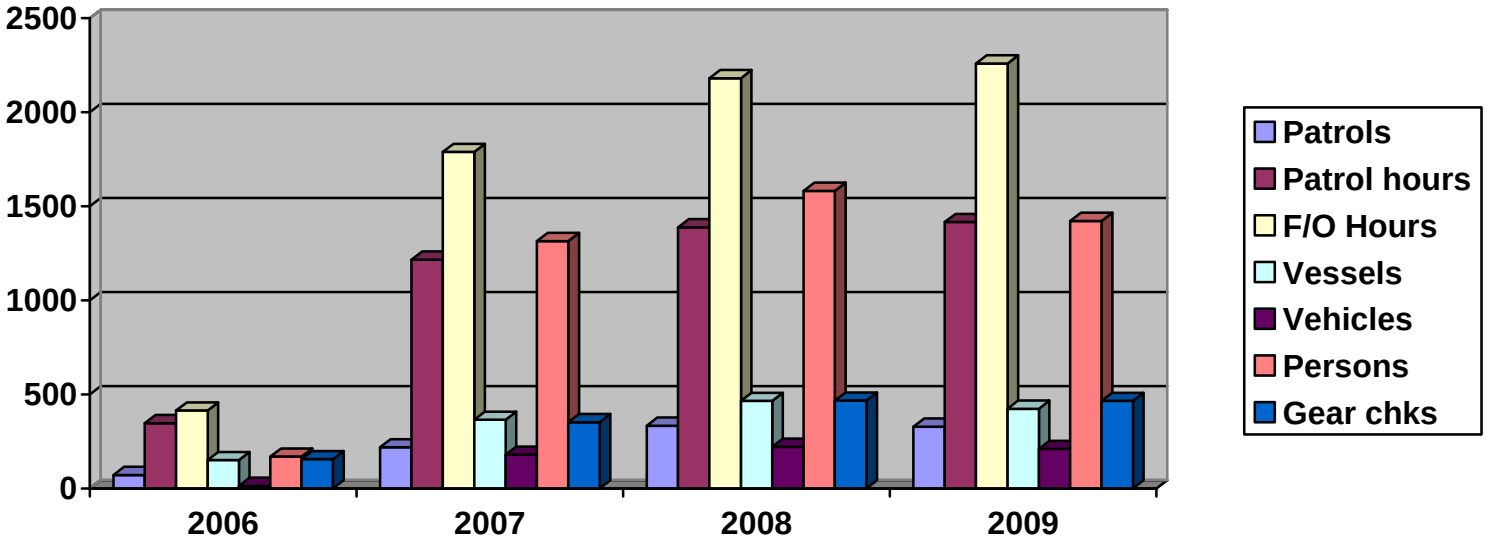
- Housing has now been secured in Masset and QCC.
- Anticipate staffing the vacant GT05 in January of 2010.

Queen Charlotte Islands Detachment Statistical Summery

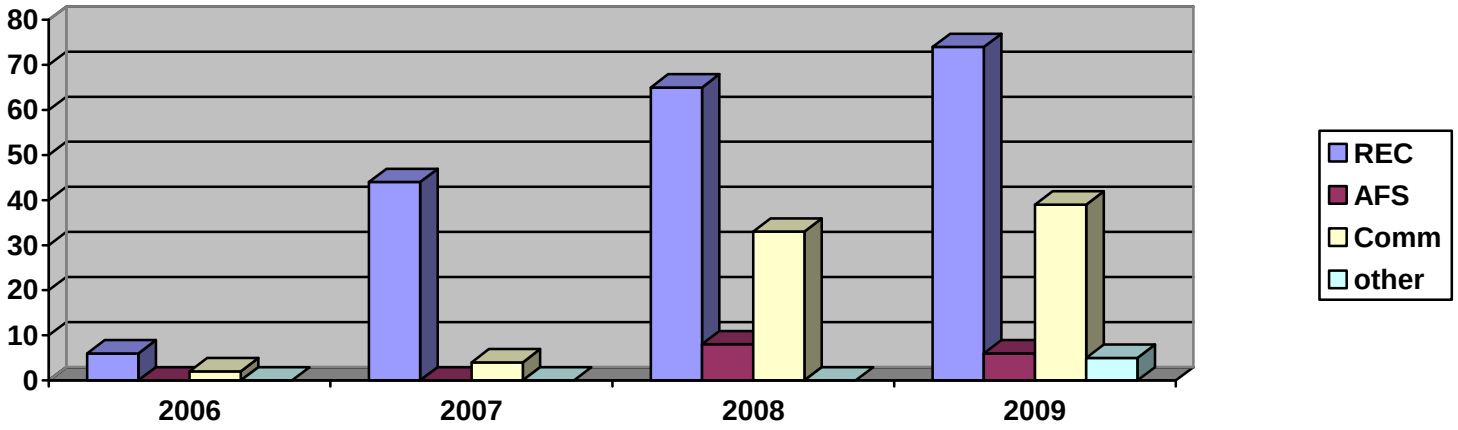
Table 1: Comparison table of FEATS Data for 2006 - 2009 – QCI Detachment.

Year	Patrols	Patrol hours	FO hours	Vessels Checked	Vehicles Checked	Persons Checked	Gear Checks
2009	328	1416	2258.75	423	210	1422	465
2008	333	1387.5	2180.75	465	221	1582	467
2007	218	1215.75	1788.5	365	179	1315	352
2006	71	346.5	413.5	150	13	169	155

Graph 1: Comparison table of FEATS Data for 2006 -2009 – QCI Detachment.



Graph #2. Summary of charges by fishery 2006 – 2009



Prince Rupert Detachment

C&P Detachment Supervisor – Linda Higgins
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- 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 centre of the coastal forestry and fishing industries. The expansion of the Prince Rupert container port facilities was completed in the fall of 2007, with phase 2 expected to begin construction in the next few years.
- There has been an increase in whale watching charters over the last few years. 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 gillnet fisheries.

Detachment Highlights

- Officers Guno and Davey were assigned to work on the Fraser River out of the Chilliwack Detachment for three weeks each in August and September.
- Officer Demille will be on assignment at regional headquarters from September 1, 2009 to May 2010. Her position will not be backfilled.
- Officer Guno will be working from the New Aiyansh office temporarily starting on November 2, 2009
- Officer O'Donnell will be working from the Prince Rupert general duties office temporarily starting on November 2, 2009.
- Fishery Officers in the detachment continue to staff the Kitimat II as much as possible in conjunction with FM.

Fisheries

- The forecast for sockeye for the Skeena River was estimated at approx. 2, 000, 000, but was downgraded throughout the season with less than 900,000 returning. Two opportunities targeting Chinook by gillnet in area 4 occurred. These were the only gillnet opportunities in area 4 this season.
- Eight Nisga'a marine gillnet opportunities occurred this year and they met their target harvest. Compliance was very good.
- The troll fishery in area 3 occurred this year and provided an opportunity for Coho harvest.
- Metlakatla choose to close the Skeena mouth (4-12 and 4-15) to all non Tsimshian First Nations. C & P and Metlakatla conducted joint patrols. Non Tsimshian people required a designation from a Tsimshian community to FSC fish in areas 4-12 or 4-15 or a recreational permit. Work planning is required for next year to ensure success of any future closures.

Compliance

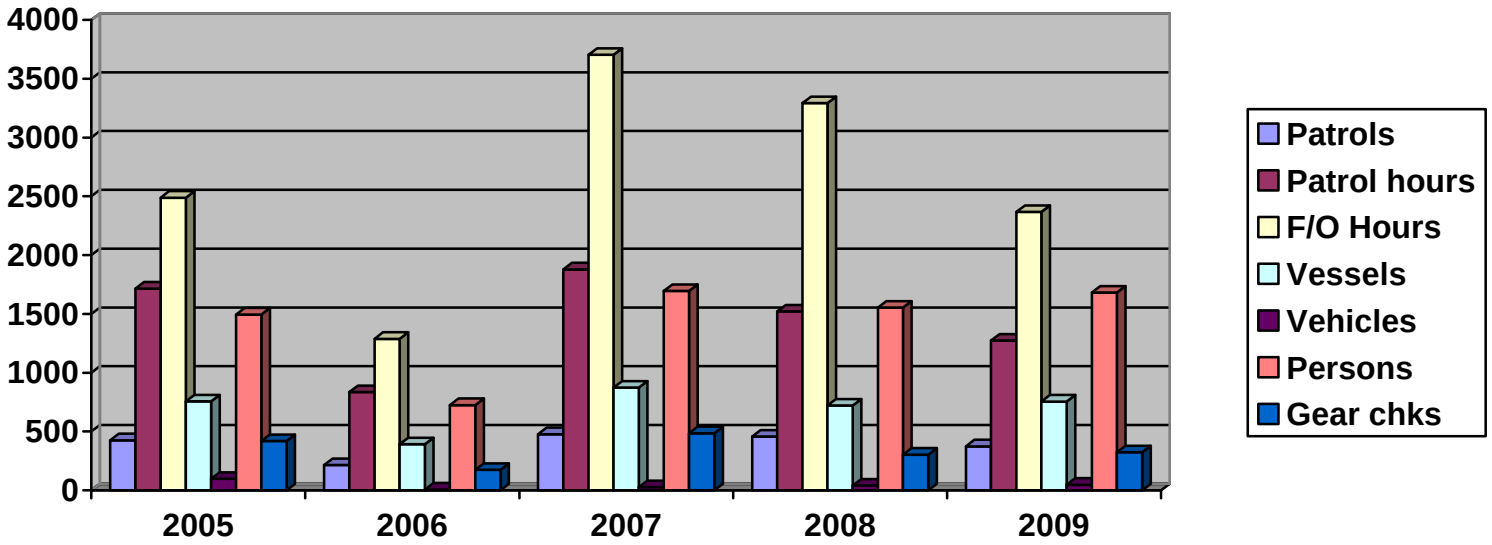
- FSC laundering of salmon into the commercial gillnet fishery continues to be a rampant compliance issue. Work planning continues during the winter to further address this issue.
- Revival box compliance in the commercial salmon fisheries improved drastically from last year.
- The incidence of barbed hooks in the recreational fishery is still a constant enforcement issue from year to year.
- Gifting of fish is becoming more prevalent as a means to bypass sport fishing limits.

Prince Rupert Detachment Statistical Summery

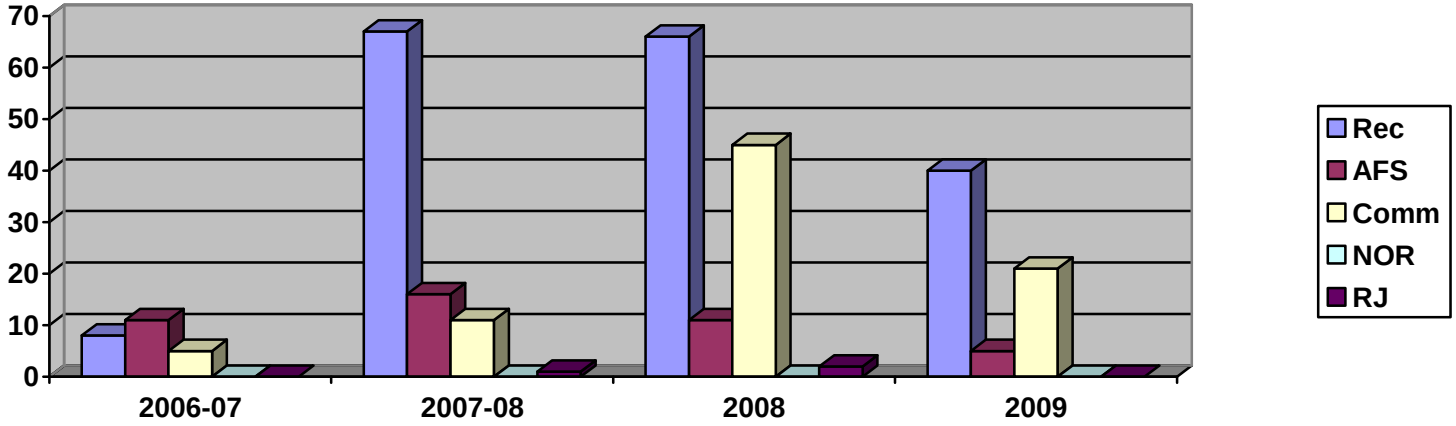
Table 1: Comparison of FEATS data for 2005 - to date.

Year	Patrols	Patrol hours	FO hours	Vessels Checked	Vehicles Checked	Persons Checked	Gear Checks
2009	374	1272.75	2366.75	755	47	1681	324
2008	457	1521.5	3293.25	721	40	1553	303
2007	477	1879.25	3704.25	874	26	1696	485
2006	214	834.5	1288.25	391	6	725	173
2005	426	1715.5	2489	756	98	1495	419

Graph 1: Comparison of FEATS data for 2005 - to date.



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



Terrace Detachment

C&P Detachment Supervisor – Andy Lewis
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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 and 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). Recreational 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 operate from May to November. Rockfish conservation closed areas are also patrolled.

Highlights:

Staffing

- Officer Nelson was assigned to work on the Fraser River out of the Lillooet Detachment for three weeks in August.
- A vacancy exists in the Detachment, and Allan Correia has deployed from Smithers to the Terrace Field Unit. Carey Ma is currently deploying to Smithers.
- Officer Guno will be working from the New Aiyansh office temporarily starting on November 2, 2009.
- Fishery Officers in the detachment will staff the Kitimat II as much as possible in conjunction with FM, and participate in the N/C SARA patrols.

Fisheries

- The forecast for sockeye for the Skeena River was estimated at approx. 2, 000, 000, but was downgraded throughout the season with less than 900,000 returning. Recreational catches were down. There was an average Chinook sport fishery.
- The 6 in river Nisga'a Individual Sales fisheries were well attended by Fishery Officers. Fisher numbers were down from previous years. Eight Nisga'a marine gillnet opportunities occurred this year and they met their target harvest. Compliance was very good.
- The seine fishery in area 6 occurred this year and provided an opportunity for pink harvest. Total catches were close to 7 million.

Compliance

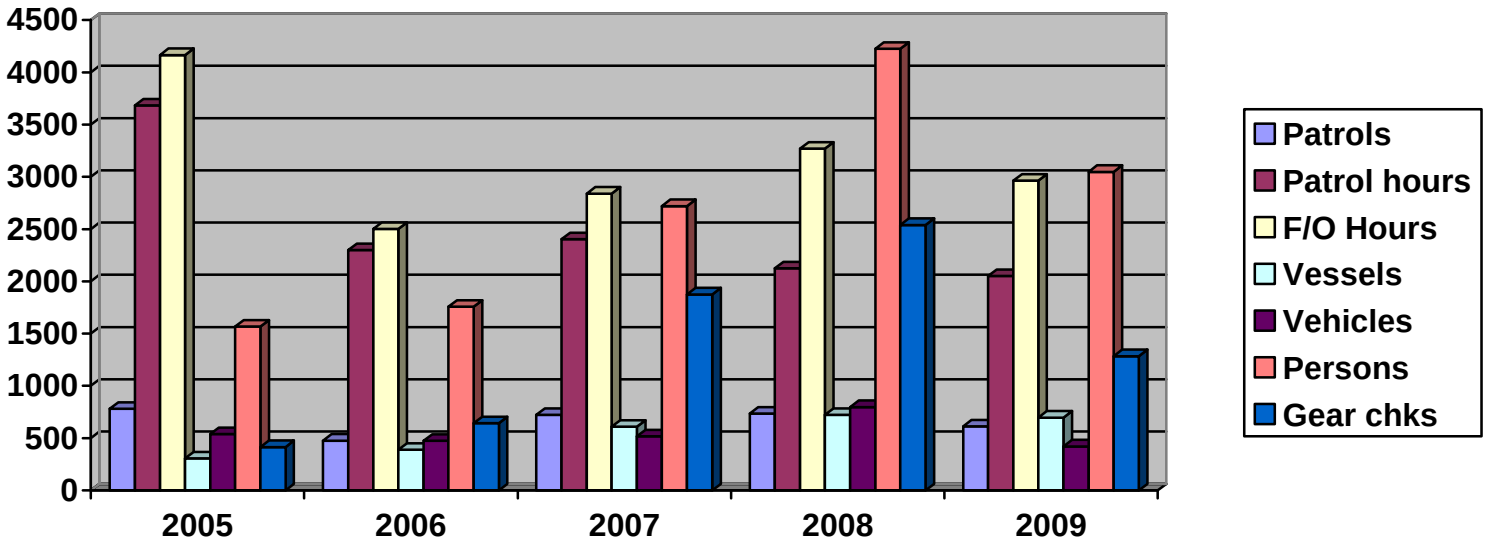
- Kitimat still shows higher non compliance rate. Numerous violations were encountered for illegal gear (bait, barbed hooks), licensing and recording, exceeding quotas, not meeting minimum size requirements, and transportation issues.
- The recreational fishery in the Nass area continues to grow. Pressure 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.

Terrace Detachment Statistical Summery

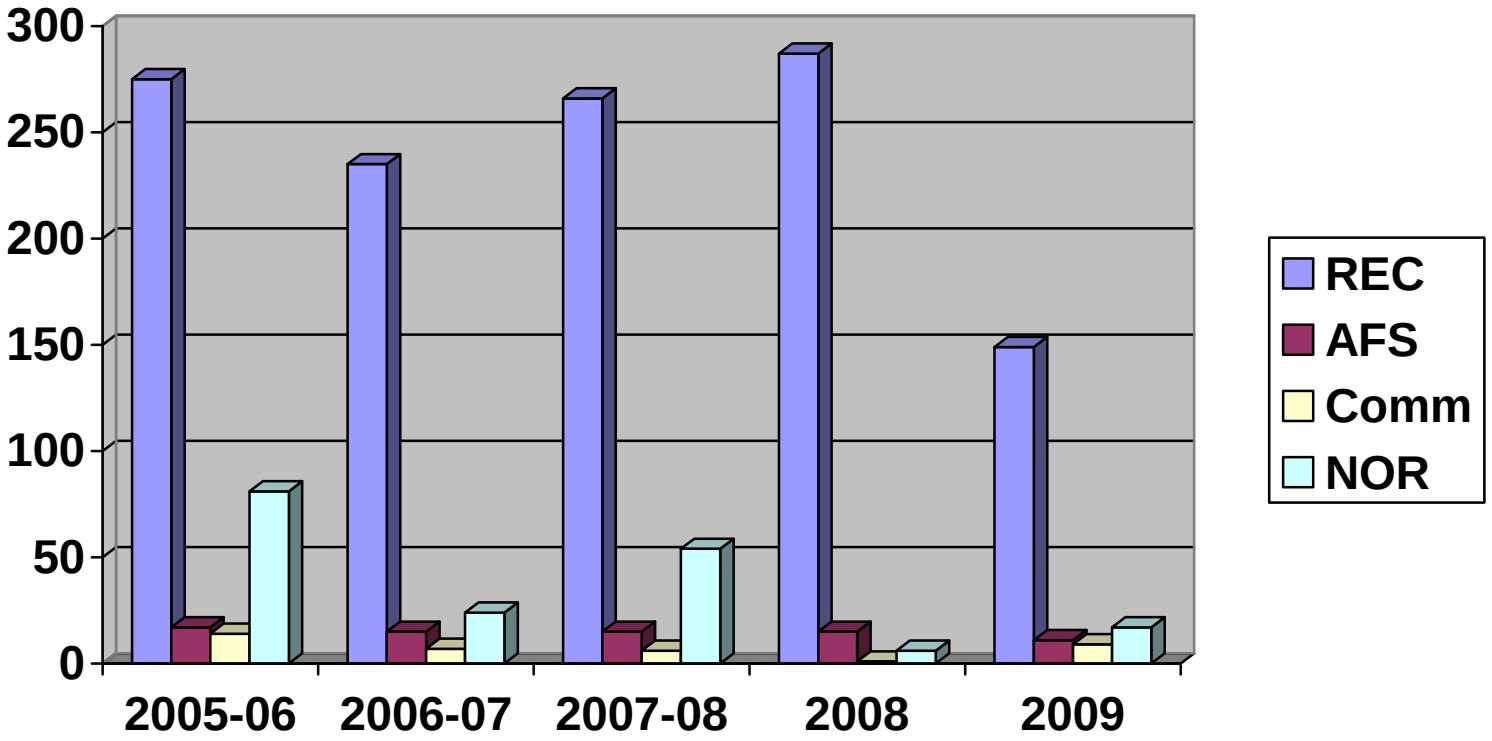
Table 1: Comparison table of FEATS Data for 2005 -2009 to date – Terrace Detachment.

Year	Patrols	Patrol hours	FO hours	Vessels Checked	Vehicles Checked	Persons Checked	Gear Checks
2009	612	2050	2963	696	421	3048	1284
2008	734	2124	3270	722	797	4224	2539
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 -2009 (Oct 15) Terrace Detachment.



Graph #2. Summary of charges by fishery 2005 – 2009 (Oct 15).



Smithers Detachment

C&P Detachment Supervisor – Ricardo Correia
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The Smithers Detachment encompasses a vast area which includes two field offices located in Smithers and New Hazelton. The Detachments area of responsibility encompasses approximately 53, 652 square kilometres. Within this area there are ten major river systems which include the Skeena River, Sustut River, Babine River, Bulkley River, Morice River, Copper River, Kispiox River and the Kitwanga River. The most significant lake in the Detachment would be Babine Lake, at 149.88km long the longest natural lake in British Columbia, with DFO two Hatchery Facilities at Foulton River and Pinkut River. These facilities produce the bulk of the Sockeye Salmon harvested in the commercial fisheries for Skeena River Watershed. The Detachment encompasses four major communities along the highway 16 corridor and eleven First Nation communities. The First Nations in the area take part in some of the largest ESSR and Economic Opportunity Fisheries in the Pacific Region.

- The Hazelton Field Unit (located in New Hazelton) covers the Upper/Mid Skeena, Lower Babine and Lower Bulkley River watersheds and tributaries which include the Kispiox, Kitwanga, Kitsegukla and Suskwa Rivers. The area has a scattered population with communities in Hazelton, South Hazelton, New Hazelton, Cedarvale, Gitanyow, Kitwanga, Kitsegukla, Hagwilget, Gitanmaax, Glen Vowell and Kispiox. One Field Supervisor and two Fishery Officers are assigned to this area and work out of a small office located in New Hazelton. The area is vast with significant access to recreational opportunities. The recreational efforts are concentrated on Chinook, Coho and Sockeye Salmon. There is a large Steelhead fishery which over laps the Coho salmon fishery and Coho salmon closed time. Habitat related activity includes forestry (roads, harvest activities and silviculture prescriptions), mining, road development (Highways expansion), agriculture and residential expansion. First Nations fisheries include Inland Economic Opportunity Fisheries, ESSR and FSC for salmon.

- The Smithers Field Unit covers the Babine, Morice, Bulkley and Sustat River watersheds. The main center of population is Smithers and other communities include Telkwa, Houston, Burns Lake, Topley and Granisle. The main First Nations communities are Burns Lake, Takla and Ft. Babine with a few other very small communities. There is a Detachment Supervisor, one Field Supervisor and one Fishery Officers assigned to the field unit. The area is vast and access to recreational opportunities abounds with concentrated efforts on Chinook, Coho and Sockeye salmon. There is a world class Steelhead fishery which overlaps with Coho salmon closures in the area. Habitat related activity includes forestry (roads, harvest activities and silviculture prescriptions), mining, road development (Highways expansion), agriculture and residential expansion. First Nations fisheries include Inland Economic Opportunity Fisheries, ESSR and FSC for salmon.

Highlights:

Staffing:

- Smithers Field Supervisor still on light duties which has drastically limited the detachment ability to conduct certain field operations. This position has taken lead representing general duty regionally with Major Case Management and PICFI initiatives. There has been no staffing action to backfill this position to date.
- Officer A. Correia completed his deployment to Terrace. Smithers GT04 replacement has not yet arrived. Smithers Detachment operating with no dedicated field staff for the fall of 2009.
- There was a high demand on instructor time due to a large number of missed annual requalification's. This further impacted on Smithers Detachment operational capacity.
- Wet'suwet'en Ranger Eugene Pierre passed away.

Fisheries:

- Babine Lake recreational Sockeye fishery continues to grow despite 2009 being a low Sockeye return. During August the Fulton River area averaged 130 boats on the weekends and the Pinkut area was averaging 60 boats.
- The Inland commercial fishery Sockeye fishery was not realized due to low returns. Babine fence and Morice town received commercial allocations for Pink salmon.

Compliance:

- Work effort on small illegal sales complaints was intermittent due to staff availability.
- Lake Babine Fisheries Program undertook some staff restructuring.
- Detachment staff responded to three SAR's with vessel support.

Smithers Detachment Statistical Summery

Table 1: Comparison Table of FEATS Data for 2005 -2009

Year	Patrols	Patrol hours	FO hours	Vessels Checked	Vehicles Checked	Persons Checked	Gear Checks
2009	300	1582.5	1739	20	17	543	11
2008	656	2,116.5	2,408.5	143	211	2,303	479
2007	736	2642.5	3305.5	36	128	1091	119
2006	464	2127	2515.5	26	109	846	33
2005	130	423	505.5	20	46	324	18

Chart #1 Smithers Detachment Feats Data 2005-2009 Comparison (Patrol Activity Profile)

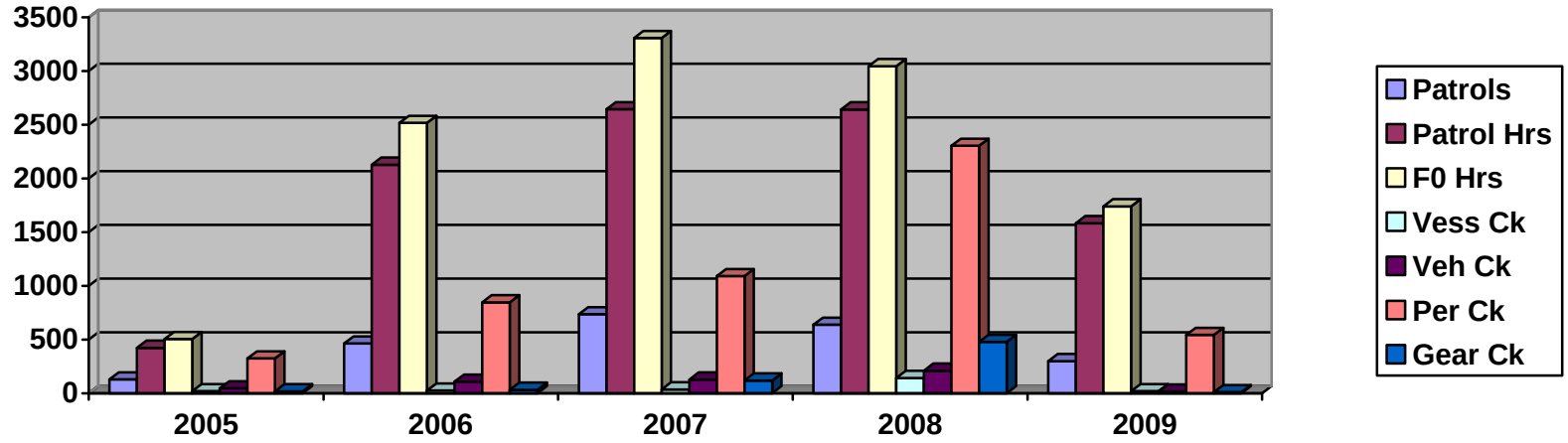
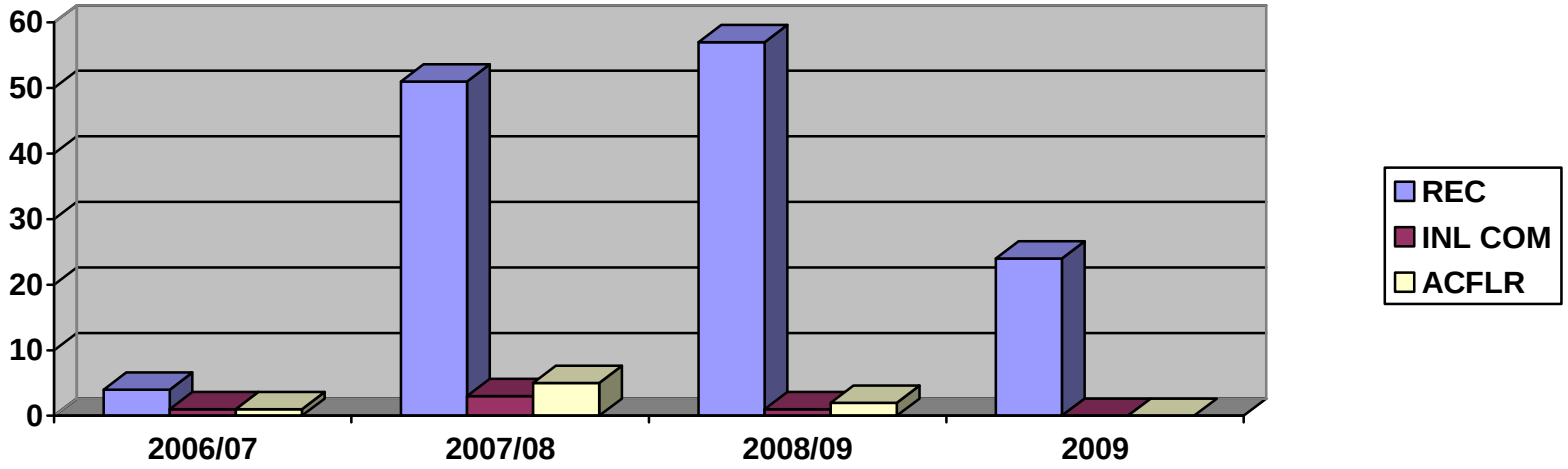


Chart #2 Smithers Detachment Violations by Fishery 2006-09



Bella Coola Detachment

C&P Detachment Supervisor – Bob Tupniak
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- The Bella Coola Detachment 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:

Staffing:

- 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.
- Dawson's Landing crews quarters operational from July 05/09 to September 7/09. A similar program is planned for 2010.

Fisheries:

- Coho presence throughout the Central Coast area was very good and catches were high.
- Wannock and Chuckwalla/Kilbella River mouth closures in effect from June 1/09 to September 15/09.

Compliance:

- No VPT's issued for the Wannock River or Chuckwalla/Kilbella River closures. River mouth boundary compliance remains good.
- Rivers Inlet downrigger closure in effect from June 1/09 to September 15/09. Compliance remains good.
- Compliance with the barbed hook restrictions was poor in 2009. Enforcement actions continue. Obstruction of Fishery Officers continue in regards to barbed hook enforcement.
- Rockfish closed area compliance was good this year.

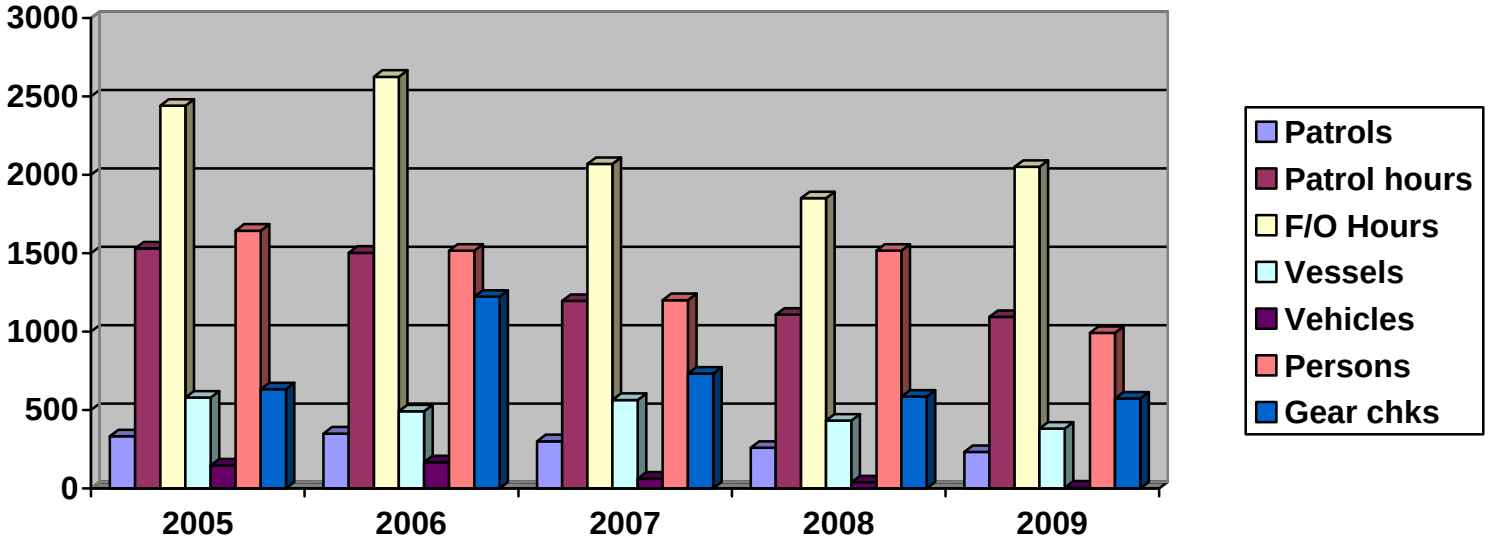
- Significant increase in over-possession of salmon (Coho) violations.
- There were only a few minor licence and log book violations (mostly warnings) in the commercial salmon seine and gillnet fisheries in areas 7 and 8. Fishing time was increased from last year but less than most previous years. Overall compliance was good during fishing opportunities with most violations being log book related.
- For the summer months (June to September), 54% of Fishery Officer field time was directed at tidal and non-tidal fin-fish recreational fishing enforcement, 12% at SARA listed species (abalone and whales), 10% at recreational and commercial shellfish enforcement, 11% at commercial salmon net, 6% at commercial prawn and the remainder to a variety of ground-fish species, shellfish species and habitat related issues.

Bella Coola Detachment Statistical Summery

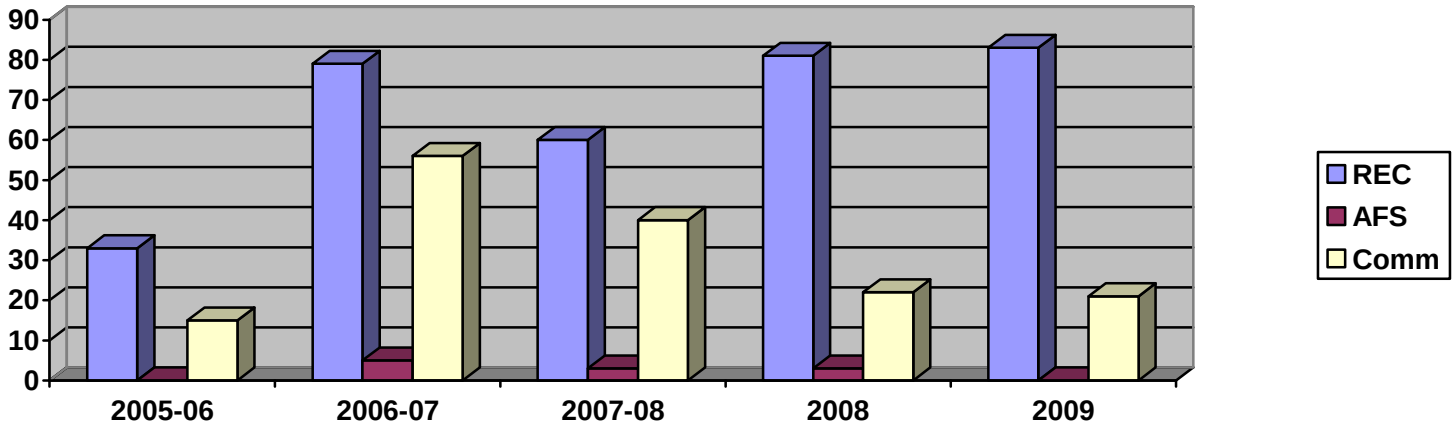
Table 1: Comparison table of FEATS Data for 2005 -2009 to date – Bella Coola Detachment.

Year	Patrols	Patrol hours	FO hours	Vessels Checked	Vehicles Checked	Persons Checked	Gear Checks
2009	232	1094	2051	381	5	992	573
2008	259	1108	1851	433	38	1516	586
2007	301	1196	2069	564	62	1201	733
2006	350	1503	2626	491	167	1517	1222
2005	333	1531	2441	579	147	1644	633

Graph 1: Comparison table of FEATS Data for 2005 -2009 to date – Bella Coola Detachment.



Graph 2: Summary of charges by fishery 2005 – 2009 to date.



PILLAR #1 Effort: Education/Partnering/Stewardship

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

Highlights Include:

- Gathering Strength Canoe Journey – Joint endeavour with North Coast First Nations, RCMP and CCG.
- C&P staff continues to assist with local egg takes and fry releases. Working in conjunction with the local Community Advisors throughout the North Coast.
- C&P staff has participated with the in SARA abalone, killer whale and sea otter open houses in many communities in the North Coast.
- C&P staff conducts joint enforcement patrols with First Nation Guardians.
- C&P staff continues to develop capacity related to Restorative Justice in all Detachments. C&P officers are trained as facilitators for this process.
- Dream Catchers continues to be an opportunity to work with First Nation's youth. This is a very successful and productive effort by all who participated.
- C&P staff participates in Remembrance Day activities in dress uniforms.
- C&P staff have contributed and participated in promoting C&P and DFO in the schools by attending career days in local schools and collages.
- C&P staff attends local SFAB meetings as well as the area meetings held in Vancouver and Prince Rupert 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.
- Educational and information programs have been delivered to lodges and other interested groups for a number of years. This program will continue
- C&P staff attends meetings with First Nations Communities to develop enforcement protocols and agreements.
- C&P staff assisted with the Olympic Torch Relay in QCI.
- Trade shows are a large, annual community event with a large local turn-out. 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 for best exhibit in a number of events and communities.
- C&P staff participates in parades throughout the NC (i.e. Riverboat Days, Sea Fest and others).
- Participate in River Clean up day on the Skeena River helping volunteers with cleaning up the river banks.
- 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.
- Fishery Officers attended Crab fest in Kincolith.

North Coast 2009 Salmonid Enhancement Review

Don MacKinlay, Acting North Coast Area Chief, Salmonid Enhancement Program

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. 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;
- Patrick Fairweather 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:
Babine Lake Development Project (BLDP) which is comprised of the Fulton River and Pinkut Creek Spawning Channels;
Kitimat River Hatchery, and
Snootli Creek Hatchery.

In addition, the Pallant Creek Hatchery – which used to be operated by DFO – is now run under a contract with the Haida Fisheries Program as a 'Cost Recovery Pilot.'

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.

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 spawners/fry counting fences on two tributaries to Babine Lake:

- **Fulton River Facility** – two spawning channels, the first being a smaller (10,000 m^2) pilot channel (#1, which began operation in 1965) followed by the main (73,100 m^2) production channel (#2, started in 1969 and completed in 1971).

- **Pinkut Creek Facility** – the spawning channel (33,400 m^2) began operation in 1968. From 1973 to 2007, spawning capacity was augmented by airlifting surplus adults above a set of falls on Pinkut Creek (26,700 m^2 of natural spawning grounds). The airlift program was discontinued in 2008.

Production Overview

Spring 2009's total production of 174.7 million sockeye fry from the two BLDP sites once again exceeded the project's original 100 million fry target, with 130 million fry produced from the Fulton works, alone. The previous two years fry production was 184.6 and 178 million respectively.

With regard to egg-fry survivals for the 2009, Fulton River was below the 15% target at 10.7%, and Channel #2 was slightly above the 50% target at 55.5%; Channel #1 had a surprisingly good survival rate at 59.1% slightly above target and well above the past several years.

Pinkut Channel egg-fry survivals were a respectable 49.1% and Pinkut Creek proper survival increased over last year to 22.1%.

Pinkut adult loading targets were met this season with no operational challenges other than warm water temperatures. The Pinkut "lake pumps" had to be utilized for cooling the channel water during the loading and spawning phases, which proved to be a successful attempt in combating a parasite outbreak. PMS rate for Pinkut was 8%. The total Pinkut egg deposition is 380.5 million eggs.

Fulton loading targets were close to being met in the Fulton system. Channels 1 and 2 were filled to capacity and the river proper was filled to 92% of target. Although an additional 34.6K adults were re-loaded into Channel # 2 after high pre-spawning mortalities were detected and diagnosed. These "re-loads" would have made up the river target, so the overall escapement to the Fulton system was very close to the spawning grounds capacity or target.

The entire Fulton system (river and channels) was subjected to a severe outbreak of the parasites *ICH* and *LOMA.* It appears the warm summer temperatures and slightly lower than normal water levels attributed to the early warm water in Fulton which in turn aided to the parasite outbreak.

Fulton channel 1, 2 and the river proper had pre-spawning mortality (PMS) rates of 43.2%, 31.5%, 16.0% respectively. We do have a local parasite sampling program which is in place to help us determine the presence and prevalence of these parasites, in the early portion of the runs. This information can often help us in making decisions to minimizing the pre spawning mortalities during an outbreak.

Fulton Production Data

Fry Release- spring 2009 (2008 brood year)

Channel 1	6.6 million	59.1% surv. rate
Channel 2	92.1 million	55.5% surv. rate
River	32.1 million	10.7% surv. Rate

Adults returned (2009)

Channel 1	14.6 K	6.81% jacks	68.2% females	43.2% PMS
Channel 2	93.8 K			31.5% PMS
Channel 2	34.6 K (re-loads)			
River	168.3 K			16.0% PMS

Pinkut Production Data

Fry Release- spring 2009 (2008 brood year)

Channel	37.8 million	49.1% surv. rate
Creek	6.1 million	22.1% surv. Rate

Adults returned (2009)

Channel	59.8 K	Jacks 2.5%	51.6% females	8% PMS
Creek	27.0 K			

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

KITIMAT HATCHERY OPERATIONS 2009 REVIEW

Mark Westcott, Acting Manager, Kitimat River Hatchery, Kitimat, B.C.

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 (2 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 4500 LPM of heated river water from the Eurocan Pulp mill, which gives considerable flexibility to the facility's incubation and rearing programs.

Production Overview - Total juvenile releases and eggs taken in 2009 were:

Species	**Total Juveniles Released in 2009**	**Total Eggs Taken in 2009**
Chinook	1,429,000 0+ smolts	2,122,000 eggs
Chum	1,458,000 0+ fed fry	4,024,000 eggs
Coho	411,000 1+ smolts	350,000 eggs -not finished
Cutthroat	0	6,500 eggs
Steelhead	57,000 1+ smolts	95,000 eggs

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

Steelhead & cutthroat were the only fish that were marked.

Returns of all species were quite good and Pink returns were excellent. We didn't quite meet all of our egg targets but that was due to a lack of staff not a lack of fish. The Kitimat facility normally operates with 8 indeterminate staff but we are currently operating with 5 indeterminate staff and 1 term.

It was recently announced that the Eurocan pulp mill will be permanently shutting down as of the end of January 2010. The hot water that we get from the mill is used to heat the hatchery building, de-ice the river intake screens and warm up the water that is used for rearing the fish. This facility was designed around this hot water source and there will need to be major changes in both the physical and biological operations.

ENHANCEMENT PROGRAMS ON THE CENTRAL COAST

Sandie MacLaurin, Community Advisor, SEP, Bella Coola

Chum Salmon

Releases of 2008 brood chum fry & smolts this past Spring was on target for all the facilities with over 10.5 million being released.

This fall, Snootli Hatchery was able to meet the 2 million eggtake targets on all but one tributary (the Saloompt River) where about ½ the target was met - bringing the overall number of eggs obtained down to 6.4 million. Poor returns were the key factor but water levels and forest fires also affected chum broodstock programs. An additional note here is that bad flooding in the Bella Coola system in late October of this year likely destroyed a significant amount of the chum and pink spawn in the river. Production from Snootli will be doubly important for survival of the 2009 brood.

In Bella Bella and Klemtu the hatchery staff easily attained egg targets and adult returns were in excess to spawning requirements (by a factor of 4 in Bella Bella and at least double in Klemtu.

Of note here is the doubling of the chum egg target (and achieving the additional 1 million eggs) at McLoughlin Hatchery in Bella Bella for the second year in a row. This was made possible through funding for upgrades at the site from the Pacific Salmon Commission Northern Fund monies for 2008.

Survivals of the 2009 brood to the eyed stage are all above 90%.

Chinook Salmon

Releases in the Atnarko/Bella Coola in 2009 included 1.6 million 90 day smolts from the 2008 brood and almost 400,000 yearling (20+grams) from the 2007 brood. Releases of 2008 brood Wannock in Rivers Inlet totaled 226,611.
There are about 300,000 2008 brood Lower Atnarko chinook being held over for another yearling release in 2009. These will be moved to the Atnarko Rearing channel and kept there until next June.

Chinook broodstock programs were once again a challenge in 2009 for the Atnarko/Bella Coola system due to very low returns. However, egg targets were met for the Upper and Lower Atnarko River and crews were also successful in obtaining close to 64k Saloompt chinook from the lower Bella Coola.

The Wannock egg target was easily met with approximately 300 thousand eggs being taken. Going into the eggtake there was concern that the age 5 component (historically a majority of female spawners found to be age 5) might be very low due to poor marine survivals of 2004 brood (sea entry in 2005). Though age data is not yet available there seemed to be lots of female spawners and numbers on the ground were more than sufficient to allow for a relatively quick and easy broodstock capture and eggtake

program. Of note here is the number of marked fish recovered during the eggtake and deadpitch program. Recoveries of marked fish were the highest on record.
Survival to date for 2009 brood chinook is good (over 90%) and though shocking and picking is not complete for the Wannock chinook the eggs look good.

Snootli Hatchery has just received word that the PSC Northern fund will continue to support an Atnarko chinook yearling program for 2009 and yearling groups of ~250k are taken from inventory on hand when fry are ponded.

Coho Salmon

Coho are not a production species in the Central Coast and projects are done to provide marked fish (information for fisheries mgt. and survival tracking, like the Bella Coola and Johnston groups at this time) and/or to sustain stocks that might be impacted by commercial chum fisheries like at McLoughlin and Kitasoo. While large scale production is not occurring these enhanced fish do contribute to fisheries (by-catch commercially and targeted recreationally) and as food fish for First Nations.

Releases of coho salmon smolts in 2009 were yearlings from the 2007 brood and the total for Central Coast facilities was just over 209,000. Releases met expectations for all the facilities/stocks with this being the first year of releases of Johnston Creek smolts. 2009 broodstock and eggtake programs are complete in Bella Coola and McLoughlin with egg targets being easily met. Kitasoo and Johnston eggtakes are ongoing at this time with Kitasoo having about 20% of target and the Johnston about 50%. Observations and creeks walks in Bella Coola and at McLoughlin indicate that returns are much better than last year. The local volunteer group in Bella Coola (CCFPA) assisted with broodstock capture, eggtakes and securing funds for fish food to carry these groups through. DFO stock assessment has been providing funds for CWT tag purchase and marking.
Survival to date of 2009 coho is not known as shocking and picking will not occur until the new year.

Rearing of the 2008 brood parr is ongoing with survivals looking good in spite of an outbreak of BKD at Snootli Hatchery. The affected fish are isolated and have been treated. These fish will be monitored closely and samples will be sent to PBS in late winter for a health check. This is the first incidence of BKD at Snootli Hatchery and as a precaution, disease screening has been done on all 2009 brood coho stocks coming into the facility – and incubation is being done in the isolation building.

Also of note: The Johnston Creek (Rivers Inlet) coho project was started in 2007 with initial support being provided by the Rivers Inlet North Coast Salmon Enhancement Association (RINCSEA). It has been able to continue for the 2008 and 2009 brood with a combination of PSC Northern and RINCSEA support (RINCSEA support being critical for the 2009 brood). We have just recently received the good news that the PSC Northern fund will help provide support for the 2010 brood as well. This will allow for releases of Ad/CWT smolts from 4 consecutive brood years. We are very excited for 2010 when the first adults will be returning from the 2007 brood.

Sockeye Salmon

Fry releases in the Central Coast this past spring were on target for the Tankeeah River stock (Heiltsuk Fisheries/Emily Lake Hatchery but fell below for Atnarko/Lonesome Lake and Lagoon Creek. Once again, in the case of Atnarko/Lonesome Lake the shortfall came from not being able to meet egg targets last fall, not from any poor survival during the hatchery program. Problems at the Victor Creek Hatchery in Klemtu lead to heavy losses in the 2008 brood and planning is underway for a major upgrade to the site. Snootli Hatchery also released over 450,000 sockeye to Curtis and Williams Creeks (Area 6). These are part of a sockeye recovery plan for Lakelse and contributing to a hanging (nursery) lake pilot program.

For 2009 broods, the Heiltsuk crew had no trouble meeting the 100k egg target from the Tankeeah River and report that it was another year of better escapements. At Lagoon Creek the observations during this season indicate there was a much better escapement than last year. The egg target from Lagoon was reduced to allow for facility upgrades. The Atnarko/Lonesome Lake program staff (Nuxalk Fisheries with Snootli Hatchery) secured over 100k eggs but were unable to capture enough broodstock to meet the additional 100k - the broodstock program being impacted by escapement numbers. No eggs were taken from the northern systems this fall due to funding shortfalls, however it looks like next year is a go (just received word from PSC Northern Fund).

Reasons for Optimism

There was a good showing of coho this year from 2006 brood that went to the ocean in 2008 and Pinks from the 2007 brood that entered the ocean in 2008. This could mean that ocean conditions were good – which would mean that better returns of sockeye, chum and chinook are on their way. In 2010 we should see age 4 sockeye from 2006 that entered the ocean in 2008 and age three chinook and chum. So – 2010 might not be great, but we can certainly be hopefull that the age 4 sockeye do show, providing another indicator for better things to come in 2011 and 2012+.

Time and size of release considerations at Snootli Hatchery. Chum and chinook programs are being re-examined to more closely consider early marine conditions when finalizing release strategies. Extending rearing programs for a larger and later time of release could improve survival in years where phytoplankton (and thus zooplankton) production is delayed. The yearling chinook program is another strategy that could result in a several fold survival benefit - without having to increase original egg targets. And what about those Wannock chinook! Lots of marks recovered in the Rivers sport fishery and more than ever before in the broodstock and deadpitch programs – indicating that our efforts to improve survival by aggressively pursuing size and time of release targets are working. Recoveries in 2008 and 2009 were from ~100k releases and in 2010 will start seeing age three from a much larger (287k) release.

COMMUNITY PROJECTS IN THE TERRACE AREA

Rob Dams, Community Advisor, SEP, Terrace, B.C.

Kincolith (Gingolx) CEDP Hatchery

Egg targets = 70 to 150 K chinook and 25 K chum from the Kincolith River
Presently have 65 K (8 gram) chinook fry in their outdoor ponds. Plan to CWT (20 K) of these fish in April of 2010, just prior to helicopter release into the upper watershed. This project also includes a floating adult fence with video technology.
No eggs were taken in 2009, due to infrastructure problems from recent flooding. Future plans for upgrading this project are under discussion.

Hartley Bay CEDP Hatchery

Egg targets = 500,000 K coho from Hartley Bay Creek
Release targets:
Hartley Bay Creek - 20 K coho smolts
Upper Hartley Bay Lake - 70-100 K fry
The remaining fry are outplanted by helicopter to hanging lakes (Whalen Lake, Red Bluff Lake & Angler Cove)
Presently have ~ 450,000 eggs on-hand.
A new head tank is being constructed for this project, and will hopefully improve egg to fry survivals.

Eby Street PIP Hatchery

Egg target = 25 K Zymachord River coho
They presently have 14 K (12 gram) juvenile coho in their cement raceway. And another ~ 30 k eyed eggs on-hand. Fish are reared to smolt and released in May.
The hatchery is operated by the Northwest Watershed Enhancement Society. In recent years, membership has expanded to include participation from at least two local schools and the Stepping Stones (special needs group).
In 2009, they leveraged $10,000 from local community groups in order to install a restroom facility and heated storage area.

Oldfield Creek PIP Hatchery

2009 Egg summary and subsequent targets are listed below:

- Diana Coho: 21,600 (54% of allotted amount)
- Hays Coho: 11,100 (74% of allotted amount)
- Oldfield Coho: 26,000 (84% of allotted amount)
- Kloiya Chinook: 23,326 (65% of allotted amount)
- Toon Chum: 5,667 (pilot project for release in Silver Creek)
- **2009 Total eggs: 87,693**

Most of the fish produced at the Oldfield Creek Hatchery are released as fed fry.
Although, Oldfield Creek coho are held until smolt - for release by the public during their

annual Smoltfest event. They presently have approximately 14 K (2008 brood - 8 gram) juvenile coho on-hand from Oldfield Creek. In 2008, they initiated an adipose clip marking program for all hatchery smolts.

The Oldfield Creek Hatchery is operated by the Prince Rupert Salmonid Enhancement Society. The group recently expanded its membership to include students and staff from the NWCC and employees from the WWF. Significant effort has been put towards revitalizing this hatchery. They are now involved with stream restoration, habitat monitoring, escapement monitoring and stewardship / education. In the fall of 2009, they recorded the second highest coho escapement to Oldfield Creek. Volunteers had a peak count of 181coho in Oldfield Creek, and 64 coho in Hays Creek. These counts also included several marked Jacks (first return since the marking program began in 2008). The hatchery is also used as a venue for our Prince Rupert Stream to Sea Program.

Oona River PIP Hatchery

Egg Targets = Spiller River coho 20 K, Oona River coho 50 K, Oona River pink 50 K and Kumealon chum 25 K
At present, the Oona River hatchery has approximately 12 K chum and 8 K coho on-hand.

This hatchery is run by the Oona River Resources Society. They started satellite chum enhancement several years ago. And are the primary SEHAB representatives for the North Coast Area. This project is also linked with the NWCC. They are also very active with local research projects.

Stream to Sea Program

Includes over 30 aquariums in Kitimat, Prince Rupert, Terrace, Kitwanga, Stewart and the Nass Valley. Many of our aquariums have several classes that participate in the program (approximately 1000 students total in the North Coast). Each school aquarium receives approximately 100 coho eggs from a local stream. Most students participate in fall egg take, and spring fry release field trips. Teachers and students fertilize their eggs back in the classroom. In Terrace, we also offer Kalum River chinook. Although, very few classes participate in the chinook program, due to the fact that our egg take field trip occurs during the first week of school. Note: Kitimat Hatchery staff provide a great deal of support for our Stream to Sea program in Kitimat schools.

Lakelse Sockeye Enhancement / Lakelse Sockeye Recovery Plan

Egg Target = 300 K Williams Creek sockeye
Spring 2009 - released ~ 300 K sockeye
No eggs were taken in the fall of 2009, due the global economic downturn and a shortage of funding support from the PSC - Northern Fund. This project is proposed for 2010 - funding support has not be confirmed.
Note: 2009 was the third release for Lakelse Sockeye fry. All fish were incubated and reared at Snootly Hatchery.

Deep Creek Hatchery (StAD)

Deep Creek Hatchery is operated by the Terrace Salmonid Enhancement Society. This project is directed by StAD. We partner with them to deliver our Stream to Sea program in Terrace (they allow us to use their hatchery facility for our fall coho egg takes). And they provide us with chinook broodstock. Deep Creek takes approximately 250 K chinook eggs each fall - all fish are Coded Wire Tagged (North Coast Chinook Key Index Stream).

COMMUNITY PROJECTS IN THE UPPER SKEENA

Brenda Donas, Community Advisor, SEP, Smithers, B.C.

Chicago Creek PIP Hatchery

The volunteers at the Chicago Creek hatchery released 16,636 of the 2008 brood year Mission Creek coho fry at a mean size of 1.2 grams. The fry were released on July 13'th, 2009 to various locations in Waterfall Creek (a tributary of Mission Creek).

The Chicago Creek Society volunteers operated the Mission Creek Coho Assessment Fence from September 19'th to November 13'th, 2009. A total of 589 adult coho were counted through the fence. There were 555 (94.2%) wild coho and 34 (5.77%) right maxillary clipped coho counted through the fence. The sex ratio was 60% female and 40% male.

The volunteers moved 261 female coho and 171 male coho upstream of the impassable Highway 16 culvert into Waterfall Creek. The newly installed spawning pads were well utilized by spawning coho this year.

Fort Babine CEDP Hatchery

The hatchery program was temporarily suspended in May 2009. There were 60,014 of the 2008 brood Babine Chinook fry released into the Babine River at the hatchery site. The fry were released on May 6'th, 2009 and the mean size was 0.53 grams per fry.

There were no eggs taken this brood year (2009). The floating raceways have been decommissioned and only the on-land incubation and rearing systems remain. The biological plan has been changed as enhancement of Babine Coho and Chinook is no longer required. The focus of the CEDP program is shifting towards small scale enhancement for the purpose of fostering stewardship and public education and awareness and may include some habitat monitoring in the coming years.

Stream to Sea Program

Our Stream to Sea education program was provided to schools from the Kitsegucla to Burns Lake areas. Each participating class received 100 of the 2008 brood coho eggs from a stream in their area. Students in the Hazelton and Kitsegucla areas released 300 Mission Creek coho fry to Waterfall Creek and assisted with some small scale habitat enhancement projects. Students in the Smithers/Houston area released 1,000 Toboggan

Creek coho fry to Lake Kathlyn. Some of the Smithers area classes also participated in assisting with some small scale habitat restoration projects. Students in the Topley/Granisle and Burns Lake area released 300 Fulton River coho fry to Babine Lake near the Fulton River. There will be no changes to the school program fry output for 2009 brood coho.

SEP COMMUNITY PROJECCTS ON THE QUEEN CHARLOTTE ISLANDS

Patrick Fairweather, Community Advisor, QCI

After eight years of service as the Community Advisor for Haida Gwaii/QCI, Christina Engel departed in May 2009 for a new position based in Vancouver as a Program Officer for the Small Craft Harbours Branch. The CA position remained vacant until Patrick Fairweather was hired starting in mid July 2009. Prior to joining DFO, Mr. Fairweather worked with the Haida Fisheries Program (Council of the Haida Nation) for 16 years as Field Projects Manager and Program Manager. This report summarizes SEP Community Involvement Program enhancement and education activities that have taken place since July, 2009.

Enhancement

The Community Advisor and Biotech worked with numerous volunteers from local public involvement groups to collect broodstock and eggs for the local hatcheries. They also worked closely with the Haida Fisheries Program to share resources and labour on the Deena Creek chum eggtake (DFO-CIP) and coho AUC escapement monitoring (HFP), which involves Peterson disk marking of coho and snorkel enumeration of several index sites. The majority of chum salmon broodstock were collected during beach seining efforts to mark Deena coho to estimate of residence time.

Charlie Valley Creek Hatchery

The Hatchery at Charlie Valley Creek in Queen Charlotte City, which is supported by the Northern Trollers Association, Hecate Strait Streamkeepers and Queen Charlotte Enhancement Group, is currently incubating approximately 110,000 chum salmon eggs (Deena Creek donor for adjacent systems), and 33,000 coho salmon eggs (Honna., Jungle, Tarundl. and Chinikundl Creeks). Eyed egg inventories are underway and should be completed by late December. A new concrete intake was installed in early September and planning is also underway to obtain funding required (~$15-20K) to rebuild/upgrade the ageing incubation building.

Alliford Bay Hatchery

The Alliford Bay Hatchery Group has collected approximately 28,000 coho eggs this year from Sachs, Haans, Blaine and Baxter (tributary to Copper) Creeks. The eggs are incubating in Alliford Bay Hatchery located near Alliford Bay west of Sandspit. Assistance was also provided to this group preparing a successful proposal to PSF for funds to purchase an electronic balance.

Port Clements Hatchery

The Port Clements Hatchery Group is currently incubating about 22,000 Mamin Creek coho eggs at their small well-water supplied hatchery in the town of Port Clements.

Deep Creek Hatchery

The Deep Creek Hatchery located just south of Masset is operated by the Salmon Unlimited Society and is currently incubating approximately 45,000 coho eggs from Grouse and Gully Creeks. This group uses broomstick fences to capture broodstock and the annual fence counts provide reliable indices of coho escapement for Grouse, Gully and Deep Creeks which drain into Masset Sound.

Old Masset CEDP

The Old Masset CEDP achieved their Yakoun River chinook egg target of 250,000 but were only able collect 36,000 coho eggs or 72% of the 50 K target. The shortfall on coho eggs was a result of lower than average escapement, which may have resulted from unusually high exploitation from both recreational and FSC net fisheries in the lower Mamin (Pers.Comm., Hatchery Crew).

Pallant Creek Hatchery

The Haida Fisheries Program is continuing to operate Pallant Creek Hatchery but future funding by DFO is uncertain at this time and egg targets for 2009 were limited to 300,000 coho and no chum. Production in 2009 included release of 9.8 million BY 2008 chum salmon and 800,000 BY 2007 coho smolts. Approximately 570,000 BY 2008 coho are rearing at the Mosquito Lake netpens for release as smolts in 2010.

In September 2009 the hatchery retained 800 coho as broodstock and subsequent holding mortality was much lower than most years resulting in an above target yield of 471,000 eggs (Pers. Comm., Irene Bruce, HFP Assistant Manager).

Education

Mr. Jason Shafto is new to the Education Coordinator position (provided under contract with Hecate Strait Streamkeepers) but has been involved in local salmon stewardship initiatives for many years. Jason also brings considerable teaching experience to the job after having served as a substitute teacher for several local schools.

Planning is well underway with teachers from the six elementary and two secondary schools regarding delivery of the Salmonids in the Classroom program and Stream to Sea curriculum as well as field trips and outdoor education activities including small habitat restoration projects for 2010.

Chum and coho eggtake demonstrations were delivered at five elementary schools as a prelude to classroom incubators, which will be loaded with eyed eggs in January. Classes from two elementary schools were also taken on field trips to local creeks where they

learned about various aquatic and riparian ecosystem aspects as they relate to salmonids, observed chum salmon spawning and measured juvenile coho captured with minnow traps.

Classroom curriculum will include Ocean's content with intertidal beach seining field trips offered as an additional hands on activity. Forage fish monitoring activities (supported by PSF funding) will also be added as a component of the beach seining field trips in 2010.

2009 SALMON LICENSE AREA F

SUMMARY OF HARVEST MANAGEMENT PERFORMANCE

The 2009 Salmon License Area F Harvest Management performance continues to be guided by a number of harvest objectives respecting the conservation of Chinook and coho stocks originating from B.C. Rivers and streams. The two main conservation issues identified within the Integrated Fisheries Management Plan (IFMP) 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 past years, there was a continuation of the Chinook Demonstration ITQ harvest management fishery involving all 284 license holders.

Chinook in Northern BC (NBC) are managed pursuant to the Pacific Salmon Treaty (PST) and allocations are administered through this process. The 2009 Aggregate Abundance Based Model (AABM) total allowable catch (TAC) for NBC was 143,000 Chinook. This allocation provided 50,000 Chinook for Recreational harvesters and 93,000 Chinook for the Salmon License Area F harvesters. Under the ITQ harvest regime this translated to 327 Chinook per vessel. This quota level was amended to 363 Chinook per vessel due to a reallocation of 10K from the Recreational sector in August.

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 2009 Chinook harvest boundary in Area 2W was again limited to North of Hippa Island. An adjustment to this southern boundary was implemented on August 22nd 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. This boundary was further amended in August due to lowered WCVI prevalence to allow for the Chinook ITQ fishery access to that area from Hippa Island to Cape St. James.

The Chinook ITQ fishery opened on June 15th and initial samples 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 3rd. A review of DNA samples affirmed the previous low DNA prevalence and the Chinook fishery was allowed to restart on August 22nd.

The total catch on the ITQ fishery was 75,470 Chinook against the 103K 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. 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 22nd with adjustments of harvest areas in Area 104 and with Areas 6 to 10 and 106 to 110 closed 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 and 104. Area 3 opened on September 1st and realized an increase in overall coho abundance and catch from previous years.

Effort levels were fairly consistent but appeared to be more randomly distributed and less concentrated than in previous years. The 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 215,372 coho were harvested in Area F with the majority (62.5%) coming from Areas 1 and 101. Area 3 provided a harvest comprising 11.8 % of the total catch.

A total of 687 sockeye and 64,544 pink (80 chums reported) were also taken in the northern troll fishery which concluded as in previous years on September 30th.

Highlights of the 2009 North Coast Troll Fishery

Final Catch Estimates to September 30:

Sockeye – 687
Coho – 215,372
Pink – 64,544
Chum – Closed (80*) reported from closed areas.
Chinook – 75,470

April 30 Salmon returns expected in 2009 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. Inside surfline areas in the QCI and Areas 6 to 10 and 106 to 110 will be closed to trolling in 2009 in support of conservation of local coho stocks. The Area F Troll fleet has maintained its effort level at 284 licenses.

Catch monitoring and sampling is integral in the management of this fishery for the 2009 salmon season and beyond. There has been a slight increase to the AABM Abundance Index which will see an increase in the Chinook ITQ from 228 in 2008 to 327 in 2009. This has led the AFHC to recommend the continuation of capping the allowable ITQ at 1,500 Chinook. Once a vessel achieves this ceiling they will then be eligible to obtain further Chinook quota. Stock rebuilding initiatives in recent years has allowed for some flexibility in time and areas of harvest for both a by-catch coho fishery with a directed coho fishery in some mixed stock locations.

Rockfish Conservation Areas will remain in effect throughout the North Coast. Two of which have been implemented at Frederick Island (Ptns. 1-1, 101-1 and 142-2) South Moresby Island (2-31 to 2-37) which are 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 continue to be driven by the requirement so as to not exceed the WCVI ocean exploitation rate (ER) of 10%. The quarterly harvest regime will be amended and guided to not exceed the allowable WCVI Chinook TAC (2,860 Chinook) 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 will also be guided by a 10% domestic ER on upper Skeena and Area 6 coho. Additional conservation requirements are necessary for QCI coho stocks which could see adjustments made to both fishing times and areas.

May 4 Area F Harvest Committee (AFHC) met to review 2009 North Coast IFMP concentrating specifically on the Chinook fisheries – ITQ Demonstration and Traditional and coho harvest. The AFHC agreed to continue with the Chinook ITQ Demonstration for 2009. The Committee 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 As in 2008, the Demonstration ITQ mail out package has been sent 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 2009 which is consistent with last year.

May 9 J.O. Thomas and Associates (JOT) will continue providing the dockside monitoring and validation with Archipelago Marine Research (AMR) handling the phone-in hails of paper logbook and ELOG reports as in previous years. AMR will continue to administrate the vessel hail-in/out and phone-in provisions for the FOS/logbook in 2009 in addition to the validation of groundfish as required.

May 28 License issuance commenced for the 2009 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 the Mark Recovery Program (MRP) requirements.

June 15 Effective 0001 hours Monday, June 15th portions of Areas 1, 101, and 142 opened 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 the Larocque Decision and "high risk" consideration by NHQ to test fishery.

July 1 Effective 0001 hours Wednesday, 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), coho, pink and Chinook salmon until further notice.

DNA results from Areas 1 and 101 received with proportion of WCVI at 1.8% for the period June 15 to June 19 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 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 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 15 Effective at 2359 h Wednesday, July 15th, 2009, the following Management Areas will close to trolling for sockeye salmon until further notice.

Subareas 101-4, 101-5, 101-8, 101-9 and those portions of Subarea 101-3 north of 54 degrees 24 minutes north latitude and east of 133 degrees west longitude.

Skeena River sockeye escapement indicates there is no commercial surplus available. Nass River run size prediction has decreased. Management actions are now being taken to ensure conservation of sockeye salmon populations. All fisheries are currently under review and actions will be taken accordingly.

This closes the north coast to trolling for sockeye salmon until further notice with non-retention of sockeye salmon in effect. Fishers may possess those sockeye previously harvested prior to the closure for now, but non-retention and non- possession will come into effect starting July 22, concurrently with the general coho opening.

July 22 Effective at 0001 hours, Wednesday, July 22 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, 102, 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 2009.

The coho fishery opened with some boundary adjustments in Management Area 104. 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 that surpluses available.

Coho closed inside the surfline in Areas 2E and 2W due to local and migrating stock concerns. Area 3 remains closed until further notice pending a reassessment of returns.

Sockeye retention prohibited 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 those currently opened areas in Hecate Strait, Area 2E, Central Coast and Queen Charlotte Sound.

July 24 Effective at 0001 hours the boundary at Tian Head is shifted to the south of Hippa Island for Chinook, coho and pink salmon until further notice. The WCVI prevalence dropped from 4.4% to 1.2% covering the period July 11 through 22.

July 29 The current catch estimates indicate that 64,600 Chinook (69.5%) have been harvested against the 93K TAC. DNA sampling to date has ranged between 1.2% and 4.5% with a total of 1,949 pieces (68%) harvested against the WCVI TAC of 2,860 pieces.

The 2009/10 Integrated Fisheries Management Plan (IFMP) specifies that a closure is scheduled for August 3rd in order to protect weak stocks of WCVI Chinook. A review of the catch and composition of WCVI Chinook within the catch suggests that the closure as specified in the IFMP effective at 2359 hours Monday, August 3, 2009 will remain in effect.

The Chinook fishery will re-open based upon the remaining AABM TAC balanced with the remaining WCVI TAC. The tentative restart date is August 29 but this date may be varied depending on the balances as previously stated.

August 3 Effective at 2359 hours Monday, August 3, 2009, and until further notice, all currently opened Areas and Subareas will close to Chinook harvest. The results of recent DNA sampling indicate that the WCVI component is low ranging from 0.8% to 4.4%.

Mandatory offloading of all Chinook will be required upon the closure. Current catch estimates indicate that approximately 69% of the Chinook TAC has been harvested.

August 22 Effective at 0001 hours Saturday, August 22, 2009 those previously closed areas for Chinook harvest will reopen until further notice. An additional 10,000 Chinook has been reallocated from the Recreational sector due to shortfalls in that sector's catch. Base level harvest will increase from the previous 327 Chinook to 363 Chinook for those vessels with current ratio allocations. Those vessels who reallocated their Chinook ITQ will not be eligible for this 36 Chinook increase. Portions of Area 3 will also open for coho and pink salmon harvest on September 1st until further notice.

September 1 Effective at 0001 hours Tuesday, September 1st, a portion of Subarea 3-3, 3-7, 3-11 and 3-12 will open to trolling for coho and pink salmon until further notice.

September 4 Effective at 0001 hours Friday, September 4th, the current Area 2W boundary South of Hippa Island will be extended south to Cape St. James which will Include that portion of 142-2 previously closed and 142-1 for Chinook, coho and pink salmon until further notice.

September 14 Effective at 0001 hours the previously closed Ribbon Boundary Areas in Areas 1 and 101 are hereby rescinded for the balance of the 2009 salmon fishery.

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 2009 salmon season.

2009 POST SEASON REVIEW AND 2010 PLANNING FRAMEWORK

SALMON

CENTRAL COAST
AREAS 7-10

2009 POST SEASON REVIEW AND 2010 PLANNING FRAMEWORK

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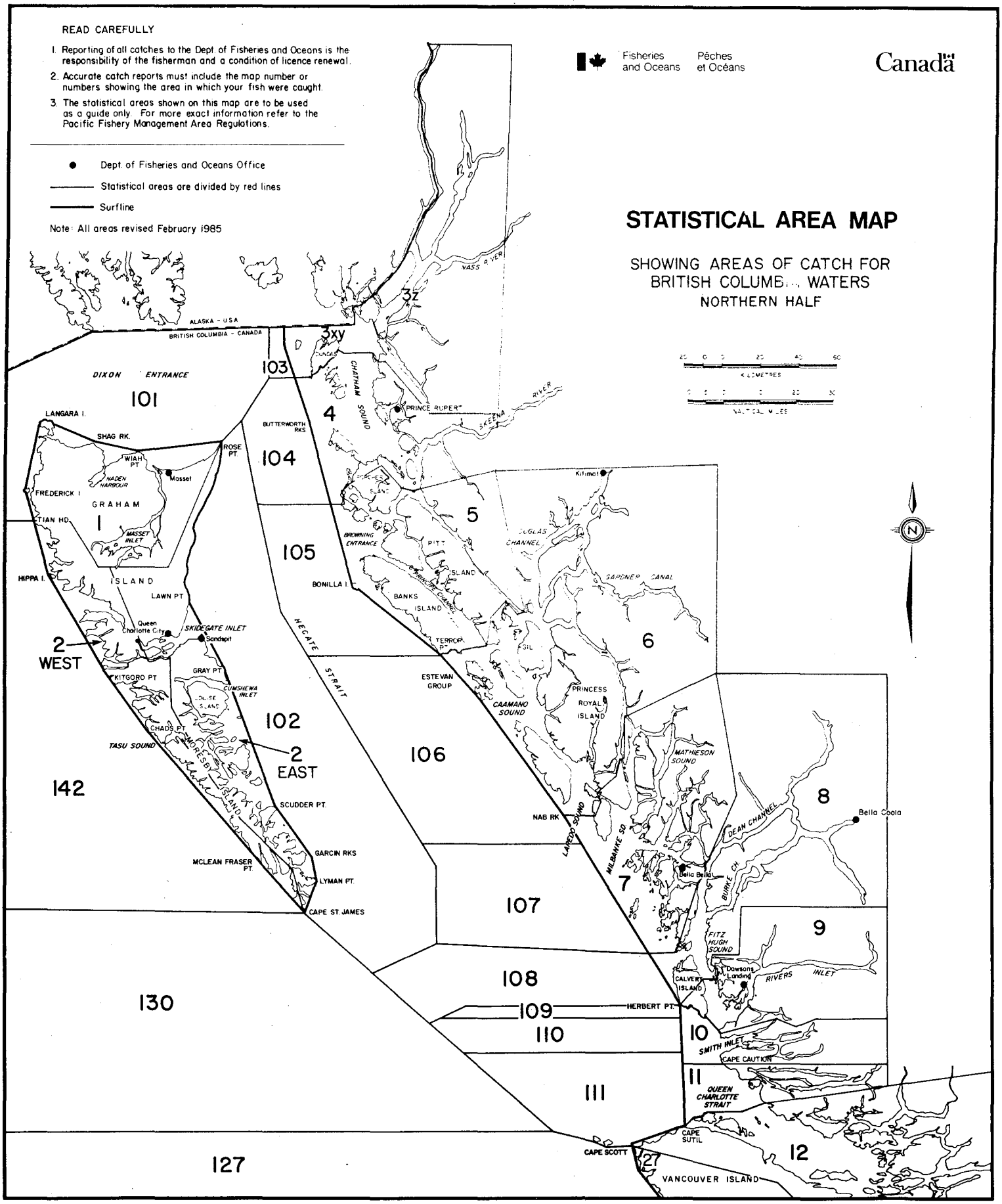


SIXTH EDITION FEB 1985

2009 Stat Week Calendar

January

Week	Su	Mo	Tu	We	Th	Fr	Sa
1					1	2	3
2	4	5	6	7	8	9	10
3	11	12	13	14	15	16	17
4	18	19	20	21	22	23	24
5	25	26	27	28	29	30	31

February

Week	Su	Mo	Tu	We	Th	Fr	Sa
6	1	2	3	4	5	6	7
7	8	9	10	11	12	13	14
8	15	16	17	18	19	20	21
9	22	23	24	25	26	27	28

March

Week	Su	Mo	Tu	We	Th	Fr	Sa
10	1	2	3	4	5	6	7
11	8	9	10	11	12	13	14
12	15	16	17	18	19	20	21
13	22	23	24	25	26	27	28
14	29	30	31				

April

Week	Su	Mo	Tu	We	Th	Fr	Sa
14				1	2	3	4
15	5	6	7	8	9	10	11
16	12	13	14	15	16	17	18
17	19	20	21	22	23	24	25
18	26	27	28	29	30		

May

Week	Su	Mo	Tu	We	Th	Fr	Sa
18						1	2
19	3	4	5	6	7	8	9
20	10	11	12	13	14	15	16
21	17	18	19	20	21	22	23
22	24	25	26	27	28	29	30
23	31						

June

Week	Su	Mo	Tu	We	Th	Fr	Sa
23		1	2	3	4	5	6
24	7	8	9	10	11	12	13
25	14	15	16	17	18	19	20
26	21	22	23	24	25	26	27
27	28	29	30				

July

Week	Su	Mo	Tu	We	Th	Fr	Sa
27				1	2	3	4
28	5	6	7	8	9	10	11
29	12	13	14	15	16	17	18
30	19	20	21	22	23	24	25
31	26	27	28	29	30	31	

August

Week	Su	Mo	Tu	We	Th	Fr	Sa
31							1
32	2	3	4	5	6	7	8
33	9	10	11	12	13	14	15
34	16	17	18	19	20	21	22
35	23	24	25	26	27	28	29
36	30	31					

September

Week	Su	Mo	Tu	We	Th	Fr	Sa
36			1	2	3	4	5
37	6	7	8	9	10	11	12
38	13	14	15	16	17	18	19
39	20	21	22	23	24	25	26
40	27	28	29	30			

October

Week	Su	Mo	Tu	We	Th	Fr	Sa
40					1	2	3
41	4	5	6	7	8	9	10
42	11	12	13	14	15	16	17
43	18	19	20	21	22	23	24
44	25	26	27	28	29	30	31

November

Week	Su	Mo	Tu	We	Th	Fr	Sa
45	1	2	3	4	5	6	7
46	8	9	10	11	12	13	14
47	15	16	17	18	19	20	21
48	22	23	24	25	26	27	28
49	29	30					

December

Week	Su	Mo	Tu	We	Th	Fr	Sa
49			1	2	3	4	5
50	6	7	8	9	10	11	12
51	13	14	15	16	17	18	19
52	20	21	22	23	24	25	26
53	27	28	29	30	31		

2010 Stat Week Calendar

January

Week	Su	Mo	Tu	We	Th	Fr	Sa
1						1	2
2	3	4	5	6	7	8	9
3	10	11	12	13	14	15	16
4	17	18	19	20	21	22	23
5	24	25	26	27	28	29	30
6	31						

February

Week	Su	Mo	Tu	We	Th	Fr	Sa
6		1	2	3	4	5	6
7	7	8	9	10	11	12	13
8	14	15	16	17	18	19	20
9	21	22	23	24	25	26	27
10	28						

March

Week	Su	Mo	Tu	We	Th	Fr	Sa
10		1	2	3	4	5	6
11	7	8	9	10	11	12	13
12	14	15	16	17	18	19	20
13	21	22	23	24	25	26	27
14	28	29	30	31			

April

Week	Su	Mo	Tu	We	Th	Fr	Sa
14					1	2	3
15	4	5	6	7	8	9	10
16	11	12	13	14	15	16	17
17	18	19	20	21	22	23	24
18	25	26	27	28	29	30	

May

Week	Su	Mo	Tu	We	Th	Fr	Sa
18							1
19	2	3	4	5	6	7	8
20	9	10	11	12	13	14	15
21	16	17	18	19	20	21	22
22	23	24	25	26	27	28	29
23	30	31					

June

Week	Su	Mo	Tu	We	Th	Fr	Sa
23			1	2	3	4	5
24	6	7	8	9	10	11	12
25	13	14	15	16	17	18	19
26	20	21	22	23	24	25	26
27	27	28	29	30			

July

Week	Su	Mo	Tu	We	Th	Fr	Sa
27					1	2	3
28	4	5	6	7	8	9	10
29	11	12	13	14	15	16	17
30	18	19	20	21	22	23	24
31	25	26	27	28	29	30	31

August

Week	Su	Mo	Tu	We	Th	Fr	Sa
32	1	2	3	4	5	6	7
33	8	9	10	11	12	13	14
34	15	16	17	18	19	20	21
35	22	23	24	25	26	27	28
36	29	30	31				

September

Week	Su	Mo	Tu	We	Th	Fr	Sa
36				1	2	3	4
37	5	6	7	8	9	10	11
38	12	13	14	15	16	17	18
39	19	20	21	22	23	24	25
40	26	27	28	29	30		

October

Week	Su	Mo	Tu	We	Th	Fr	Sa
40						1	2
41	3	4	5	6	7	8	9
42	10	11	12	13	14	15	16
43	17	18	19	20	21	22	23
44	24	25	26	27	28	29	33
45	31						

November

Week	Su	Mo	Tu	We	Th	Fr	Sa
45		1	2	3	4	5	6
46	7	8	9	10	11	12	13
47	14	15	16	17	18	19	20
48	21	22	23	24	25	26	27
49	28	29	30				

December

Week	Su	Mo	Tu	We	Th	Fr	Sa
49				1	2	3	4
50	5	6	7	8	9	10	11
51	12	13	14	15	16	17	18
52	19	20	21	22	23	24	25
53	26	27	28	29	30	31	

January-janvier

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0357	14.1	4.3	16	0434	15.7	4.8
	0952	6.9	2.1		1055	4.9	1.5
TH	1538	14.1	4.3	FR	1652	13.8	4.2
JE	2201	3.9	1.2	VE	2254	4.6	1.4
2	0434	14.1	4.3	17	0519	15.4	4.7
	1042	6.6	2.0		1151	5.2	1.6
FR	1626	13.5	4.1	SA	1750	12.5	3.8
VE	2238	4.6	1.4	SA	2340	6.2	1.9
3	0515	14.4	4.4	18	0608	14.8	4.5
	1137	6.2	1.9		1256	5.6	1.7
SA	1723	12.5	3.8	SU	1859	11.5	3.5
SA	2321	5.6	1.7	DI			
4	0601	14.4	4.4	19	0035	7.2	2.2
	1238	5.9	1.8		0705	14.4	4.4
SU	1831	11.8	3.6	MO	1412	5.6	1.7
DI				LU	2028	10.8	3.3
5	0012	6.6	2.0	20	0145	8.2	2.5
	0653	14.8	4.5		0809	14.1	4.3
MO	1344	5.2	1.6	TU	1529	5.2	1.6
LU	1949	11.5	3.5	MA	2204	11.2	3.4
6	0115	7.2	2.2	21	0303	8.5	2.6
	0750	15.1	4.6		0914	14.1	4.3
TU	1454	4.3	1.3	WE	1630	4.6	1.4
MA	2112	11.8	3.6	ME	2305	11.8	3.6
7	0227	7.5	2.3	22	0410	8.5	2.6
	0851	15.7	4.8		1012	14.4	4.4
WE	1600	3.0	0.9	TH	1718	3.9	1.2
ME	2227	12.5	3.8	JE	2347	12.5	3.8
8	0342	7.5	2.3	23	0501	7.9	2.4
	0954	16.4	5.0		1101	15.1	4.6
TH	1659	2.0	0.6	FR	1757	3.3	1.0
JE	2327	13.5	4.1	VE			
9	0449	7.2	2.2	24	0020	13.1	4.0
	1056	17.4	5.3		0542	7.5	2.3
FR	1753	1.0	0.3	SA	1142	15.4	4.7
VE				SA	1831	2.6	0.8
10	0017	14.1	4.3	25	0051	13.5	4.1
	0546	6.6	2.0		0619	6.9	2.1
SA	1152	18.0	5.5	SU	1220	15.7	4.8
SA	1843	0.0	0.0	DI	1903	2.3	0.7
11	0103	15.1	4.6	26	0120	14.1	4.3
	0639	5.6	1.7		0655	6.6	2.0
SU	1245	18.4	5.6	MO	1255	16.1	4.9
DI	1928	-0.3	-0.1	LU	1932	2.3	0.7
12	0147	15.7	4.8	27	0149	14.4	4.4
	0729	4.9	1.5		0731	5.9	1.8
MO	1334	18.4	5.6	TU	1330	15.7	4.8
LU	2011	0.0	0.0	MA	2001	2.3	0.7
13	0229	16.1	4.9	28	0218	14.8	4.5
	0819	4.6	1.4		0808	5.6	1.7
TU	1422	17.7	5.4	WE	1405	15.7	4.8
MA	2053	0.7	0.2	ME	2029	2.6	0.8
14	0311	16.4	5.0	29	0248	15.1	4.6
	0910	4.6	1.4		0846	5.2	1.6
WE	1510	16.4	5.0	TH	1442	15.1	4.6
ME	2133	1.6	0.5	JE	2058	3.0	0.9
15	0352	16.1	4.9	30	0318	15.1	4.6
	1001	4.6	1.4		0927	4.9	1.5
TH	1559	15.1	4.6	FR	1522	14.4	4.4
JE	2212	3.0	0.9	VE	2129	3.9	1.2
				31	0351	15.1	4.6
					1012	4.9	1.5
				SA	1606	13.5	4.1
				SA	2202	4.6	1.4

February-février

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0428	15.1	4.6	16	0512	14.4	4.4
	1101	4.9	1.5		1205	5.2	1.6
SU	1658	12.5	3.8	MO	1819	11.2	3.4
DI	2240	5.9	1.8	LU	2343	7.9	2.4
2	0511	15.1	4.6	17	0607	13.8	4.2
	1158	4.9	1.5		1320	5.6	1.7
MO	1802	11.8	3.6	TU	1949	10.5	3.2
LU	2329	6.9	2.1	MA			
3	0604	14.8	4.5	18	0056	8.5	2.6
	1307	4.6	1.4		0719	13.1	4.0
TU	1922	11.2	3.4	WE	1450	5.6	1.7
MA				ME	2140	10.8	3.3
4	0036	7.9	2.4	19	0229	8.9	2.7
	0711	14.8	4.5		0839	13.1	4.0
WE	1429	4.3	1.3	TH	1602	4.9	1.5
ME	2058	11.2	3.4	JE	2243	11.5	3.5
5	0204	8.2	2.5	20	0346	8.5	2.6
	0828	15.1	4.6		0948	13.8	4.2
TH	1548	3.3	1.0	FR	1652	4.3	1.3
JE	2221	12.1	3.7	VE	2321	12.1	3.7
6	0334	7.9	2.4	21	0439	7.9	2.4
	0945	15.7	4.8		1041	14.1	4.3
FR	1652	2.3	0.7	SA	1731	3.6	1.1
VE	2318	13.1	4.0	SA	2352	12.8	3.9
7	0444	6.9	2.1	22	0522	6.9	2.1
	1052	16.7	5.1		1124	14.8	4.5
SA	1744	1.3	0.4	SU	1804	3.0	0.9
SA				DI			
8	0004	14.4	4.4	23	0020	13.8	4.2
	0540	5.6	1.7		0559	5.9	1.8
SU	1147	17.4	5.3	MO	1202	15.4	4.7
DI	1829	0.3	0.1	LU	1834	2.6	0.8
9	0045	15.4	4.7	24	0047	14.1	4.3
	0630	4.6	1.4		0634	5.2	1.6
MO	1237	17.7	5.4	TU	1237	15.7	4.8
LU	1910	0.3	0.1	MA	1903	2.6	0.8
10	0123	16.1	4.9	25	0114	14.8	4.5
	0717	3.9	1.2		0710	4.6	1.4
TU	1323	17.7	5.4	WE	1313	15.7	4.8
MA	1948	0.7	0.2	ME	1930	2.6	0.8
11	0201	16.7	5.1	26	0141	15.4	4.7
	0803	3.3	1.0		0746	3.9	1.2
WE	1407	17.1	5.2	TH	1349	15.4	4.7
ME	2025	1.3	0.4	JE	1959	3.0	0.9
12	0237	16.7	5.1	27	0210	15.7	4.8
	0848	3.0	0.9		0824	3.3	1.0
TH	1451	16.1	4.9	FR	1426	15.1	4.6
JE	2100	2.3	0.7	VE	2028	3.3	1.0
13	0313	16.7	5.1	28	0241	16.1	4.9
	0933	3.3	1.0		0904	3.3	1.0
FR	1535	14.8	4.5	SA	1507	14.4	4.4
VE	2136	3.9	1.2	SA	2059	4.3	1.3
14	0350	16.1	4.9				
	1019	3.9	1.2				
SA	1622	13.5	4.1				
SA	2212	5.2	1.6				
15	0428	15.4	4.7				
	1108	4.6	1.4				
SU	1715	12.1	3.7				
DI	2253	6.6	2.0				

March-mars

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0314	16.1	4.9	16	0343	15.1	4.6
	0947	3.3	1.0		1030	3.9	1.2
SU	1551	13.5	4.1	MO	1646	12.1	3.7
DI	2134	5.2	1.6	LU	2216	7.2	2.2
2	0351	15.7	4.8	17	0423	14.1	4.3
	1035	3.6	1.1		1120	4.6	1.4
MO	1643	12.5	3.8	TU	1746	11.2	3.4
LU	2214	6.2	1.9	MA	2307	7.9	2.4
3	0435	15.1	4.6	18	0514	13.1	4.0
	1131	3.9	1.2		1226	5.2	1.6
TU	1748	11.5	3.5	WE	1908	10.8	3.3
MA	2308	7.2	2.2	ME			
4	0534	14.8	4.5	19	0021	8.5	2.6
	1243	4.3	1.3		0628	12.5	3.8
WE	1911	11.2	3.4	TH	1353	5.6	1.7
ME				JE	2051	10.8	3.3
5	0026	8.2	2.5	20	0156	8.9	2.7
	0652	14.1	4.3		0757	12.5	3.8
TH	1412	4.3	1.3	FR	1512	5.2	1.6
JE	2052	11.2	3.4	VE	2157	11.5	3.5
6	0207	8.2	2.5	21	0316	8.2	2.5
	0822	14.4	4.4		0912	12.8	3.9
FR	1535	3.3	1.0	SA	1608	4.6	1.4
VE	2208	12.5	3.8	SA	2237	12.1	3.7
7	0335	7.2	2.2	22	0412	7.2	2.2
	0942	15.1	4.6		1010	13.5	4.1
SA	1635	2.6	0.8	SU	1649	4.3	1.3
SA	2258	13.5	4.1	DI	2309	13.1	4.0
8	0439	5.9	1.8	23	0455	6.2	1.9
	1045	15.7	4.8		1057	13.8	4.2
SU	1724	1.6	0.5	MO	1724	3.6	1.1
DI	2339	14.8	4.5	LU	2337	13.8	4.2
9	0531	4.6	1.4	24	0533	4.9	1.5
	1138	16.4	5.0		1137	14.4	4.4
MO	1805	1.3	0.4	TU	1755	3.3	1.0
LU				MA			
10	0017	15.7	4.8	25	0004	14.8	4.5
	0617	3.3	1.0		0609	3.9	1.2
TU	1224	16.7	5.1	WE	1215	15.1	4.6
MA	1844	1.3	0.4	ME	1825	3.3	1.0
11	0052	16.4	5.0	26	0032	15.4	4.7
	0701	2.6	0.8		0645	3.0	0.9
WE	1308	16.4	5.0	TH	1253	15.1	4.6
ME	1920	2.0	0.6	JE	1856	3.3	1.0
12	0127	17.1	5.2	27	0102	16.1	4.9
	0743	2.0	0.6		0722	2.3	0.7
TH	1350	16.1	4.9	FR	1331	15.1	4.6
JE	1955	2.6	0.8	VE	1927	3.6	1.1
13	0201	17.1	5.2	28	0133	16.4	5.0
	0824	2.0	0.6		0802	1.6	0.5
FR	1431	15.1	4.6	SA	1412	14.8	4.5
VE	2028	3.6	1.1	SA	2001	4.3	1.3
14	0234	16.4	5.0	29	0207	16.7	5.1
	0904	2.3	0.7		0843	1.6	0.5
SA	1513	14.1	4.3	SU	1455	14.1	4.3
SA	2102	4.9	1.5	DI	2037	4.9	1.5
15	0308	15.7	4.8	30	0243	16.4	5.0
	0946	3.0	0.9		0927	1.6	0.5
SU	1557	13.1	4.0	MO	1543	13.5	4.1
DI	2137	5.9	1.8	LU	2117	5.9	1.8
				31	0325	15.7	4.8
					1017	2.3	0.7
				TU	1638	12.5	3.8
				MA	2206	6.9	2.1

TABLE DES MARÉES

2009

BELLA COOLA

HNP Z+8

April-avril

Day	Time	Feet	Metres
1	0416	15.1	4.6
	1116	3.0	0.9
WE	1745	11.8	3.6
ME	2312	7.5	2.3
2	0523	14.1	4.3
	1228	3.6	1.1
TH	1907	11.5	3.5
JE			
3	0039	7.9	2.4
	0649	13.8	4.2
FR	1352	3.9	1.2
VE	2033	12.1	3.7
4	0212	7.5	2.3
	0816	13.8	4.2
SA	1507	3.6	1.1
SA	2137	13.1	4.0
5	0329	6.2	1.9
	0931	14.1	4.3
SU	1605	3.3	1.0
DI	2225	14.1	4.3
6	0428	4.9	1.5
	1032	14.8	4.5
MO	1653	3.0	0.9
LU	2306	15.1	4.6
7	0516	3.6	1.1
	1124	15.1	4.6
TU	1735	3.0	0.9
MA	2343	16.1	4.9
8	0600	2.3	0.7
	1210	15.1	4.6
WE	1814	3.3	1.0
ME			
9	0018	16.4	5.0
	0642	1.6	0.5
TH	1253	15.1	4.6
JE	1850	3.6	1.1
10	0052	16.7	5.1
	0721	1.3	0.4
FR	1334	14.8	4.5
VE	1926	4.3	1.3
11	0126	16.4	5.0
	0800	1.3	0.4
SA	1414	14.4	4.4
SA	2000	5.2	1.6
12	0159	16.1	4.9
	0838	2.0	0.6
SU	1455	13.8	4.2
DI	2035	5.9	1.8
13	0232	15.4	4.7
	0917	2.6	0.8
MO	1538	12.8	3.9
LU	2111	6.6	2.0
14	0307	14.8	4.5
	0958	3.3	1.0
TU	1625	12.1	3.7
MA	2152	7.5	2.3
15	0346	13.8	4.2
	1044	3.9	1.2
WE	1720	11.5	3.5
ME	2245	8.2	2.5

jour	heure	pieds	mètres
16	0435	13.1	4.0
	1139	4.9	1.5
TH	1828	11.2	3.4
JE	2357	8.5	2.6
17	0544	12.5	3.8
	1248	5.2	1.6
FR	1946	11.5	3.5
VE			
18	0120	8.2	2.5
	0707	11.8	3.6
SA	1402	5.2	1.6
SA	2051	11.8	3.6
19	0236	7.5	2.3
	0824	12.1	3.7
SU	1503	5.2	1.6
DI	2137	12.5	3.8
20	0335	6.6	2.0
	0929	12.5	3.8
MO	1551	4.9	1.5
LU	2213	13.5	4.1
21	0421	5.2	1.6
	1022	13.1	4.0
TU	1632	4.6	1.4
MA	2245	14.4	4.4
22	0501	3.9	1.2
	1109	13.5	4.1
WE	1708	4.6	1.4
ME	2317	15.1	4.6
23	0540	3.0	0.9
	1151	14.1	4.3
TH	1744	4.6	1.4
JE	2349	16.1	4.9
24	0619	1.6	0.5
	1233	14.4	4.4
FR	1821	4.6	1.4
VE			
25	0024	16.7	5.1
	0659	1.0	0.3
SA	1316	14.8	4.5
SA	1859	4.9	1.5
26	0101	17.1	5.2
	0742	0.3	0.1
SU	1400	14.4	4.4
DI	1939	5.2	1.6
27	0141	17.1	5.2
	0827	0.3	0.1
MO	1447	14.1	4.3
LU	2023	5.9	1.8
28	0224	16.7	5.1
	0915	0.7	0.2
TU	1539	13.8	4.2
MA	2112	6.2	1.9
29	0314	16.1	4.9
	1007	1.6	0.5
WE	1636	13.1	4.0
ME	2211	6.9	2.1
30	0412	15.1	4.6
	1105	2.3	0.7
TH	1740	12.8	3.9
JE	2322	7.2	2.2

May-mai

Day	Time	Feet	Metres
1	0523	14.1	4.3
	1211	3.3	1.0
FR	1849	12.8	3.9
VE			
2	0042	6.9	2.1
	0642	13.5	4.1
SA	1321	3.6	1.1
SA	1957	13.5	4.1
3	0202	6.2	1.9
	0759	13.1	4.0
SU	1427	3.9	1.2
DI	2056	14.1	4.3
4	0312	5.2	1.6
	0912	13.1	4.0
MO	1525	4.3	1.3
LU	2145	14.8	4.5
5	0410	3.9	1.2
	1015	13.5	4.1
TU	1617	4.6	1.4
MA	2228	15.4	4.7
6	0459	3.0	0.9
	1110	13.8	4.2
WE	1703	4.9	1.5
ME	2307	16.1	4.9
7	0543	2.0	0.6
	1157	13.8	4.2
TH	1745	5.2	1.6
JE	2345	16.1	4.9
8	0624	1.6	0.5
	1240	14.1	4.3
FR	1824	5.6	1.7
VE			
9	0021	16.1	4.9
	0703	1.3	0.4
SA	1321	14.1	4.3
SA	1901	5.9	1.8
10	0056	16.1	4.9
	0740	1.6	0.5
SU	1401	13.8	4.2
DI	1937	6.2	1.9
11	0131	15.7	4.8
	0818	2.0	0.6
MO	1440	13.5	4.1
LU	2013	6.9	2.1
12	0206	15.4	4.7
	0855	2.3	0.7
TU	1521	13.1	4.0
MA	2052	7.2	2.2
13	0242	14.8	4.5
	0933	3.0	0.9
WE	1605	12.5	3.8
ME	2136	7.5	2.3
14	0322	13.8	4.2
	1014	3.6	1.1
TH	1653	12.5	3.8
JE	2228	7.9	2.4
15	0409	13.1	4.0
	1059	4.3	1.3
FR	1746	12.1	3.7
VE	2331	7.9	2.4

jour	heure	pieds	mètres
16	0509	12.5	3.8
	1151	4.9	1.5
SA	1843	12.1	3.7
SA			
17	0040	7.5	2.3
	0619	11.8	3.6
SU	1248	5.2	1.6
DI	1938	12.5	3.8
18	0148	6.9	2.1
	0731	11.5	3.5
MO	1346	5.6	1.7
LU	2027	13.1	4.0
19	0248	5.9	1.8
	0840	11.8	3.6
TU	1440	5.6	1.7
MA	2109	13.8	4.2
20	0340	4.9	1.5
	0944	12.1	3.7
WE	1530	5.9	1.8
ME	2149	14.8	4.5
21	0426	3.6	1.1
	1039	12.8	3.9
TH	1618	5.9	1.8
JE	2228	15.7	4.8
22	0511	2.3	0.7
	1129	13.5	4.1
FR	1705	5.9	1.8
VE	2310	16.4	5.0
23	0556	1.0	0.3
	1217	13.8	4.2
SA	1751	5.9	1.8
SA	2353	17.1	5.2
24	0641	0.3	0.1
	1303	14.4	4.4
SU	1837	5.9	1.8
DI			
25	0038	17.4	5.3
	0728	−0.3	−0.1
MO	1351	14.4	4.4
LU	1924	5.9	1.8
26	0126	17.4	5.3
	0816	0.0	0.0
TU	1440	14.4	4.4
MA	2015	5.9	1.8
27	0216	17.1	5.2
	0905	0.3	0.1
WE	1531	14.4	4.4
ME	2110	6.2	1.9
28	0310	16.4	5.0
	0956	1.0	0.3
TH	1625	14.1	4.3
JE	2211	6.2	1.9
29	0409	15.4	4.7
	1048	2.0	0.6
FR	1720	14.1	4.3
VE	2318	6.2	1.9
30	0514	14.1	4.3
	1144	3.0	0.9
SA	1817	14.1	4.3
SA			
31	0027	5.9	1.8
	0623	13.1	4.0
SU	1242	3.9	1.2
DI	1915	14.4	4.4

June-juin

Day	Time	Feet	Metres
1	0138	5.2	1.6
	0734	12.5	3.8
MO	1341	4.9	1.5
LU	2010	14.8	4.5
2	0247	4.6	1.4
	0847	12.1	3.7
TU	1441	5.6	1.7
MA	2102	15.1	4.6
3	0348	3.9	1.2
	0958	12.1	3.7
WE	1539	6.2	1.9
ME	2151	15.4	4.7
4	0440	3.0	0.9
	1058	12.5	3.8
TH	1632	6.6	2.0
JE	2236	15.4	4.7
5	0527	2.6	0.8
	1148	12.8	3.9
FR	1720	6.6	2.0
VE	2318	15.7	4.8
6	0609	2.0	0.6
	1231	13.1	4.0
SA	1802	6.9	2.1
SA	2358	15.7	4.8
7	0648	2.0	0.6
	1311	13.5	4.1
SU	1841	6.9	2.1
DI			
8	0036	15.7	4.8
	0726	2.0	0.6
MO	1348	13.5	4.1
LU	1918	6.9	2.1
9	0113	15.4	4.7
	0801	2.0	0.6
TU	1425	13.5	4.1
MA	1955	6.9	2.1
10	0149	15.1	4.6
	0836	2.3	0.7
WE	1502	13.1	4.0
ME	2035	6.9	2.1
11	0226	14.8	4.5
	0910	2.6	0.8
TH	1540	13.1	4.0
JE	2118	7.2	2.2
12	0305	14.1	4.3
	0945	3.3	1.0
FR	1619	13.1	4.0
VE	2206	7.2	2.2
13	0348	13.5	4.1
	1022	3.6	1.1
SA	1701	13.1	4.0
SA	2259	7.2	2.2
14	0439	12.8	3.9
	1102	4.3	1.3
SU	1745	13.1	4.0
DI	2357	6.9	2.1
15	0537	12.1	3.7
	1147	5.2	1.6
MO	1831	13.5	4.1
LU			

jour	heure	pieds	mètres
16	0057	6.2	1.9
	0642	11.5	3.5
TU	1237	5.9	1.8
MA	1919	13.8	4.2
17	0158	5.6	1.7
	0753	11.5	3.5
WE	1333	6.2	1.9
ME	2007	14.4	4.4
18	0257	4.6	1.4
	0905	11.5	3.5
TH	1432	6.9	2.1
JE	2057	15.1	4.6
19	0353	3.3	1.0
	1013	12.1	3.7
FR	1534	6.9	2.1
VE	2148	15.7	4.8
20	0447	2.0	0.6
	1111	12.8	3.9
SA	1633	6.9	2.1
SA	2240	16.7	5.1
21	0538	1.0	0.3
	1203	13.5	4.1
SU	1729	6.6	2.0
DI	2334	17.4	5.3
22	0628	0.3	0.1
	1252	14.1	4.3
MO	1822	6.2	1.9
LU			
23	0027	17.7	5.4
	0717	−0.3	−0.1
TU	1340	14.8	4.5
MA	1915	5.6	1.7
24	0119	17.7	5.4
	0805	−0.3	−0.1
WE	1427	15.1	4.6
ME	2007	5.2	1.6
25	0210	17.4	5.3
	0851	0.0	0.0
TH	1514	15.4	4.7
JE	2102	5.2	1.6
26	0303	16.7	5.1
	0937	0.7	0.2
FR	1600	15.4	4.7
VE	2159	4.9	1.5
27	0357	15.4	4.7
	1022	2.0	0.6
SA	1648	15.4	4.7
SA	2258	4.9	1.5
28	0455	14.1	4.3
	1109	3.3	1.0
SU	1737	15.1	4.6
DI	2359	4.9	1.5
29	0556	12.8	3.9
	1159	4.6	1.4
MO	1829	15.1	4.6
LU			
30	0105	4.9	1.5
	0704	11.8	3.6
TU	1255	5.9	1.8
MA	1924	14.8	4.5

July-juillet

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0215	**4.6**	1.4	**16**	0111	**5.2**	1.6
	0821	**11.5**	3.5		0713	**11.2**	3.4
WE	1357	**6.9**	2.1	TH	1239	**6.9**	2.1
ME	2021	**14.8**	4.5	JE	1915	**14.8**	4.5
2	0324	**4.3**	1.3	**17**	0219	**4.3**	1.3
	0942	**11.5**	3.5		0834	**11.2**	3.4
TH	1504	**7.2**	2.2	FR	1348	**7.5**	2.3
JE	2118	**14.8**	4.5	VE	2016	**15.1**	4.6
3	0424	**3.6**	1.1	**18**	0327	**3.3**	1.0
	1050	**11.8**	3.6		0954	**11.5**	3.5
FR	1607	**7.5**	2.3	SA	1505	**7.5**	2.3
VE	2211	**14.8**	4.5	SA	2121	**15.7**	4.8
4	0514	**3.3**	1.0	**19**	0430	**2.3**	0.7
	1140	**12.5**	3.8		1059	**12.5**	3.8
SA	1659	**7.5**	2.3	SU	1617	**7.2**	2.2
SA	2259	**15.1**	4.6	DI	2225	**16.4**	5.0
5	0557	**2.6**	0.8	**20**	0526	**1.3**	0.4
	1221	**12.8**	3.9		1151	**13.5**	4.1
SU	1744	**7.2**	2.2	MO	1718	**6.6**	2.0
DI	2343	**15.4**	4.7	LU	2325	**17.4**	5.3
6	0636	**2.3**	0.7	**21**	0617	**0.3**	0.1
	1257	**13.1**	4.0		1238	**14.4**	4.4
MO	1823	**6.9**	2.1	TU	1812	**5.6**	1.7
LU				MA			
7	0022	**15.4**	4.7	**22**	0020	**17.7**	5.4
	0711	**2.3**	0.7		0703	**–0.3**	–0.1
TU	1331	**13.5**	4.1	WE	1322	**15.1**	4.6
MA	1900	**6.9**	2.1	ME	1904	**4.6**	1.4
8	0059	**15.4**	4.7	**23**	0110	**18.0**	5.5
	0743	**2.3**	0.7		0747	**–0.3**	–0.1
WE	1403	**13.5**	4.1	TH	1404	**15.7**	4.8
ME	1937	**6.6**	2.0	JE	1955	**4.3**	1.3
9	0135	**15.4**	4.7	**24**	0159	**17.4**	5.3
	0814	**2.3**	0.7		0829	**0.3**	0.1
TH	1435	**13.8**	4.2	FR	1445	**16.4**	5.0
JE	2016	**6.2**	1.9	VE	2046	**3.6**	1.1
10	0211	**15.1**	4.6	**25**	0248	**16.7**	5.1
	0844	**2.6**	0.8		0909	**1.0**	0.3
FR	1507	**13.8**	4.2	SA	1527	**16.4**	5.0
VE	2056	**6.2**	1.9	SA	2138	**3.6**	1.1
11	0247	**14.4**	4.4	**26**	0338	**15.4**	4.7
	0914	**3.0**	0.9		0950	**2.3**	0.7
SA	1540	**14.1**	4.3	SU	1609	**16.1**	4.9
SA	2139	**6.2**	1.9	DI	2230	**3.9**	1.2
12	0327	**13.8**	4.2	**27**	0430	**14.1**	4.3
	0946	**3.6**	1.1		1032	**3.9**	1.2
SU	1615	**14.1**	4.3	MO	1653	**15.7**	4.8
DI	2225	**5.9**	1.8	LU	2326	**4.3**	1.3
13	0411	**13.1**	4.0	**28**	0527	**12.8**	3.9
	1020	**4.3**	1.3		1118	**5.2**	1.6
MO	1652	**14.1**	4.3	TU	1742	**15.1**	4.6
LU	2315	**5.9**	1.8	MA			
14	0502	**12.1**	3.7	**29**	0027	**4.6**	1.4
	1058	**5.2**	1.6		0632	**11.5**	3.5
TU	1733	**14.1**	4.3	WE	1212	**6.6**	2.0
MA				ME	1838	**14.4**	4.4
15	0009	**5.6**	1.7	**30**	0139	**4.9**	1.5
	0602	**11.5**	3.5		0753	**10.8**	3.3
WE	1143	**6.2**	1.9	TH	1318	**7.5**	2.3
ME	1821	**14.4**	4.4	JE	1943	**14.1**	4.3
				31	0258	**4.9**	1.5
					0929	**11.2**	3.4
				FR	1436	**8.2**	2.5
				VE	2051	**14.1**	4.3

August-août

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0407	**4.3**	1.3	**16**	0310	**3.6**	1.1
	1040	**11.5**	3.5		0944	**11.5**	3.5
SA	1547	**8.2**	2.5	SU	1457	**7.9**	2.4
SA	2153	**14.1**	4.3	DI	2110	**15.1**	4.6
2	0459	**3.6**	1.1	**17**	0418	**2.6**	0.8
	1127	**12.1**	3.7		1045	**12.8**	3.9
SU	1642	**7.5**	2.3	MO	1611	**6.9**	2.1
DI	2245	**14.8**	4.5	LU	2220	**16.1**	4.9
3	0541	**3.3**	1.0	**18**	0512	**1.6**	0.5
	1203	**12.8**	3.9		1133	**13.8**	4.2
MO	1726	**7.2**	2.2	TU	1710	**5.6**	1.7
LU	2329	**15.1**	4.6	MA	2319	**17.1**	5.2
4	0616	**2.6**	0.8	**19**	0559	**0.7**	0.2
	1234	**13.1**	4.0		1215	**15.1**	4.6
TU	1804	**6.6**	2.0	WE	1802	**4.6**	1.4
MA				ME			
5	0007	**15.4**	4.7	**20**	0010	**17.4**	5.3
	0648	**2.6**	0.8		0642	**0.3**	0.1
WE	1303	**13.8**	4.2	TH	1255	**16.1**	4.9
ME	1841	**5.9**	1.8	JE	1850	**3.3**	1.0
6	0043	**15.4**	4.7	**21**	0058	**17.4**	5.3
	0718	**2.3**	0.7		0722	**0.7**	0.2
TH	1332	**14.1**	4.3	FR	1333	**16.7**	5.1
JE	1917	**5.6**	1.7	VE	1938	**2.6**	0.8
7	0118	**15.4**	4.7	**22**	0144	**17.1**	5.2
	0746	**2.6**	0.8		0759	**1.0**	0.3
FR	1400	**14.4**	4.4	SA	1411	**17.1**	5.2
VE	1953	**5.2**	1.6	SA	2025	**2.3**	0.7
8	0152	**15.1**	4.6	**23**	0230	**16.1**	4.9
	0813	**3.0**	0.9		0838	**2.3**	0.7
SA	1429	**14.8**	4.5	SU	1449	**17.1**	5.2
SA	2031	**4.9**	1.5	DI	2111	**2.6**	0.8
9	0228	**14.8**	4.5	**24**	0316	**15.1**	4.6
	0841	**3.3**	1.0		0916	**3.6**	1.1
SU	1458	**14.8**	4.5	MO	1527	**16.4**	5.0
DI	2110	**4.6**	1.4	LU	2159	**3.0**	0.9
10	0306	**14.1**	4.3	**25**	0404	**13.8**	4.2
	0910	**3.9**	1.2		0955	**4.9**	1.5
MO	1529	**14.8**	4.5	TU	1608	**15.7**	4.8
LU	2152	**4.6**	1.4	MA	2249	**3.6**	1.1
11	0348	**13.5**	4.1	**26**	0458	**12.5**	3.8
	0942	**4.9**	1.5		1039	**6.2**	1.9
TU	1604	**14.8**	4.5	WE	1654	**14.8**	4.5
MA	2238	**4.6**	1.4	ME	2346	**4.6**	1.4
12	0436	**12.5**	3.8	**27**	0602	**11.5**	3.5
	1018	**5.6**	1.7		1133	**7.5**	2.3
WE	1644	**14.8**	4.5	TH	1751	**13.8**	4.2
ME	2330	**4.6**	1.4	JE			
13	0535	**11.5**	3.5	**28**	0057	**5.2**	1.6
	1103	**6.6**	2.0		0726	**10.8**	3.3
TH	1733	**14.4**	4.4	FR	1245	**8.2**	2.5
JE				VE	1904	**13.5**	4.1
14	0034	**4.6**	1.4	**29**	0224	**5.2**	1.6
	0648	**11.2**	3.4		0909	**10.8**	3.3
FR	1205	**7.5**	2.3	SA	1412	**8.5**	2.6
VE	1837	**14.4**	4.4	SA	2023	**13.1**	4.0
15	0150	**4.3**	1.3	**30**	0338	**4.9**	1.5
	0817	**10.8**	3.3		1017	**11.5**	3.5
SA	1327	**7.9**	2.4	SU	1528	**8.2**	2.5
SA	1952	**14.8**	4.5	DI	2131	**13.5**	4.1
				31	0431	**4.3**	1.3
					1059	**12.5**	3.8
				MO	1622	**7.5**	2.3
				LU	2225	**14.1**	4.3

September-septembre

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0512	**3.6**	1.1	**16**	0449	**2.3**	0.7
	1131	**13.1**	4.0		1106	**14.8**	4.5
TU	1705	**6.6**	2.0	WE	1701	**4.6**	1.4
MA	2309	**14.4**	4.4	ME	2308	**16.1**	4.9
2	0546	**3.3**	1.0	**17**	0534	**1.6**	0.5
	1159	**13.5**	4.1		1146	**16.1**	4.9
WE	1743	**5.9**	1.8	TH	1749	**3.3**	1.0
ME	2347	**15.1**	4.6	JE	2358	**16.7**	5.1
3	0616	**3.0**	0.9	**18**	0614	**1.6**	0.5
	1227	**14.1**	4.3		1223	**16.7**	5.1
TH	1818	**4.9**	1.5	FR	1834	**2.3**	0.7
JE				VE			
4	0023	**15.1**	4.6	**19**	0044	**16.7**	5.1
	0644	**3.0**	0.9		0653	**2.0**	0.6
FR	1253	**14.8**	4.5	SA	1259	**17.4**	5.3
VE	1853	**4.3**	1.3	SA	1918	**1.6**	0.5
5	0058	**15.1**	4.6	**20**	0128	**16.1**	4.9
	0712	**3.0**	0.9		0730	**2.6**	0.8
SA	1320	**15.1**	4.6	SU	1336	**17.4**	5.3
SA	1928	**3.6**	1.1	DI	2001	**1.3**	0.4
6	0133	**15.1**	4.6	**21**	0211	**15.4**	4.7
	0739	**3.3**	1.0		0807	**3.6**	1.1
SU	1348	**15.4**	4.7	MO	1412	**17.1**	5.2
DI	2004	**3.3**	1.0	LU	2044	**1.6**	0.5
7	0209	**14.8**	4.5	**22**	0255	**14.4**	4.4
	0808	**3.9**	1.2		0844	**4.9**	1.5
MO	1417	**15.7**	4.8	TU	1448	**16.4**	5.0
LU	2042	**3.3**	1.0	MA	2128	**2.6**	0.8
8	0248	**14.1**	4.3	**23**	0342	**13.5**	4.1
	0838	**4.6**	1.4		0923	**5.9**	1.8
TU	1449	**15.7**	4.8	WE	1526	**15.4**	4.7
MA	2123	**3.3**	1.0	ME	2214	**3.3**	1.0
9	0330	**13.5**	4.1	**24**	0433	**12.5**	3.8
	0911	**5.6**	1.7		1006	**7.2**	2.2
WE	1524	**15.4**	4.7	TH	1610	**14.4**	4.4
ME	2209	**3.6**	1.1	JE	2306	**4.3**	1.3
10	0420	**12.5**	3.8	**25**	0534	**11.5**	3.5
	0950	**6.6**	2.0		1101	**7.9**	2.4
TH	1606	**15.1**	4.6	FR	1705	**13.5**	4.1
JE	2302	**3.9**	1.2	VE			
11	0520	**11.8**	3.6	**26**	0011	**5.2**	1.6
	1041	**7.2**	2.2		0653	**11.2**	3.4
FR	1701	**14.4**	4.4	SA	1217	**8.5**	2.6
VE				SA	1821	**12.8**	3.9
12	0008	**4.3**	1.3	**27**	0134	**5.6**	1.7
	0637	**11.2**	3.4		0826	**11.2**	3.4
SA	1155	**8.2**	2.5	SU	1346	**8.5**	2.6
SA	1816	**14.1**	4.3	DI	1945	**12.5**	3.8
13	0130	**4.3**	1.3	**28**	0250	**5.2**	1.6
	0809	**11.5**	3.5		0933	**11.8**	3.6
SU	1330	**8.2**	2.5	MO	1502	**7.9**	2.4
DI	1944	**14.1**	4.3	LU	2058	**12.8**	3.9
14	0253	**3.6**	1.1	**29**	0346	**4.9**	1.5
	0929	**12.1**	3.7		1015	**12.8**	3.9
MO	1459	**7.2**	2.2	TU	1557	**6.9**	2.1
LU	2105	**14.8**	4.5	MA	2155	**13.1**	4.0
15	0358	**3.0**	0.9	**30**	0429	**4.6**	1.4
	1023	**13.5**	4.1		1048	**13.5**	4.1
TU	1607	**5.9**	1.8	WE	1640	**5.9**	1.8
MA	2212	**15.4**	4.7	ME	2242	**13.8**	4.2

October-octobre

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0505	**4.3**	1.3	**16**	0504	**3.3**	1.0
	1116	**14.1**	4.3		1113	**16.4**	5.0
TH	1718	**4.9**	1.5	FR	1734	**2.3**	0.7
JE	2323	**14.1**	4.3	VE	2345	**15.4**	4.7
2	0536	**3.9**	1.2	**17**	0545	**3.6**	1.1
	1144	**14.8**	4.5		1151	**17.1**	5.2
FR	1753	**3.9**	1.2	SA	1818	**1.6**	0.5
VE				SA			
3	0000	**14.8**	4.5	**18**	0030	**15.4**	4.7
	0606	**3.9**	1.2		0625	**3.9**	1.2
SA	1211	**15.4**	4.7	SU	1228	**17.4**	5.3
SA	1827	**3.0**	0.9	DI	1859	**1.0**	0.3
4	0037	**14.8**	4.5	**19**	0114	**15.4**	4.7
	0635	**4.3**	1.3		0703	**4.6**	1.4
SU	1240	**16.1**	4.9	MO	1304	**17.4**	5.3
DI	1903	**2.3**	0.7	LU	1940	**1.0**	0.3
5	0114	**14.8**	4.5	**20**	0156	**14.8**	4.5
	0706	**4.6**	1.4		0741	**5.2**	1.6
MO	1310	**16.4**	5.0	TU	1340	**16.7**	5.1
LU	1940	**2.0**	0.6	MA	2021	**1.6**	0.5
6	0152	**14.8**	4.5	**21**	0238	**14.1**	4.3
	0738	**4.9**	1.5		0818	**6.2**	1.9
TU	1342	**16.4**	5.0	WE	1416	**16.1**	4.9
MA	2019	**1.6**	0.5	ME	2101	**2.3**	0.7
7	0234	**14.1**	4.3	**22**	0323	**13.5**	4.1
	0813	**5.6**	1.7		0857	**6.9**	2.1
WE	1417	**16.4**	5.0	TH	1453	**15.4**	4.7
ME	2102	**2.0**	0.6	JE	2143	**3.3**	1.0
8	0319	**13.8**	4.2	**23**	0411	**12.8**	3.9
	0852	**6.2**	1.9		0941	**7.5**	2.3
TH	1457	**15.7**	4.8	FR	1534	**14.4**	4.4
JE	2149	**2.6**	0.8	VE	2230	**3.9**	1.2
9	0411	**12.8**	3.9	**24**	0506	**12.1**	3.7
	0939	**7.2**	2.2		1036	**8.2**	2.5
FR	1545	**15.1**	4.6	SA	1625	**13.5**	4.1
VE	2244	**3.3**	1.0	SA	2324	**4.9**	1.5
10	0514	**12.1**	3.7	**25**	0611	**11.8**	3.6
	1042	**7.9**	2.4		1147	**8.5**	2.6
SA	1648	**14.4**	4.4	SU	1734	**12.5**	3.8
SA	2351	**3.9**	1.2	DI			
11	0630	**12.1**	3.7	**26**	0030	**5.6**	1.7
	1204	**8.2**	2.5		0725	**11.8**	3.6
SU	1810	**13.8**	4.2	MO	1308	**8.5**	2.6
DI				LU	1855	**12.1**	3.7
12	0109	**3.9**	1.2	**27**	0141	**5.6**	1.7
	0751	**12.5**	3.8		0829	**12.5**	3.8
MO	1335	**7.5**	2.3	TU	1423	**7.9**	2.4
LU	1937	**13.8**	4.2	MA	2011	**12.1**	3.7
13	0225	**3.9**	1.2	**28**	0243	**5.6**	1.7
	0858	**13.5**	4.1		0917	**13.1**	4.0
TU	1455	**6.6**	2.0	WE	1522	**6.6**	2.0
MA	2054	**14.1**	4.3	ME	2115	**12.5**	3.8
14	0327	**3.6**	1.1	**29**	0332	**5.6**	1.7
	0950	**14.4**	4.4		0954	**13.8**	4.2
WE	1557	**4.9**	1.5	TH	1608	**5.6**	1.7
ME	2200	**14.4**	4.4	JE	2209	**12.8**	3.9
15	0418	**3.3**	1.0	**30**	0413	**5.6**	1.7
	1033	**15.7**	4.8		1026	**14.4**	4.4
TH	1648	**3.6**	1.1	FR	1647	**4.3**	1.3
JE	2256	**15.1**	4.6	VE	2255	**13.5**	4.1
				31	0450	**5.2**	1.6
					1057	**15.4**	4.7
				SA	1725	**3.3**	1.0
				SA	2337	**14.1**	4.3

November-novembre

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0525	**5.2**	1.6	**16**	0021	**14.4**	4.4
	1129	**16.1**	4.9		0602	**5.9**	1.8
SU	1802	**2.3**	0.7	MO	1201	**17.1**	5.2
DI				LU	1844	**1.3**	0.4
2	0017	**14.4**	4.4	**17**	0103	**14.4**	4.4
	0601	**5.6**	1.7		0642	**6.2**	1.9
MO	1202	**16.7**	5.1	TU	1240	**16.7**	5.1
LU	1840	**1.3**	0.4	MA	1924	**1.3**	0.4
3	0057	**14.8**	4.5	**18**	0144	**14.4**	4.4
	0637	**5.6**	1.7		0720	**6.6**	2.0
TU	1238	**17.1**	5.2	WE	1317	**16.4**	5.0
MA	1920	**1.0**	0.3	ME	2003	**1.6**	0.5
4	0139	**14.8**	4.5	**19**	0225	**14.1**	4.3
	0716	**5.9**	1.8		0758	**6.9**	2.1
WE	1316	**17.1**	5.2	TH	1354	**16.1**	4.9
ME	2003	**1.0**	0.3	JE	2040	**2.3**	0.7
5	0224	**14.4**	4.4	**20**	0305	**13.8**	4.2
	0758	**6.2**	1.9		0838	**7.2**	2.2
TH	1358	**17.1**	5.2	FR	1431	**15.4**	4.7
JE	2048	**1.0**	0.3	VE	2118	**3.0**	0.9
6	0312	**14.1**	4.3	**21**	0348	**13.5**	4.1
	0845	**6.6**	2.0		0922	**7.5**	2.3
FR	1445	**16.4**	5.0	SA	1510	**14.4**	4.4
VE	2137	**1.6**	0.5	SA	2158	**3.6**	1.1
7	0406	**13.8**	4.2	**22**	0434	**13.1**	4.0
	0940	**7.2**	2.2		1013	**7.9**	2.4
SA	1539	**15.4**	4.7	SU	1556	**13.8**	4.2
SA	2231	**2.6**	0.8	DI	2240	**4.6**	1.4
8	0505	**13.5**	4.1	**23**	0524	**12.8**	3.9
	1047	**7.5**	2.3		1113	**8.2**	2.5
SU	1645	**14.4**	4.4	MO	1652	**12.8**	3.9
DI	2332	**3.3**	1.0	LU	2329	**5.2**	1.6
9	0610	**13.5**	4.1	**24**	0618	**12.8**	3.9
	1204	**7.2**	2.2		1221	**7.9**	2.4
MO	1802	**13.8**	4.2	TU	1800	**12.1**	3.7
LU				MA			
10	0039	**3.9**	1.2	**25**	0024	**5.9**	1.8
	0717	**13.8**	4.2		0714	**13.1**	4.0
TU	1324	**6.6**	2.0	WE	1330	**7.5**	2.3
MA	1920	**13.1**	4.0	ME	1912	**11.8**	3.6
11	0146	**4.6**	1.4	**26**	0122	**6.2**	1.9
	0818	**14.4**	4.4		0805	**13.5**	4.1
WE	1438	**5.6**	1.7	TH	1433	**6.6**	2.0
ME	2036	**13.1**	4.0	JE	2024	**11.8**	3.6
12	0247	**4.9**	1.5	**27**	0219	**6.6**	2.0
	0911	**15.1**	4.6		0850	**14.1**	4.3
TH	1540	**4.3**	1.3	FR	1527	**5.6**	1.7
JE	2145	**13.5**	4.1	VE	2130	**12.1**	3.7
13	0343	**4.9**	1.5	**28**	0312	**6.6**	2.0
	0958	**16.1**	4.9		0931	**14.8**	4.5
FR	1633	**3.3**	1.0	SA	1613	**4.3**	1.3
VE	2244	**13.8**	4.2	SA	2226	**12.5**	3.8
14	0434	**5.2**	1.6	**29**	0401	**6.9**	2.1
	1041	**16.4**	5.0		1010	**15.7**	4.8
SA	1720	**2.3**	0.7	SU	1656	**3.0**	0.9
SA	2335	**14.1**	4.3	DI	2315	**13.1**	4.0
15	0520	**5.6**	1.7	**30**	0447	**6.6**	2.0
	1122	**17.1**	5.2		1051	**16.4**	5.0
SU	1803	**1.6**	0.5	MO	1739	**2.0**	0.6
DI				LU			

December-décembre

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0000	**13.8**	4.2	**16**	0056	**14.1**	4.3
	0532	**6.6**	2.0		0627	**6.9**	2.1
TU	1133	**17.1**	5.2	WE	1225	**16.4**	5.0
MA	1822	**1.0**	0.3	ME	1913	**2.0**	0.6
2	0045	**14.4**	4.4	**17**	0134	**14.1**	4.3
	0616	**6.6**	2.0		0705	**6.9**	2.1
WE	1217	**17.7**	5.4	TH	1303	**16.4**	5.0
ME	1906	**0.3**	0.1	JE	1948	**2.0**	0.6
3	0129	**14.8**	4.5	**18**	0210	**14.1**	4.3
	0702	**6.2**	1.9		0743	**6.9**	2.1
TH	1303	**17.7**	5.4	FR	1339	**16.1**	4.9
JE	1952	**0.3**	0.1	VE	2022	**2.3**	0.7
4	0215	**14.8**	4.5	**19**	0245	**14.1**	4.3
	0750	**6.2**	1.9		0821	**6.9**	2.1
FR	1351	**17.4**	5.3	SA	1416	**15.4**	4.7
VE	2038	**0.7**	0.2	SA	2055	**2.6**	0.8
5	0303	**14.8**	4.5	**20**	0321	**13.8**	4.2
	0841	**6.2**	1.9		0902	**6.9**	2.1
SA	1442	**17.1**	5.2	SU	1453	**14.8**	4.5
SA	2125	**1.0**	0.3	DI	2128	**3.3**	1.0
6	0352	**14.8**	4.5	**21**	0357	**13.8**	4.2
	0938	**6.2**	1.9		0947	**7.2**	2.2
SU	1537	**16.1**	4.9	MO	1533	**14.1**	4.3
DI	2214	**2.0**	0.6	LU	2201	**3.9**	1.2
7	0444	**14.8**	4.5	**22**	0436	**13.8**	4.2
	1041	**6.2**	1.9		1036	**7.2**	2.2
MO	1637	**14.8**	4.5	TU	1618	**13.1**	4.0
LU	2306	**3.0**	0.9	MA	2237	**4.9**	1.5
8	0538	**14.8**	4.5	**23**	0517	**13.8**	4.2
	1148	**6.2**	1.9		1131	**7.2**	2.2
TU	1744	**13.8**	4.2	WE	1712	**12.5**	3.8
MA				ME	2318	**5.6**	1.7
9	0001	**4.3**	1.3	**24**	0602	**13.8**	4.2
	0635	**15.1**	4.6		1230	**6.9**	2.1
WE	1259	**5.9**	1.8	TH	1815	**11.5**	3.5
ME	1855	**12.8**	3.9	JE			
10	0101	**5.2**	1.6	**25**	0006	**6.6**	2.0
	0733	**15.1**	4.6		0650	**13.8**	4.2
TH	1412	**5.2**	1.6	FR	1334	**6.2**	1.9
JE	2011	**12.5**	3.8	VE	1927	**11.2**	3.4
11	0204	**5.9**	1.8	**26**	0102	**7.2**	2.2
	0829	**15.4**	4.7		0741	**14.4**	4.4
FR	1520	**4.3**	1.3	SA	1438	**5.6**	1.7
VE	2128	**12.5**	3.8	SA	2045	**11.5**	3.5
12	0308	**6.6**	2.0	**27**	0206	**7.5**	2.3
	0923	**15.7**	4.8		0834	**14.8**	4.5
SA	1618	**3.6**	1.1	SU	1537	**4.3**	1.3
SA	2236	**12.8**	3.9	DI	2157	**11.8**	3.6
13	0408	**6.9**	2.1	**28**	0312	**7.9**	2.4
	1014	**16.1**	4.9		0927	**15.4**	4.7
SU	1709	**2.6**	0.8	MO	1631	**3.3**	1.0
DI	2330	**13.5**	4.1	LU	2256	**12.8**	3.9
14	0500	**6.9**	2.1	**29**	0415	**7.5**	2.3
	1101	**16.4**	5.0		1021	**16.4**	5.0
MO	1754	**2.3**	0.7	TU	1721	**2.0**	0.6
LU				MA	2347	**13.5**	4.1
15	0016	**13.8**	4.2	**30**	0511	**7.2**	2.2
	0546	**6.9**	2.1		1114	**17.1**	5.2
TU	1145	**16.4**	5.0	WE	1809	**1.0**	0.3
MA	1835	**2.0**	0.6	ME			
				31	0033	**14.4**	4.4
					0602	**6.6**	2.0
				TH	1206	**17.7**	5.4
				JE	1856	**0.3**	0.1

January-janvier

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0353	13.8	4.2	16	0431	15.4	4.7
	0942	7.2	2.2		1052	5.6	1.7
TH	1527	13.8	4.2	FR	1643	13.1	4.0
JE	2156	4.3	1.3	VE	2245	5.2	1.6
2	0429	13.8	4.2	17	0514	14.8	4.5
	1032	6.9	2.1		1151	5.6	1.7
FR	1615	13.1	4.0	SA	1744	11.8	3.6
VE	2232	4.9	1.5	SA	2329	6.6	2.0
3	0509	14.1	4.3	18	0602	14.4	4.4
	1130	6.9	2.1		1259	5.9	1.8
SA	1711	12.1	3.7	SU	1901	10.8	3.3
SA	2313	5.9	1.8	DI			
4	0554	14.1	4.3	19	0023	7.9	2.4
	1234	6.2	1.9		0659	14.1	4.3
SU	1820	11.5	3.5	MO	1415	5.9	1.8
DI				LU	2039	10.8	3.3
5	0002	6.6	2.0	20	0134	8.5	2.6
	0646	14.4	4.4		0804	13.8	4.2
MO	1344	5.6	1.7	TU	1528	5.2	1.6
LU	1945	11.2	3.4	MA	2207	11.2	3.4
6	0104	7.5	2.3	21	0255	8.9	2.7
	0744	14.8	4.5		0907	14.1	4.3
TU	1453	4.6	1.4	WE	1626	4.6	1.4
MA	2113	11.5	3.5	ME	2305	11.8	3.6
7	0218	7.9	2.4	22	0402	8.9	2.7
	0845	15.4	4.7		1003	14.4	4.4
WE	1557	3.3	1.0	TH	1713	4.3	1.3
ME	2228	12.1	3.7	JE	2347	12.1	3.7
8	0332	7.9	2.4	23	0453	8.2	2.5
	0947	16.1	4.9		1050	14.8	4.5
TH	1655	2.3	0.7	FR	1752	3.6	1.1
JE	2327	12.8	3.9	VE			
9	0439	7.5	2.3	24	0021	12.8	3.9
	1046	16.7	5.1		0535	7.9	2.4
FR	1749	1.3	0.4	SA	1131	15.1	4.6
VE				SA	1826	3.0	0.9
10	0017	13.8	4.2	25	0052	13.1	4.0
	0537	6.9	2.1		0612	7.5	2.3
SA	1142	17.4	5.3	SU	1208	15.4	4.7
SA	1838	0.7	0.2	DI	1857	3.0	0.9
11	0104	14.4	4.4	26	0120	13.5	4.1
	0631	6.2	1.9		0648	6.9	2.1
SU	1235	17.7	5.4	MO	1244	15.4	4.7
DI	1923	0.3	0.1	LU	1927	2.6	0.8
12	0147	15.1	4.6	27	0148	14.1	4.3
	0723	5.6	1.7		0723	6.6	2.0
MO	1325	17.4	5.3	TU	1319	15.4	4.7
LU	2006	0.7	0.2	MA	1955	2.6	0.8
13	0229	15.4	4.7	28	0215	14.1	4.3
	0814	5.2	1.6		0759	6.2	1.9
TU	1414	16.7	5.1	WE	1354	15.4	4.7
MA	2047	1.3	0.4	ME	2023	3.0	0.9
14	0310	15.7	4.8	29	0244	14.4	4.4
	0905	5.2	1.6		0838	5.9	1.8
WE	1502	15.7	4.8	TH	1432	14.8	4.5
ME	2126	2.3	0.7	JE	2052	3.6	1.1
15	0350	15.7	4.8	30	0313	14.8	4.5
	0957	5.2	1.6		0919	5.6	1.7
TH	1551	14.4	4.4	FR	1511	14.1	4.3
JE	2205	3.6	1.1	VE	2122	4.3	1.3
				31	0345	14.8	4.5
					1004	5.6	1.7
				SA	1555	13.1	4.0
				SA	2154	5.2	1.6

February-février

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0420	14.8	4.5	16	0503	14.1	4.3
	1054	5.2	1.6		1205	5.6	1.7
SU	1646	12.5	3.8	MO	1817	10.8	3.3
DI	2230	6.2	1.9	LU	2328	8.2	2.5
2	0502	14.8	4.5	17	0558	13.5	4.1
	1154	5.2	1.6		1321	5.9	1.8
MO	1751	11.5	3.5	TU	1959	10.5	3.2
LU	2316	7.2	2.2	MA			
3	0555	14.8	4.5	18	0041	8.9	2.7
	1306	5.2	1.6		0710	13.1	4.0
TU	1918	10.8	3.3	WE	1446	5.9	1.8
MA				ME	2141	10.8	3.3
4	0021	8.2	2.5	19	0219	9.2	2.8
	0703	14.8	4.5		0830	13.1	4.0
WE	1427	4.6	1.4	TH	1555	5.2	1.6
ME	2102	11.2	3.4	JE	2240	11.5	3.5
5	0153	8.5	2.6	20	0338	8.9	2.7
	0821	14.8	4.5		0937	13.5	4.1
TH	1543	3.6	1.1	FR	1645	4.6	1.4
JE	2222	11.8	3.6	VE	2320	12.1	3.7
6	0325	8.2	2.5	21	0433	8.2	2.5
	0937	15.4	4.7		1029	14.1	4.3
FR	1646	2.6	0.8	SA	1724	3.9	1.2
VE	2318	12.8	3.9	SA	2351	12.8	3.9
7	0436	7.5	2.3	22	0516	7.5	2.3
	1041	16.4	5.0		1113	14.4	4.4
SA	1737	1.6	0.5	SU	1758	3.6	1.1
SA				DI			
8	0003	14.1	4.3	23	0019	13.5	4.1
	0533	6.2	1.9		0553	6.6	2.0
SU	1138	17.1	5.2	MO	1151	15.1	4.6
DI	1823	1.0	0.3	LU	1828	3.3	1.0
9	0044	14.8	4.5	24	0045	14.1	4.3
	0624	5.2	1.6		0628	5.9	1.8
MO	1228	17.1	5.2	TU	1228	15.1	4.6
LU	1904	1.0	0.3	MA	1856	3.0	0.9
10	0122	15.7	4.8	25	0111	14.4	4.4
	0712	4.6	1.4		0703	5.2	1.6
TU	1315	17.1	5.2	WE	1304	15.4	4.7
MA	1942	1.3	0.4	ME	1924	3.0	0.9
11	0158	16.1	4.9	26	0137	15.1	4.6
	0758	3.9	1.2		0739	4.6	1.4
WE	1400	16.4	5.0	TH	1340	15.1	4.6
ME	2018	2.0	0.6	JE	1952	3.6	1.1
12	0234	16.1	4.9	27	0205	15.4	4.7
	0843	3.9	1.2		0817	3.9	1.2
TH	1444	15.4	4.7	FR	1418	14.8	4.5
JE	2053	3.3	1.0	VE	2021	3.9	1.2
13	0308	16.1	4.9	28	0234	15.7	4.8
	0928	3.9	1.2		0857	3.9	1.2
FR	1528	14.1	4.3	SA	1458	14.1	4.3
VE	2127	4.6	1.4	SA	2051	4.9	1.5
14	0343	15.4	4.7				
	1015	4.6	1.4				
SA	1615	12.8	3.9				
SA	2202	5.9	1.8				
15	0421	14.8	4.5				
	1105	4.9	1.5				
SU	1707	11.8	3.6				
DI	2240	7.2	2.2				

March-mars

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0306	15.7	4.8	16	0335	14.8	4.5
	0940	3.9	1.2		1025	4.3	1.3
SU	1542	13.1	4.0	MO	1640	11.8	3.6
DI	2124	5.6	1.7	LU	2205	7.5	2.3
2	0342	15.4	4.7	17	0414	13.8	4.2
	1028	3.9	1.2		1117	5.2	1.6
MO	1633	12.5	3.8	TU	1742	11.2	3.4
LU	2203	6.6	2.0	MA	2251	8.2	2.5
3	0426	15.1	4.6	18	0504	13.1	4.0
	1127	4.3	1.3		1223	5.6	1.7
TU	1739	11.5	3.5	WE	1912	10.5	3.2
MA	2254	7.5	2.3	ME			
4	0523	14.4	4.4	19	0003	8.9	2.7
	1242	4.6	1.4		0615	12.5	3.8
WE	1912	10.8	3.3	TH	1347	5.9	1.8
ME				JE	2052	10.8	3.3
5	0012	8.5	2.6	20	0144	9.2	2.8
	0643	14.1	4.3		0743	12.5	3.8
TH	1409	4.6	1.4	FR	1503	5.6	1.7
JE	2056	11.2	3.4	VE	2154	11.5	3.5
6	0159	8.5	2.6	21	0309	8.5	2.6
	0814	14.1	4.3		0900	12.5	3.8
FR	1528	3.9	1.2	SA	1559	5.2	1.6
VE	2207	12.1	3.7	SA	2234	12.1	3.7
7	0329	7.9	2.4	22	0406	7.5	2.3
	0933	14.8	4.5		0959	13.1	4.0
SA	1628	3.0	0.9	SU	1641	4.6	1.4
SA	2257	13.5	4.1	DI	2306	12.8	3.9
8	0433	6.6	2.0	23	0450	6.6	2.0
	1037	15.4	4.7		1047	13.8	4.2
SU	1717	2.3	0.7	MO	1717	4.3	1.3
DI	2338	14.4	4.4	LU	2334	13.8	4.2
9	0526	5.2	1.6	24	0528	5.6	1.7
	1131	15.7	4.8		1129	14.1	4.3
MO	1759	2.0	0.6	TU	1748	3.9	1.2
LU				MA			
10	0015	15.4	4.7	25	0001	14.4	4.4
	0613	4.3	1.3		0604	4.6	1.4
TU	1218	16.1	4.9	WE	1208	14.4	4.4
MA	1837	2.3	0.7	ME	1819	3.9	1.2
11	0049	16.1	4.9	26	0028	15.1	4.6
	0657	3.3	1.0		0640	3.6	1.1
WE	1303	15.7	4.8	TH	1246	14.8	4.5
ME	1913	2.6	0.8	JE	1849	3.9	1.2
12	0123	16.4	5.0	27	0056	15.7	4.8
	0739	3.0	0.9		0717	3.0	0.9
TH	1346	15.4	4.7	FR	1325	14.8	4.5
JE	1947	3.6	1.1	VE	1919	4.3	1.3
13	0155	16.4	5.0	28	0126	16.1	4.9
	0819	2.6	0.8		0756	2.3	0.7
FR	1427	14.4	4.4	SA	1406	14.4	4.4
VE	2021	4.6	1.4	SA	1952	4.9	1.5
14	0227	16.1	4.9	29	0159	16.4	5.0
	0859	3.0	0.9		0837	2.3	0.7
SA	1508	13.8	4.2	SU	1448	13.8	4.2
SA	2053	5.6	1.7	DI	2027	5.6	1.7
15	0259	15.4	4.7	30	0235	16.1	4.9
	0941	3.6	1.1		0922	2.3	0.7
SU	1551	12.8	3.9	MO	1536	13.1	4.0
DI	2127	6.6	2.0	LU	2106	6.2	1.9
				31	0316	15.7	4.8
					1013	3.0	0.9
				TU	1631	12.5	3.8
				MA	2154	7.2	2.2

April-avril

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0407	**14.8**	4.5	**16**	0425	**12.8**	3.9
	1113	**3.6**	1.1		1134	**4.9**	1.5
WE	1741	**11.8**	3.6	TH	1826	**11.2**	3.4
ME	2258	**7.9**	2.4	JE	2337	**8.5**	2.6
2	0513	**14.1**	4.3	**17**	0529	**12.1**	3.7
	1227	**3.9**	1.2		1241	**5.6**	1.7
TH	1910	**11.5**	3.5	FR	1946	**11.2**	3.4
JE				VE			
3	0029	**8.2**	2.5	**18**	0106	**8.5**	2.6
	0639	**13.5**	4.1		0650	**11.8**	3.6
FR	1349	**4.3**	1.3	SA	1353	**5.6**	1.7
VE	2035	**12.1**	3.7	SA	2049	**11.5**	3.5
4	0208	**7.9**	2.4	**19**	0229	**7.9**	2.4
	0808	**13.5**	4.1		0811	**11.8**	3.6
SA	1501	**3.9**	1.2	SU	1454	**5.6**	1.7
SA	2137	**12.8**	3.9	DI	2134	**12.1**	3.7
5	0326	**6.6**	2.0	**20**	0330	**6.9**	2.1
	0925	**13.8**	4.2		0919	**12.1**	3.7
SU	1559	**3.6**	1.1	MO	1543	**5.2**	1.6
DI	2223	**13.8**	4.2	LU	2210	**13.1**	4.0
6	0424	**5.2**	1.6	**21**	0417	**5.9**	1.8
	1027	**14.1**	4.3		1015	**12.5**	3.8
MO	1647	**3.6**	1.1	TU	1624	**4.9**	1.5
LU	2303	**14.8**	4.5	MA	2242	**13.8**	4.2
7	0514	**3.9**	1.2	**22**	0457	**4.6**	1.4
	1120	**14.4**	4.4		1102	**13.1**	4.0
TU	1729	**3.6**	1.1	WE	1701	**4.9**	1.5
MA	2340	**15.4**	4.7	ME	2313	**14.8**	4.5
8	0558	**3.0**	0.9	**23**	0536	**3.3**	1.0
	1207	**14.8**	4.5		1146	**13.5**	4.1
WE	1807	**3.9**	1.2	TH	1737	**4.9**	1.5
ME				JE	2344	**15.4**	4.7
9	0014	**16.1**	4.9	**24**	0616	**2.3**	0.7
	0639	**2.3**	0.7		1229	**13.8**	4.2
TH	1251	**14.4**	4.4	FR	1813	**4.9**	1.5
JE	1843	**4.6**	1.4	VE			
10	0047	**16.1**	4.9	**25**	0017	**16.1**	4.9
	0718	**2.0**	0.6		0656	**1.6**	0.5
FR	1332	**14.1**	4.3	SA	1312	**14.1**	4.3
VE	1918	**4.9**	1.5	SA	1849	**5.2**	1.6
11	0119	**16.1**	4.9	**26**	0053	**16.4**	5.0
	0757	**2.3**	0.7		0738	**1.0**	0.3
SA	1413	**13.8**	4.2	SU	1356	**13.8**	4.2
SA	1952	**5.6**	1.7	DI	1929	**5.6**	1.7
12	0151	**15.7**	4.8	**27**	0132	**16.7**	5.1
	0835	**2.6**	0.8		0823	**1.0**	0.3
SU	1453	**13.1**	4.0	MO	1443	**13.5**	4.1
DI	2026	**6.6**	2.0	LU	2012	**6.2**	1.9
13	0224	**15.1**	4.6	**28**	0216	**16.4**	5.0
	0913	**3.0**	0.9		0911	**1.3**	0.4
MO	1534	**12.5**	3.8	TU	1535	**13.1**	4.0
LU	2101	**7.2**	2.2	MA	2101	**6.6**	2.0
14	0259	**14.4**	4.4	**29**	0305	**15.7**	4.8
	0954	**3.6**	1.1		1004	**2.0**	0.6
TU	1620	**11.8**	3.6	WE	1633	**12.8**	3.9
MA	2140	**7.9**	2.4	ME	2200	**7.2**	2.2
15	0338	**13.8**	4.2	**30**	0403	**14.8**	4.5
	1040	**4.6**	1.4		1103	**2.6**	0.8
WE	1715	**11.5**	3.5	TH	1739	**12.5**	3.8
ME	2229	**8.2**	2.5	JE	2312	**7.5**	2.3

May-mai

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0512	**13.8**	4.2	**16**	0455	**12.1**	3.7
	1209	**3.6**	1.1		1145	**4.9**	1.5
FR	1851	**12.5**	3.8	SA	1839	**11.8**	3.6
VE				SA			
2	0037	**7.2**	2.2	**17**	0026	**7.9**	2.4
	0632	**13.1**	4.0		0602	**11.5**	3.5
SA	1318	**3.9**	1.2	SU	1242	**5.2**	1.6
SA	1959	**12.8**	3.9	DI	1936	**12.1**	3.7
3	0201	**6.6**	2.0	**18**	0140	**7.2**	2.2
	0754	**12.8**	3.9		0718	**11.2**	3.4
SU	1423	**4.3**	1.3	MO	1340	**5.6**	1.7
DI	2056	**13.5**	4.1	LU	2025	**12.5**	3.8
4	0311	**5.6**	1.7	**19**	0244	**6.2**	1.9
	0909	**12.8**	3.9		0832	**11.2**	3.4
MO	1520	**4.6**	1.4	TU	1435	**5.6**	1.7
LU	2143	**14.1**	4.3	MA	2107	**13.5**	4.1
5	0408	**4.3**	1.3	**20**	0337	**5.2**	1.6
	1014	**12.8**	3.9		0938	**11.5**	3.5
TU	1611	**4.9**	1.5	WE	1525	**5.9**	1.8
MA	2225	**14.8**	4.5	ME	2146	**14.1**	4.3
6	0457	**3.3**	1.0	**21**	0424	**3.9**	1.2
	1109	**13.1**	4.0		1035	**12.1**	3.7
WE	1656	**5.2**	1.6	TH	1612	**5.9**	1.8
ME	2304	**15.4**	4.7	JE	2225	**15.1**	4.6
7	0541	**2.6**	0.8	**22**	0508	**2.6**	0.8
	1158	**13.5**	4.1		1126	**12.8**	3.9
TH	1738	**5.6**	1.7	FR	1657	**5.9**	1.8
JE	2340	**15.4**	4.7	VE	2304	**15.7**	4.8
8	0622	**2.0**	0.6	**23**	0553	**1.6**	0.5
	1241	**13.5**	4.1		1214	**13.1**	4.0
FR	1817	**5.9**	1.8	SA	1741	**5.9**	1.8
VE				SA	2346	**16.4**	5.0
9	0015	**15.4**	4.7	**24**	0638	**0.7**	0.2
	0701	**2.0**	0.6		1301	**13.5**	4.1
SA	1322	**13.5**	4.1	SU	1827	**5.9**	1.8
SA	1853	**6.2**	1.9	DI			
10	0050	**15.4**	4.7	**25**	0030	**16.7**	5.1
	0738	**2.0**	0.6		0725	**0.3**	0.1
SU	1401	**13.1**	4.0	MO	1349	**13.5**	4.1
DI	1929	**6.6**	2.0	LU	1915	**5.9**	1.8
11	0124	**15.1**	4.6	**26**	0118	**16.7**	5.1
	0815	**2.3**	0.7		0813	**0.3**	0.1
MO	1440	**12.8**	3.9	TU	1439	**13.5**	4.1
LU	2005	**6.9**	2.1	MA	2006	**6.2**	1.9
12	0158	**14.8**	4.5	**27**	0208	**16.4**	5.0
	0852	**2.6**	0.8		0903	**0.7**	0.2
TU	1520	**12.5**	3.8	WE	1530	**13.5**	4.1
MA	2042	**7.2**	2.2	ME	2102	**6.2**	1.9
13	0234	**14.1**	4.3	**28**	0302	**15.7**	4.8
	0930	**3.3**	1.0		0953	**1.3**	0.4
WE	1602	**12.1**	3.7	TH	1623	**13.5**	4.1
ME	2123	**7.5**	2.3	JE	2204	**6.2**	1.9
14	0313	**13.5**	4.1	**29**	0401	**14.8**	4.5
	1010	**3.6**	1.1		1046	**2.3**	0.7
TH	1648	**11.8**	3.6	FR	1720	**13.5**	4.1
JE	2212	**7.9**	2.4	VE	2312	**6.2**	1.9
15	0359	**12.8**	3.9	**30**	0505	**13.5**	4.1
	1055	**4.3**	1.3		1141	**3.0**	0.9
FR	1741	**11.5**	3.5	SA	1817	**13.5**	4.1
VE	2313	**7.9**	2.4	SA			
				31	0025	**5.9**	1.8
					0616	**12.5**	3.8
				SU	1238	**3.9**	1.2
				DI	1915	**13.8**	4.2

June-juin

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0139	**5.6**	1.7	**16**	0050	**6.6**	2.0
	0732	**11.8**	3.6		0630	**11.2**	3.4
MO	1338	**4.9**	1.5	TU	1232	**5.6**	1.7
LU	2010	**14.1**	4.3	MA	1916	**13.1**	4.0
2	0248	**4.6**	1.4	**17**	0155	**5.6**	1.7
	0849	**11.5**	3.5		0746	**10.8**	3.3
TU	1437	**5.6**	1.7	WE	1328	**6.2**	1.9
MA	2101	**14.1**	4.3	ME	2005	**13.5**	4.1
3	0347	**3.9**	1.2	**18**	0255	**4.6**	1.4
	1000	**11.8**	3.6		0902	**10.8**	3.3
WE	1534	**6.2**	1.9	TH	1427	**6.6**	2.0
ME	2148	**14.4**	4.4	JE	2054	**14.1**	4.3
4	0439	**3.3**	1.0	**19**	0351	**3.6**	1.1
	1059	**12.1**	3.7		1011	**11.5**	3.5
TH	1626	**6.6**	2.0	FR	1527	**6.9**	2.1
JE	2232	**14.8**	4.5	VE	2144	**15.1**	4.6
5	0526	**2.6**	0.8	**20**	0444	**2.3**	0.7
	1150	**12.1**	3.7		1110	**12.1**	3.7
FR	1713	**6.6**	2.0	SA	1625	**6.9**	2.1
VE	2313	**14.8**	4.5	SA	2234	**15.7**	4.8
6	0608	**2.3**	0.7	**21**	0535	**1.3**	0.4
	1234	**12.5**	3.8		1202	**12.8**	3.9
SA	1755	**6.9**	2.1	SU	1720	**6.6**	2.0
SA	2352	**15.1**	4.6	DI	2326	**16.4**	5.0
7	0647	**2.0**	0.6	**22**	0625	**0.3**	0.1
	1313	**12.8**	3.9		1252	**13.1**	4.0
SU	1834	**6.9**	2.1	MO	1814	**6.2**	1.9
DI				LU			
8	0029	**15.1**	4.6	**23**	0018	**16.7**	5.1
	0724	**2.0**	0.6		0714	**0.0**	0.0
MO	1350	**12.8**	3.9	TU	1340	**13.8**	4.2
LU	1911	**6.9**	2.1	MA	1907	**5.9**	1.8
9	0105	**14.8**	4.5	**24**	0110	**16.7**	5.1
	0759	**2.3**	0.7		0802	**0.0**	0.0
TU	1426	**12.5**	3.8	WE	1426	**14.1**	4.3
MA	1948	**6.9**	2.1	ME	2001	**5.6**	1.7
10	0140	**14.4**	4.4	**25**	0203	**16.4**	5.0
	0833	**2.3**	0.7		0848	**0.3**	0.1
WE	1502	**12.5**	3.8	TH	1513	**14.4**	4.4
ME	2026	**6.9**	2.1	JE	2056	**5.2**	1.6
11	0217	**14.1**	4.3	**26**	0255	**15.7**	4.8
	0907	**2.6**	0.8		0933	**1.0**	0.3
TH	1538	**12.5**	3.8	FR	1559	**14.4**	4.4
JE	2107	**7.2**	2.2	VE	2154	**5.2**	1.6
12	0255	**13.8**	4.2	**27**	0350	**14.4**	4.4
	0942	**3.3**	1.0		1019	**2.0**	0.6
FR	1616	**12.5**	3.8	SA	1647	**14.4**	4.4
VE	2153	**7.2**	2.2	SA	2255	**4.9**	1.5
13	0338	**13.1**	4.0	**28**	0448	**13.5**	4.1
	1019	**3.6**	1.1		1105	**3.3**	1.0
SA	1656	**12.5**	3.8	SU	1735	**14.4**	4.4
SA	2246	**7.2**	2.2	DI	2359	**4.9**	1.5
14	0426	**12.1**	3.7	**29**	0551	**12.1**	3.7
	1058	**4.3**	1.3		1155	**4.6**	1.4
SU	1740	**12.5**	3.8	MO	1827	**14.1**	4.3
DI	2345	**6.9**	2.1	LU			
15	0523	**11.5**	3.5	**30**	0108	**4.9**	1.5
	1143	**4.9**	1.5		0705	**11.2**	3.4
MO	1827	**12.8**	3.9	TU	1251	**5.9**	1.8
LU				MA	1922	**13.8**	4.2

July-juillet

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0218	**4.6**	1.4	**16**	0109	**4.9**	1.5
	0828	**10.8**	3.3		0708	**10.5**	3.2
WE	1354	**6.9**	2.1	TH	1231	**6.9**	2.1
ME	2019	**13.8**	4.2	JE	1910	**13.8**	4.2
2	0324	**3.9**	1.2	**17**	0218	**4.3**	1.3
	0948	**10.8**	3.3		0835	**10.5**	3.2
TH	1500	**7.2**	2.2	FR	1341	**7.2**	2.2
JE	2115	**13.8**	4.2	VE	2012	**14.1**	4.3
3	0422	**3.6**	1.1	**18**	0326	**3.3**	1.0
	1052	**11.2**	3.4		0956	**10.8**	3.3
FR	1602	**7.5**	2.3	SA	1458	**7.5**	2.3
VE	2207	**14.1**	4.3	SA	2116	**14.8**	4.5
4	0512	**3.0**	0.9	**19**	0427	**2.3**	0.7
	1142	**11.8**	3.6		1059	**11.8**	3.6
SA	1654	**7.2**	2.2	SU	1609	**7.2**	2.2
SA	2254	**14.4**	4.4	DI	2218	**15.4**	4.7
5	0555	**2.6**	0.8	**20**	0523	**1.3**	0.4
	1224	**12.1**	3.7		1151	**12.8**	3.9
SU	1738	**7.2**	2.2	MO	1710	**6.6**	2.0
DI	2336	**14.8**	4.5	LU	2317	**16.4**	5.0
6	0633	**2.3**	0.7	**21**	0613	**0.7**	0.2
	1259	**12.5**	3.8		1238	**13.5**	4.1
MO	1818	**6.9**	2.1	TU	1806	**5.6**	1.7
LU				MA			
7	0014	**14.8**	4.5	**22**	0011	**16.7**	5.1
	0708	**2.3**	0.7		0659	**0.0**	0.0
TU	1333	**12.5**	3.8	WE	1322	**14.1**	4.3
MA	1855	**6.6**	2.0	ME	1859	**4.9**	1.5
8	0050	**14.8**	4.5	**23**	0103	**16.7**	5.1
	0740	**2.3**	0.7		0743	**0.0**	0.0
WE	1405	**12.8**	3.9	TH	1403	**14.8**	4.5
ME	1931	**6.6**	2.0	JE	1950	**4.3**	1.3
9	0126	**14.4**	4.4	**24**	0153	**16.4**	5.0
	0811	**2.3**	0.7		0825	**0.7**	0.2
TH	1435	**12.8**	3.9	FR	1444	**15.1**	4.6
JE	2008	**6.2**	1.9	VE	2042	**3.9**	1.2
10	0201	**14.1**	4.3	**25**	0242	**15.4**	4.7
	0841	**2.6**	0.8		0905	**1.3**	0.4
FR	1506	**13.1**	4.0	SA	1525	**15.4**	4.7
VE	2047	**6.2**	1.9	SA	2134	**3.9**	1.2
11	0238	**13.8**	4.2	**26**	0332	**14.4**	4.4
	0911	**3.0**	0.9		0945	**2.6**	0.8
SA	1537	**13.1**	4.0	SU	1606	**15.1**	4.6
SA	2129	**6.2**	1.9	DI	2228	**3.9**	1.2
12	0318	**13.1**	4.0	**27**	0425	**13.1**	4.0
	0942	**3.6**	1.1		1027	**3.9**	1.2
SU	1610	**13.1**	4.0	MO	1650	**14.8**	4.5
DI	2215	**5.9**	1.8	LU	2326	**4.3**	1.3
13	0401	**12.5**	3.8	**28**	0524	**11.8**	3.6
	1016	**4.3**	1.3		1112	**5.6**	1.7
MO	1646	**13.1**	4.0	TU	1738	**14.1**	4.3
LU	2307	**5.9**	1.8	MA			
14	0452	**11.8**	3.6	**29**	0030	**4.6**	1.4
	1052	**5.2**	1.6		0635	**10.8**	3.3
TU	1727	**13.5**	4.1	WE	1205	**6.6**	2.0
MA				ME	1834	**13.8**	4.2
15	0004	**5.6**	1.7	**30**	0143	**4.9**	1.5
	0552	**10.8**	3.3		0805	**10.5**	3.2
WE	1136	**5.9**	1.8	TH	1313	**7.5**	2.3
ME	1815	**13.5**	4.1	JE	1940	**13.5**	4.1
				31	0258	**4.6**	1.4
					0935	**10.5**	3.2
				FR	1433	**7.9**	2.4
				VE	2047	**13.5**	4.1

August-août

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0403	**4.3**	1.3	**16**	0309	**3.6**	1.1
	1040	**11.2**	3.4		0947	**11.2**	3.4
SA	1543	**7.9**	2.4	SU	1451	**7.9**	2.4
SA	2147	**13.5**	4.1	DI	2104	**14.4**	4.4
2	0455	**3.6**	1.1	**17**	0414	**2.6**	0.8
	1127	**11.5**	3.5		1046	**12.1**	3.7
SU	1638	**7.5**	2.3	MO	1605	**6.9**	2.1
DI	2238	**14.1**	4.3	LU	2212	**15.4**	4.7
3	0537	**3.3**	1.0	**18**	0507	**1.6**	0.5
	1204	**12.1**	3.7		1133	**13.1**	4.0
MO	1722	**7.2**	2.2	TU	1705	**5.9**	1.8
LU	2321	**14.4**	4.4	MA	2310	**16.1**	4.9
4	0613	**2.6**	0.8	**19**	0554	**1.0**	0.3
	1236	**12.5**	3.8		1215	**14.1**	4.3
TU	1801	**6.6**	2.0	WE	1757	**4.6**	1.4
MA	2359	**14.4**	4.4	ME			
5	0644	**2.6**	0.8	**20**	0003	**16.4**	5.0
	1305	**13.1**	4.0		0637	**0.7**	0.2
WE	1837	**6.2**	1.9	TH	1254	**15.1**	4.6
ME				JE	1847	**3.6**	1.1
6	0035	**14.8**	4.5	**21**	0052	**16.4**	5.0
	0714	**2.3**	0.7		0717	**1.0**	0.3
TH	1333	**13.5**	4.1	FR	1332	**15.7**	4.8
JE	1912	**5.6**	1.7	VE	1935	**3.0**	0.9
7	0109	**14.8**	4.5	**22**	0139	**16.1**	4.9
	0742	**2.6**	0.8		0755	**1.6**	0.5
FR	1359	**13.5**	4.1	SA	1409	**16.1**	4.9
VE	1948	**5.2**	1.6	SA	2022	**2.6**	0.8
8	0144	**14.4**	4.4	**23**	0226	**15.1**	4.6
	0810	**3.0**	0.9		0833	**2.6**	0.8
SA	1427	**13.8**	4.2	SU	1446	**16.1**	4.9
SA	2024	**4.9**	1.5	DI	2109	**3.0**	0.9
9	0220	**14.1**	4.3	**24**	0313	**14.1**	4.3
	0837	**3.3**	1.0		0910	**3.9**	1.2
SU	1455	**14.1**	4.3	MO	1524	**15.4**	4.7
DI	2104	**4.9**	1.5	LU	2157	**3.3**	1.0
10	0258	**13.5**	4.1	**25**	0402	**12.8**	3.9
	0906	**3.9**	1.2		0949	**5.2**	1.6
MO	1525	**14.1**	4.3	TU	1604	**14.8**	4.5
LU	2146	**4.6**	1.4	MA	2248	**3.9**	1.2
11	0340	**12.8**	3.9	**26**	0457	**11.8**	3.6
	0937	**4.9**	1.5		1032	**6.6**	2.0
TU	1558	**14.1**	4.3	WE	1649	**14.1**	4.3
MA	2233	**4.6**	1.4	ME	2348	**4.6**	1.4
12	0428	**11.8**	3.6	**27**	0605	**10.8**	3.3
	1011	**5.6**	1.7		1125	**7.5**	2.3
WE	1637	**14.1**	4.3	TH	1746	**13.1**	4.0
ME	2327	**4.6**	1.4	JE			
13	0526	**11.2**	3.4	**28**	0101	**5.2**	1.6
	1054	**6.6**	2.0		0738	**10.5**	3.2
TH	1727	**13.8**	4.2	FR	1239	**8.2**	2.5
JE				VE	1859	**12.8**	3.9
14	0033	**4.6**	1.4	**29**	0224	**5.2**	1.6
	0645	**10.5**	3.2		0912	**10.8**	3.3
FR	1154	**7.5**	2.3	SA	1409	**8.5**	2.6
VE	1831	**13.8**	4.2	SA	2018	**12.8**	3.9
15	0151	**4.3**	1.3	**30**	0333	**4.9**	1.5
	0823	**10.5**	3.2		1015	**11.2**	3.4
SA	1319	**7.9**	2.4	SU	1525	**8.2**	2.5
SA	1948	**14.1**	4.3	DI	2124	**13.1**	4.0
				31	0426	**4.3**	1.3
					1057	**11.8**	3.6
				MO	1620	**7.5**	2.3
				LU	2217	**13.5**	4.1

September-septembre

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0507	**3.9**	1.2	**16**	0444	**2.3**	0.7
	1131	**12.5**	3.8		1105	**14.1**	4.3
TU	1703	**6.6**	2.0	WE	1657	**4.9**	1.5
MA	2301	**13.8**	4.2	ME	2302	**15.4**	4.7
2	0541	**3.3**	1.0	**17**	0529	**2.0**	0.6
	1200	**13.1**	4.0		1144	**15.1**	4.6
WE	1740	**5.9**	1.8	TH	1746	**3.6**	1.1
ME	2340	**14.4**	4.4	JE	2353	**15.7**	4.8
3	0612	**3.3**	1.0	**18**	0609	**2.3**	0.7
	1227	**13.5**	4.1		1221	**16.1**	4.9
TH	1815	**5.2**	1.6	FR	1831	**2.6**	0.8
JE				VE			
4	0016	**14.4**	4.4	**19**	0040	**15.7**	4.8
	0640	**3.3**	1.0		0648	**2.6**	0.8
FR	1253	**14.1**	4.3	SA	1257	**16.4**	5.0
VE	1849	**4.6**	1.4	SA	1916	**2.0**	0.6
5	0051	**14.4**	4.4	**20**	0125	**15.4**	4.7
	0708	**3.3**	1.0		0725	**3.3**	1.0
SA	1318	**14.4**	4.4	SU	1332	**16.4**	5.0
SA	1924	**3.9**	1.2	DI	1959	**2.0**	0.6
6	0126	**14.4**	4.4	**21**	0210	**14.8**	4.5
	0735	**3.6**	1.1		0802	**4.3**	1.3
SU	1345	**14.8**	4.5	MO	1407	**16.1**	4.9
DI	2000	**3.6**	1.1	LU	2042	**2.3**	0.7
7	0203	**14.1**	4.3	**22**	0254	**13.8**	4.2
	0803	**4.3**	1.3		0838	**5.2**	1.6
MO	1413	**15.1**	4.6	TU	1443	**15.4**	4.7
LU	2038	**3.6**	1.1	MA	2126	**3.0**	0.9
8	0242	**13.5**	4.1	**23**	0340	**12.8**	3.9
	0832	**4.9**	1.5		0917	**6.2**	1.9
TU	1444	**15.1**	4.6	WE	1521	**14.8**	4.5
MA	2119	**3.6**	1.1	ME	2213	**3.6**	1.1
9	0324	**12.8**	3.9	**24**	0432	**12.1**	3.7
	0905	**5.6**	1.7		0959	**7.2**	2.2
WE	1518	**14.8**	4.5	TH	1605	**13.8**	4.2
ME	2205	**3.6**	1.1	JE	2306	**4.6**	1.4
10	0413	**12.1**	3.7	**25**	0536	**11.2**	3.4
	0942	**6.6**	2.0		1053	**8.2**	2.5
TH	1600	**14.4**	4.4	FR	1659	**13.1**	4.0
JE	2300	**3.9**	1.2	VE			
11	0514	**11.2**	3.4	**26**	0012	**5.2**	1.6
	1031	**7.2**	2.2		0702	**10.8**	3.3
FR	1655	**14.1**	4.3	SA	1209	**8.5**	2.6
VE				SA	1813	**12.5**	3.8
12	0009	**4.3**	1.3	**27**	0132	**5.6**	1.7
	0637	**10.8**	3.3		0830	**11.2**	3.4
SA	1145	**8.2**	2.5	SU	1342	**8.5**	2.6
SA	1810	**13.8**	4.2	DI	1938	**12.1**	3.7
13	0132	**4.3**	1.3	**28**	0245	**5.6**	1.7
	0816	**11.2**	3.4		0931	**11.8**	3.6
SU	1325	**8.2**	2.5	MO	1500	**8.2**	2.5
DI	1939	**13.8**	4.2	LU	2051	**12.5**	3.8
14	0250	**3.9**	1.2	**29**	0340	**5.2**	1.6
	0930	**11.8**	3.6		1013	**12.5**	3.8
MO	1455	**7.5**	2.3	TU	1555	**7.2**	2.2
LU	2059	**14.1**	4.3	MA	2149	**12.8**	3.9
15	0353	**3.0**	0.9	**30**	0423	**4.6**	1.4
	1022	**13.1**	4.0		1046	**13.1**	4.0
TU	1603	**6.2**	1.9	WE	1638	**6.2**	1.9
MA	2206	**14.8**	4.5	ME	2236	**13.5**	4.1

October-octobre

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0459	**4.6**	1.4	**16**	0458	**3.9**	1.2
	1115	**13.8**	4.2		1110	**15.7**	4.8
TH	1715	**5.2**	1.6	FR	1732	**2.6**	0.8
JE	2317	**13.8**	4.2	VE	2344	**14.8**	4.5
2	0531	**4.3**	1.3	**17**	0540	**4.3**	1.3
	1142	**14.4**	4.4		1147	**16.4**	5.0
FR	1750	**4.3**	1.3	SA	1815	**2.0**	0.6
VE	2355	**14.1**	4.3	SA			
3	0601	**4.3**	1.3	**18**	0030	**14.8**	4.5
	1209	**14.8**	4.5		0619	**4.6**	1.4
SA	1824	**3.6**	1.1	SU	1223	**16.7**	5.1
SA				DI	1857	**1.6**	0.5
4	0032	**14.4**	4.4	**19**	0114	**14.8**	4.5
	0630	**4.6**	1.4		0658	**5.2**	1.6
SU	1236	**15.4**	4.7	MO	1258	**16.4**	5.0
DI	1859	**3.0**	0.9	LU	1938	**1.6**	0.5
5	0110	**14.4**	4.4	**20**	0157	**14.1**	4.3
	0700	**4.9**	1.5		0735	**5.9**	1.8
MO	1305	**15.7**	4.8	TU	1333	**16.1**	4.9
LU	1937	**2.3**	0.7	MA	2018	**2.0**	0.6
6	0148	**14.1**	4.3	**21**	0239	**13.8**	4.2
	0732	**5.2**	1.6		0812	**6.6**	2.0
TU	1336	**16.1**	4.9	WE	1409	**15.4**	4.7
MA	2016	**2.3**	0.7	ME	2059	**2.6**	0.8
7	0229	**13.8**	4.2	**22**	0323	**13.1**	4.0
	0806	**5.9**	1.8		0851	**7.2**	2.2
WE	1411	**15.7**	4.8	TH	1447	**14.8**	4.5
ME	2059	**2.6**	0.8	JE	2141	**3.6**	1.1
8	0315	**13.1**	4.0	**23**	0411	**12.5**	3.8
	0844	**6.6**	2.0		0935	**7.9**	2.4
TH	1451	**15.4**	4.7	FR	1528	**14.1**	4.3
JE	2147	**3.0**	0.9	VE	2228	**4.3**	1.3
9	0407	**12.5**	3.8	**24**	0506	**11.8**	3.6
	0931	**7.2**	2.2		1027	**8.5**	2.6
FR	1539	**14.8**	4.5	SA	1618	**13.1**	4.0
VE	2243	**3.6**	1.1	SA	2321	**5.2**	1.6
10	0512	**11.8**	3.6	**25**	0614	**11.5**	3.5
	1032	**7.9**	2.4		1137	**8.9**	2.7
SA	1642	**14.1**	4.3	SU	1723	**12.5**	3.8
SA	2351	**3.9**	1.2	DI			
11	0632	**11.8**	3.6	**26**	0025	**5.6**	1.7
	1157	**8.2**	2.5		0727	**11.8**	3.6
SU	1803	**13.5**	4.1	MO	1303	**8.5**	2.6
DI				LU	1843	**11.8**	3.6
12	0109	**4.3**	1.3	**27**	0134	**5.9**	1.8
	0755	**12.1**	3.7		0828	**12.1**	3.7
MO	1333	**7.9**	2.4	TU	1422	**7.9**	2.4
LU	1932	**13.5**	4.1	MA	2003	**11.8**	3.6
13	0222	**4.3**	1.3	**28**	0235	**5.9**	1.8
	0859	**13.1**	4.0		0914	**12.8**	3.9
TU	1453	**6.6**	2.0	WE	1520	**6.9**	2.1
MA	2051	**13.8**	4.2	ME	2111	**12.1**	3.7
14	0322	**3.9**	1.2	**29**	0325	**5.9**	1.8
	0949	**14.1**	4.3		0951	**13.5**	4.1
WE	1554	**5.2**	1.6	TH	1606	**5.9**	1.8
ME	2157	**14.1**	4.3	JE	2205	**12.5**	3.8
15	0413	**3.9**	1.2	**30**	0407	**5.6**	1.7
	1031	**15.1**	4.6		1023	**14.1**	4.3
TH	1646	**3.9**	1.2	FR	1645	**4.6**	1.4
JE	2253	**14.4**	4.4	VE	2252	**13.1**	4.0
				31	0444	**5.6**	1.7
					1054	**14.8**	4.5
				SA	1722	**3.6**	1.1
				SA	2334	**13.5**	4.1

November-novembre

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0519	**5.9**	1.8	**16**	0023	**14.1**	4.3
	1124	**15.7**	4.8		0556	**6.2**	1.9
SU	1759	**2.6**	0.8	MO	1155	**16.4**	5.0
DI				LU	1842	**2.0**	0.6
2	0015	**13.8**	4.2	**17**	0106	**14.1**	4.3
	0554	**5.9**	1.8		0636	**6.6**	2.0
MO	1157	**16.1**	4.9	TU	1232	**16.4**	5.0
LU	1837	**2.0**	0.6	MA	1922	**2.0**	0.6
3	0055	**14.1**	4.3	**18**	0147	**13.8**	4.2
	0630	**6.2**	1.9		0714	**6.9**	2.1
TU	1231	**16.4**	5.0	WE	1309	**16.1**	4.9
MA	1917	**1.6**	0.5	ME	1959	**2.3**	0.7
4	0137	**14.1**	4.3	**19**	0227	**13.8**	4.2
	0708	**6.2**	1.9		0752	**7.2**	2.2
WE	1309	**16.7**	5.1	TH	1345	**15.4**	4.7
ME	1959	**1.3**	0.4	JE	2037	**2.6**	0.8
5	0222	**13.8**	4.2	**20**	0306	**13.5**	4.1
	0750	**6.6**	2.0		0831	**7.5**	2.3
TH	1351	**16.4**	5.0	FR	1422	**14.8**	4.5
JE	2045	**1.6**	0.5	VE	2115	**3.3**	1.0
6	0310	**13.5**	4.1	**21**	0348	**13.1**	4.0
	0837	**6.9**	2.1		0914	**7.9**	2.4
FR	1437	**15.7**	4.8	SA	1501	**14.1**	4.3
VE	2135	**2.3**	0.7	SA	2154	**3.9**	1.2
7	0404	**13.1**	4.0	**22**	0432	**12.8**	3.9
	0932	**7.5**	2.3		1003	**8.2**	2.5
SA	1532	**15.1**	4.6	SU	1546	**13.5**	4.1
SA	2229	**3.0**	0.9	DI	2235	**4.6**	1.4
8	0504	**13.1**	4.0	**23**	0522	**12.5**	3.8
	1040	**7.5**	2.3		1102	**8.5**	2.6
SU	1637	**14.1**	4.3	MO	1639	**12.5**	3.8
DI	2330	**3.6**	1.1	LU	2322	**5.2**	1.6
9	0611	**13.1**	4.0	**24**	0616	**12.5**	3.8
	1201	**7.5**	2.3		1212	**8.2**	2.5
MO	1754	**13.5**	4.1	TU	1745	**11.8**	3.6
LU				MA			
10	0036	**4.3**	1.3	**25**	0016	**5.9**	1.8
	0718	**13.5**	4.1		0712	**12.8**	3.9
TU	1325	**6.9**	2.1	WE	1327	**7.5**	2.3
MA	1916	**12.8**	3.9	ME	1902	**11.5**	3.5
11	0142	**4.9**	1.5	**26**	0114	**6.6**	2.0
	0818	**14.1**	4.3		0802	**13.1**	4.0
WE	1439	**5.9**	1.8	TH	1432	**6.9**	2.1
ME	2036	**12.8**	3.9	JE	2019	**11.5**	3.5
12	0243	**5.2**	1.6	**27**	0212	**6.9**	2.1
	0909	**14.8**	4.5		0847	**13.8**	4.2
TH	1539	**4.6**	1.4	FR	1525	**5.6**	1.7
JE	2145	**13.1**	4.0	VE	2128	**11.8**	3.6
13	0338	**5.6**	1.7	**28**	0305	**6.9**	2.1
	0954	**15.4**	4.7		0927	**14.4**	4.4
FR	1631	**3.6**	1.1	SA	1611	**4.6**	1.4
VE	2245	**13.5**	4.1	SA	2225	**12.1**	3.7
14	0428	**5.9**	1.8	**29**	0354	**6.9**	2.1
	1036	**16.1**	4.9		1006	**15.1**	4.6
SA	1718	**2.6**	0.8	SU	1654	**3.3**	1.0
SA	2337	**13.8**	4.2	DI	2314	**12.8**	3.9
15	0514	**6.2**	1.9	**30**	0439	**6.9**	2.1
	1116	**16.4**	5.0		1045	**16.1**	4.9
SU	1801	**2.0**	0.6	MO	1736	**2.3**	0.7
DI				LU	2359	**13.5**	4.1

December-décembre

Day	Time	Feet	Metres	jour	heure	pieds	mètres
1	0523	**6.9**	2.1	**16**	0059	**13.5**	4.1
	1126	**16.7**	5.1		0620	**7.5**	2.3
TU	1819	**1.6**	0.5	WE	1216	**16.1**	4.9
MA				ME	1909	**2.3**	0.7
2	0044	**13.8**	4.2	**17**	0136	**13.8**	4.2
	0607	**6.9**	2.1		0659	**7.2**	2.2
WE	1208	**17.1**	5.2	TH	1253	**15.7**	4.8
ME	1903	**1.0**	0.3	JE	1945	**2.3**	0.7
3	0129	**14.1**	4.3	**18**	0212	**13.8**	4.2
	0653	**6.9**	2.1		0736	**7.2**	2.2
TH	1254	**17.1**	5.2	FR	1328	**15.7**	4.8
JE	1948	**1.0**	0.3	VE	2018	**2.6**	0.8
4	0214	**14.4**	4.4	**19**	0246	**13.8**	4.2
	0741	**6.6**	2.0		0813	**7.5**	2.3
FR	1342	**17.1**	5.2	SA	1404	**15.1**	4.6
VE	2034	**1.0**	0.3	SA	2050	**3.0**	0.9
5	0302	**14.4**	4.4	**20**	0320	**13.5**	4.1
	0834	**6.6**	2.0		0853	**7.5**	2.3
SA	1433	**16.4**	5.0	SU	1441	**14.4**	4.4
SA	2122	**1.6**	0.5	DI	2122	**3.6**	1.1
6	0351	**14.4**	4.4	**21**	0355	**13.5**	4.1
	0932	**6.6**	2.0		0937	**7.5**	2.3
SU	1527	**15.4**	4.7	MO	1520	**13.8**	4.2
DI	2210	**2.3**	0.7	LU	2155	**4.3**	1.3
7	0443	**14.4**	4.4	**22**	0431	**13.5**	4.1
	1036	**6.6**	2.0		1026	**7.5**	2.3
MO	1628	**14.4**	4.4	TU	1605	**12.8**	3.9
LU	2302	**3.3**	1.0	MA	2231	**4.9**	1.5
8	0537	**14.4**	4.4	**23**	0511	**13.5**	4.1
	1147	**6.6**	2.0		1122	**7.5**	2.3
TU	1736	**13.1**	4.0	WE	1657	**12.1**	3.7
MA	2356	**4.6**	1.4	ME	2310	**5.9**	1.8
9	0634	**14.8**	4.5	**24**	0556	**13.5**	4.1
	1301	**5.9**	1.8		1225	**7.2**	2.2
WE	1852	**12.5**	3.8	TH	1802	**11.5**	3.5
ME				JE	2357	**6.6**	2.0
10	0056	**5.6**	1.7	**25**	0645	**13.8**	4.2
	0731	**14.8**	4.5		1333	**6.6**	2.0
TH	1414	**5.2**	1.6	FR	1920	**10.8**	3.3
JE	2015	**12.1**	3.7	VE			
11	0159	**6.6**	2.0	**26**	0053	**7.2**	2.2
	0827	**15.1**	4.6		0738	**14.1**	4.3
FR	1520	**4.6**	1.4	SA	1438	**5.6**	1.7
VE	2134	**12.1**	3.7	SA	2044	**11.2**	3.4
12	0302	**6.9**	2.1	**27**	0158	**7.9**	2.4
	0920	**15.4**	4.7		0830	**14.4**	4.4
SA	1617	**3.6**	1.1	SU	1536	**4.6**	1.4
SA	2240	**12.5**	3.8	DI	2158	**11.5**	3.5
13	0401	**7.2**	2.2	**28**	0304	**7.9**	2.4
	1009	**15.7**	4.8		0923	**15.1**	4.6
SU	1707	**3.0**	0.9	MO	1629	**3.6**	1.1
DI	2334	**13.1**	4.0	LU	2257	**12.1**	3.7
14	0453	**7.5**	2.3	**29**	0405	**7.9**	2.4
	1054	**15.7**	4.8		1014	**16.1**	4.9
MO	1751	**2.6**	0.8	TU	1718	**2.3**	0.7
LU				MA	2347	**13.1**	4.0
15	0019	**13.5**	4.1	**30**	0501	**7.5**	2.3
	0539	**7.5**	2.3		1105	**16.7**	5.1
TU	1136	**16.1**	4.9	WE	1805	**1.3**	0.4
MA	1832	**2.3**	0.7	ME			
				31	0033	**13.8**	4.2
					0553	**6.9**	2.1
				TH	1156	**17.4**	5.3
				JE	1851	**0.7**	0.2

2009-2010 Consultation Plan

The Central Coast Salmon *2009 Post Season Review - 2010 Planning Framework* document will be distributed to First Nation and commercial fishing representatives at the Central Coast Advisory Board Meeting on December 2, 2009. It will also be distributed to local Bella Bella and Bella Coola commercial fishing representatives at post season meetings on November 26th & November 27th 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 2, 2009. The *2009 Post Season Review and 2010 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 though the Area C Gillnet and Area A Seine Area Harvest Committees.

<u>Commercial Fishery</u>

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 2009. A post season meeting with local net fishermen from Bella Bella will be held on November 26, 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 27, 2008 at the Bella Coola Valley Inn.

The North Coast Salmon Post Season Review meeting will be held on December 4th in Prince Rupert. The AHC meeting for Area C Gillnet and Area A Seine are being held on December 7th 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 2, 2009. The Aboriginal Fisheries Strategy Joint Technical Committee meetings are planned for February 2010. 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 *2009 Post Season Review - 2010 Planning Framework* document.

Sport Fishery

The Bella Coola sub-committee of the Sport Fish Advisory Board will meet in Bella Coola on November 26, 2008 to discuss the *2009 Post Season Review - 2010 Planning Framework* document. This group may meet again in April or May 2010 to respond to the comments and concerns that were brought forward regarding the *2009 Post Season Review - 2010 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 1, 2009 to discuss the *2009 Post Season Review - 2010 Planning Framework* document. This group will meet again in April or May 2010 to respond to the comments and concerns that were brought forward regarding the *2009 Post Season Review - 2010 Planning Framework* and to up-date fishermen on recent DFO initiatives.

The *2009 Post Season Review - 2010 Planning Framework* document will be made available at the North Coast Sport Fish Advisory Board on December 5 & 6, 2009 in Prince Rupert to provide information on Central Coast sport fishing activities.

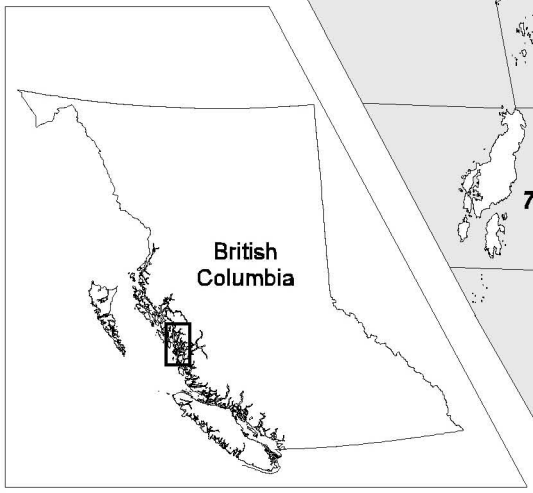
Fisheries and Oceans Canada | Pêches et Océans Canada

Canada

Area 7: Salmon Spawning Streams

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

5 0 5 10 15 Kms



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 Ellerslie 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

2009 POST SEASON SUMMARY AND ASSESSMENT
AREA 7 - BELLA BELLA SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
Expected Return	N/A	N/A	182,000	166,000	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	Yes	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

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
Commercial							
Field Catches							
Seine	0	0	3,000	92	0	0	0
Gillnet	14	0	203	1,710	0	0	0
Total Net	14	0	3,203	1,802	0	0	0
Troll	0	0	0	0	0	0	0
Sport Catches							
Tidal	0	7,020	18	51	1,727	0	0
Non-Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Total	0	7,020	18	51	1,727	0	0
FSC Catches							
Tidal	2,253	716	1,692	1,995	73	0	10
Non-Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Total	2,253	716	1,692	1,995	73	0	10

3. Escapement

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
2009*	5,610	A/P	540,672	93,420	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:

	Date of First Fishery	Date of Last Fishery	Date of CFB	Total Days Fishing	Total Accum Effort
Seine	04-Aug	04-Aug	01-Oct	1	1
Gillnet	04-Aug	04-Aug	01-Oct	1	18
Troll	Not open this year.			0	0

Commercial field net catches from in season catch database.

* Recorded escapements only. N/A - not available. A/P - Inspected and species present, but no estimate of escapement available.

5. Commercial Net Fishery Summary:

The preseason forecast for pink and chum was for no harvestable surplus with the exception of chum returns to the Mussel and Kainet Rivers. In season, pinks returned much better than forecasted. Early chum stocks such as the Mussel and Kainet returned below forecast; however, later timed stocks returned better than forecast. The only fishery of the year was on August 4th to assess Mussel and Kainet returns. Catches in the fishery were moderate with 18 gillnets catching 1,710 chum and 203 pink and one seine catching 3,000 pink and 92 chum. Chum migration into fresh water was later than normal in most systems. In general, chum escapements fell short of escapement goals with some exceptions (i.e. Neekas River, McLoughlin Creek and Kitasu Creek).

6. Commercial Troll Fishery Summary:

Area 7 and 107 did not open this year.

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 2009 are summarized as follows:

- West Coast Resorts – Floating resort located in Louisa Cove; SW corner of St. Johns Harbour
- The Parry – 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
- Always An Adventure – Marine vessel based out of Bella Coola
- Edgewater Fortune - Converted naval vessel / Travelling lodge

This list has been reduced by 2 charter operators and 2 lodges dropping the Area 7 overall recreational effort for 2009 to 4,646 angler days. This is similar to recreation effort reported in the mid 1990s but is well below the 10 year average of 8,223 angler days.

A total of 1,727 chinook and 7,020 coho were caught this season. This is compared to 1,906 chinook and 6,434 coho in 2008. The chinook catch per unit effort is up from last year but below the 10 year average. Coho catch per unit effort improved greatly this season coming in at 1.51. This is much improved over last year's 0.78 and is well above the 2002-2008 average of 0.93. 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/Xai'Xais Nations for the 2009 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.

Both the Heiltsuk and Kitasoo used a new FSC catch database in 2009 along with FSC catch calendars. This is the first year that the FSC catch calendars were used by food fishers. The goal is to more accurately record all FSC catches and fishing effort.

Overall, the FSC sockeye harvest was low in 2009. The primary areas fished by the Heiltsuk for sockeye this season were Spiller Channel, Return Channel and Queens Sound. Preliminary information suggests the primary salmon areas fished by the Kitasoo/Xai'Xais were Talmoosa Creek, Kitasu Bay, Mary Cove Creek, and Kitasu Creek.

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

9. Escapement Summary:

Sockeye

Sockeye escapement estimates for this year are Mary Cove Creek 450, Kwakusdis River 2,000 and Tankeeah River 3,100. These estimates are considered to be conservative because they are based on a limited number of inspections for each system which included the main spawning areas but not necessarily all of the

spawning area. Tankeeah had a greater number of inspections but the estimate remained conservative because of the analysis done. In addition to the escapement estimate, the Heiltsuk Fisheries Program collected 48 female and 50 male Tankeeah sockeye for hatchery brood stock. Although information was inadequate to make an estimate it is know that escapements to Kakushdish and Kainet systems where greater than 500 and 1,000 respectively.

Pink

Pink escapements were good. Individual stream escapements were a mixture of above and below target levels. The Area 7 total exceeded the target escapement goal with an estimate of over a half million.

Chum

Chum returns to most Area 7 streams were modest. Only one commercial chum fishery took place in 2009 for a catch of 1,800. Better returns were experienced at both the McLoughlin Bay and Kitasoo hatcheries with stream escapements of 9,100 and 9,800 respectively. Both the McLoughlin Bay and Klemtu Hatcheries met their egg targets with egg takes in excess of 2.5 and 1.3 million respectively. Neekas Creek had good returns although pre-spawn mortalities left the estimate of successful spawning at 17,000.

Coho

Indications are that coho returns to Area 7 streams were good, although to-date assessment information is limited. Further assessment attempts will be made as weather has hampered inspections so far this year. The available escapement information at this time is: Quartcha 550, Roscoe 1,300, and McLoughlin Bay Creek 679; however, a high water event during Oct 27th through to Nov 1st the McLoughlin fence was breached and a considerable number of coho passed by. In addition, at Mcloughlin approximately 100 fish were taken for hatchery brood stock and another estimated 500 coho for food fish. Throughout Area 7 fishing for coho was good for most of the year.

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

10. Current Year/Target Escapement Comparison – Key Steams
(All estimates preliminary)

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Mussel (Bear)	50,000	92,000
Kainet	75,000	57,000
Carter	10,000	44,000
James Bay	15,000	23,000
Nameless	20,000	A/P
Salmon Bay	20,000	40,000
Neekas	35,000	88,000
Kwakusdis	20,000	12,000
Kunsoot	10,000	A/P
Quartcha	8,000	6,000
Clatse	30,000	22,000
Cooper Inlet	20,000	14,000

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Mussel (Bear)	40,000	8,400
Kainet	50,000	7,500
Nameless	5,000	A/P
Salmon Bay	10,000	2,300
Neekas	30,000	17,000
Kwakusdis	20,000	1,500
Kunsoot	8,500	A/P
Roscoe	50,000	10,000
Quartcha	5,000	1,800
Clatse	10,000	1,800
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 2009
Appendix II - Area 7 Sport Fishery Catch Summary for 2009
Appendix III - Area 7 First Nation Food, Social and Ceremonial (FSC) Fishery Catch Summary for 2009
Appendix IV - Area 7 Escapement Summary for 2009

AREA 7 GN TOTAL CATCH 22-Nov-09

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32	081	04-Aug-09	18	14	0	203	1710	0	0	0
		TFW	18	14	0	203	1710	0	0	0
		TTD	18	14	0	203	1710	0	0	0

AREA 7 Finlayson Channel GN 'ATCH 22-Nov-09

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32	081	04-Aug-09	2	1	0	14	155	0	0	0
		TFW	2	1	0	14	155	0	0	0
		TTD	2	1	0	14	155	0	0	0

AREA 7 Mathieson Channel GN 'ATCH 22-Nov-09

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32	081	04-Aug-09	4	1	0	70	300	0	0	0
		TFW	4	1	0	70	300	0	0	0
		TTD	4	1	0	70	300	0	0	0

AREA 7 Sheep Passage GN 'ATCH 22-Nov-09

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32	081	04-Aug-09	12	12	0	119	1255	0	0	0
		TFW	12	12	0	119	1255	0	0	0
		TTD	12	12	0	119	1255	0	0	0

AREA 7 SN TOTAL CATCH 22-Nov-09

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32	081	04-Aug-09	1	0	0	3000	92	0	0	0
		TFW	1	0	0	3000	92	0	0	0
		TTD	1	0	0	3000	92	0	0	0

AREA 7 Finlayson Channel SN CATCH 22-Nov-09

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32	081	04-Aug-09	1	0	0	3000	92	0	0	0
		TFW	1	0	0	3000	92	0	0	0
		TTD	1	0	0	3000	92	0	0	0

AREA 7 TOTAL NET CATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32 081	04-Aug-09	19	14	0	3203	1802	0	0	0
	TFW	19	14	0	3203	1802	0	0	0
	TTD	19	14	0	3203	1802	0	0	0

AREA 7 Finlayson Channel TOTAL NET CATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32 081	04-Aug-09	3	1	0	3014	247	0	0	0
	TFW	3	1	0	3014	247	0	0	0
	TTD	3	1	0	3014	247	0	0	0

AREA 7 Mathieson Channel TOTAL NET CATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32 081	04-Aug-09	4	1	0	70	300	0	0	0
	TFW	4	1	0	70	300	0	0	0
	TTD	4	1	0	70	300	0	0	0

AREA 7 Sheep Passage TOTAL NET CATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
32 081	04-Aug-09	12	12	0	119	1255	0	0	0
	TFW	12	12	0	119	1255	0	0	0
	TTD	12	12	0	119	1255	0	0	0

Appendix II - 2009 Area 7 Sport Lodge Weekly Catch

Wk #	Wk Ending	Anglers	RETAINED Sk	Co	Pk	Cm	Ck	Hal	Lng	Rk	RELEASED Ad Co	Ck (L)	(Sub)
19	09-May	**20**	0	**0**	0	0	**0**	0	26	50	0	0	0
20	16-May	**17**	0	**0**	0	0	**0**	0	9	25	0	0	0
21	23-May	**34**	0	**0**	0	0	**0**	2	36	55	0	0	0
22	30-May	**30**	0	**0**	0	0	**1**	5	29	45	0	0	0
23	06-Jun	**32**	0	**0**	0	0	**0**	11	28	48	0	0	0
24	13-Jun	**36**	0	**0**	0	0	**2**	6	32	55	0	0	0
25	20-Jun	**36**	0	**0**	0	0	**0**	8	38	77	0	0	0
26	27-Jun	**24**	0	**0**	0	0	**1**	5	9	12	0	0	0
27	04-Jul	**0**	0	**0**	0	0	**0**	0	0	0	0	0	0
28	11-Jul	**34**	0	**46**	0	0	**24**	0	1	2	0	0	0
29	18-Jul	**92**	0	**141**	0	0	**36**	6	4	14	0	3	40
30	25-Jul	**294**	0	**528**	1	2	**92**	74	108	85	46	0	0
31	01-Aug	**538**	0	**724**	4	1	**250**	87	133	131	76	4	0
32	08-Aug	**826**	0	**996**	0	10	**460**	114	226	274	124	15	0
33	15-Aug	**825**	0	**1,250**	0	9	**426**	112	122	198	120	0	0
34	22-Aug	**800**	0	**1,297**	6	6	**244**	114	169	245	106	0	0
35	29-Aug	**743**	0	**1,552**	3	13	**177**	158	124	136	51	3	0
36	05-Sep	**206**	0	**430**	2	9	**13**	33	45	65	33	0	0
37	12-Sep	**69**	0	**56**	2	1	**1**	12	32	59	0	0	0
Season Total		**4,656**	**0**	**7,020**	**18**	**51**	**1,727**	**747**	**1,171**	**1,576**	**556**	**25**	**40**

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

Lodges/Resorts/Charter Vessels operating in Area 7 this season include:

West Coast Resorts, Shearwater & MV Pacific Lure, MV Parry, Big Time Fishing, Central Coast Adventures Always An Adventure and the Edgewater Fortune*

*Catch Information not received

Appendix III - 2009 Preliminary Kitasoo/Xai'Xais - FSC Weekly Catches

Area 7

Week	Week Ending	Effort*	Sockeye	Coho	Pink	Chum	Chinook	Sthd. Kept
22	30-May	1	1	0	0	0	0	0
23	06-Jun							
24	13-Jun							
25	20-Jun	2	169	0	0	0	0	0
26	27-Jun	5	390	0	15	41	0	8
27	04-Jul							
28	11-Jul							
29	18-Jul							
30	25-Jul							
31	01-Aug	3	72	2	0	0	0	0
32	08-Aug							
33	15-Aug							
34	22-Aug							
35	29-Aug							
36	05-Sep							
37	12-Sep							
38	19-Sep	2	0	0	0	22	0	0
39	26-Sep	5	0	0	0	104	0	0
40	03-Oct	3	0	0	0	37	0	0
41	10-Oct	2	0	0	0	32	0	0
42	17-Oct	4	0	0	0	44	0	0
43	24-Oct							
44	31-Oct	1	0	0	0	12	0	0
	TOTAL	**28**	**632**	**2**	**15**	**292**	**0**	**8**

* Weeks 22 to 31 are the number of individuals fishing while
Weeks 38 to 44 are the number of days fish were captured at the hatchery and taken as FSC.

Area 6

Week	Week Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Sthd. Kept
22	30-May	1	0	0	0	0	0	3
23	06-Jun							
24	13-Jun							
25	20-Jun	2	98	0	2	3	0	1
26	27-Jun	2	122	0	2	1	0	0
27	04-Jul							
28	11-Jul	2	361	6	25	64	0	0
29	18-Jul							
30	25-Jul							
31	01-Aug	2	0	48	0	0	0	0
32	08-Aug							
33	15-Aug							
34	22-Aug							
35	29-Aug							
36	05-Sep							
	TOTAL	**9**	**581**	**54**	**29**	**68**	**0**	**4**

Appendix III -- 2009 Preliminary Heiltsuk - FSC Weekly Catches in Area 7

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
18	02-May	2		14	24	40	10	
19	09-May							
20	16-May	2					1	
21	23-May	1					1	
22	30-May	1	1					
23	06-Jun							
24	13-Jun	7	84	6	1	6	2	
25	20-Jun	13	106	2		4	11	
26	27-Jun	7	65			81		
27	04-Jul	7	67	3		4	3	
28	11-Jul	9	244	2	119	207	14	
29	18-Jul	13	224	114	500	150	19	
30	25-Jul	11	157	6	299	121	5	2
31	01-Aug	1	70					
32	08-Aug	3	158	9	101	300	1	
33	15-Aug	15	324	82	601	353	3	
34	22-Aug	14	112	106	21	4	3	
35	29-Aug	8	9	228				
36	05-Sep	7		73	6	5		
37	12-Sep	8		40	4	195		
38	19-Sep	3		17		18		
39	26-Sep	4		7	1	45		
40	03-Oct	2		5		90		
41	10-Oct	1				80		
	TOTAL	**139**	**1,621**	**714**	**1,677**	**1,703**	**73**	**2**

Appendix IV
Area 7 2009 Preliminary Escapements

FINLAYSON - MUSSEL CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
BOLIN BAY CREEK (GREEN BAY CR.)	N/O	N/I	4,468	85	N/P
CARTER RIVER	A/P	N/I	43,500	80	N/O
DUTHIE CREEK	N/O	A/P	21,500	2,500	N/P
GORILLA CREEK	N/O	N/I	1,400	1,800	N/P
KITASOO CREEK	N/O	A/P	1,463	9,818	N/P
KLEMTU CREEK	N/P	N/I	A/P	A/P	N/P
KORICH CREEK	N/P	N/I	21,500	80	N/P
LAGOON CREEK	A/P	A/P	1,300	150	N/P
MARY COVE CREEK	450	A/P	A/P	A/P	N/P
MUSSEL RIVER (BEAR R.)	40	A/P	91,600	8,400	N/O
POISON COVE CREEK	N/I	N/I	A/P	A/P	N/P
WINDY BAY CREEK	A/P	A/P	A/P	A/P	N/P
Total	**490**	**0**	**186,731**	**22,913**	**N/O**

GUNBOAT - SEAFORTH - RETURN	Sockeye	Coho	Pink	Chum	Chinook
BULLOCK CHANNEL CREEKS (4)	N/I	A/P	5,927	3,600	N/P
DEER PASS LAGOON CREEKS (2)	A/P	N/I	A/P	A/P	N/P
FELL CREEK	N/P	N/P	410	143	N/P
GOAT BUSHU CREEK	N/O	N/I	1,800	150	N/P
KAKUSHDISH CREEK (KADJUSDIS CR.)	A/P	A/P	4,000	1,700	N/P
KUNSOOT RIVER	N/I	N/I	A/P	A/P	N/P
KWAKUSDIS RIVER	2,000	A/P	12,000	1,500	N/P
SALLY CREEK	N/I	N/I	2,300	350	N/P
SCRIBNER CREEK	A/P	A/P	8,400	300	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	1,200	300	N/P
WEBSTER LAKE CREEK (DEER PASS CREEK)	N/I	A/P	2,300	2,150	N/P
Total	**2,000**	**A/P**	**38,337**	**10,193**	**N/P**

KYNOCK	Sockeye	Coho	Pink	Chum	Chinook
BIG CREEK	N/P	N/I	30000	6	N/P
FALLIS CREEK (DEBRISAY BAY CR.)	N/O	A/P	6,900	600	N/P
KAINET CREEK	A/P	A/P	57,000	7,500	N/O
LARD CREEK	N/O	A/P	1,200	2,000	N/P
Total	**A/P**	**A/P**	**95,100**	**10,106**	**N/O**

MATHIESON CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
CANYON CREEK	N/O	N/I	3,300	650	N/P
HIRD POINT CREEK	N/O	A/P	8,350	750	N/P
JAMES BAY CREEK	A/P	A/P	23,000	500	N/P
NAMELESS CREEK	N/I	A/P	A/P	A/P	N/P
RESCUE BAY	N/I	N/I	220	100	N/P
SALMON BAY CREEK	N/P	A/P	40,000	2,300	N/P
WINDFALL CREEK	N/P	N/I	A/P	A/P	N/P
Total	**A/P**	**A/P**	**74,870**	**4,300**	**N/P**

ROSCOE INLET	Sockeye	Coho	Pink	Chum	Chinook
CLATSE CREEK	A/P	A/P	21,500	1,800	N/P
LEE CREEK	N/I	N/I	800	1,200	N/P
QUARTCHA CREEK	A/P	A/P	6,000	1,800	N/P
RAINBOW CREEK	N/P	N/I	30	180	N/P
ROSCOE CREEK	A/P	A/P	1,020	10,260	N/P
Total	**A/P**	**A/P**	**29,350**	**15,240**	**N/P**

Area 7 2009 Preliminary Escapements

SOUTHERN GROUP - HUNTER ISLAND	Sockeye	Coho	Pink	Chum	Chinook
COOPER INLET CREEKS (5)	A/P	A/P	1,230	1,264	N/P
FANNIE COVE LEFT HAND CREEK	N/O	A/P	12,800	1,820	N/P
MCLAUGHLIN BAY CREEK	A/P	A/P	A/P	9,100	N/P
KWAKIUTL CREEK	N/P	N/II	1,400	120	N/P
Total	**A/P**	**A/P**	**15,430**	**12,304**	**N/P**

SPILLER	Sockeye	Coho	Pink	Chum	Chinook
CHEENIS LAKE CREEK	N/P	N/I	7,500	550	N/P
ELLERSLIE LAGOON CREEK	A/P	N/I	1,950	460	N/P
NEEKAS CREEK	A/P	A/P	88,454	16,554	N/P
SPILLER LAGOON CREEK	N/P	N/I	A/P	A/P	N/P
TANKEEAH RIVER (TINKEY R.)	3,120	N/I	2,950	800	N/P
Total	**3,120**	**A/P**	**100,854**	**18,364**	**N/P**

Total Area 7	**5,610**	**A/P**	**540,672**	**93,420**	**N/O**

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	365,850	457,223
2004	139,742	240,580	380,322
2006	6,050	38,680	44,730
2008	0	60,848	60,848

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	257,625	265,136
2009	3,203	540,672	543,875

*1960 to 2000 Catches From B.C. Catch Statistics.
**2001 to 2009 Final Hails.
***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	169,820	203,207
2001	160,068	233,902	393,970
2002	237,348	218,680	456,028
2003	333,449	292,100	625,549
2004	416,283	299,366	715,649
2005	68,962	199,322	268,284
2006	27,479	156,208	183,687
2007	6,836	65,630	72,466
2008	0	64,552	64,552
2009	1,802	93,420	95,222

*1960 to 2000 Catches From B.C. Catch Statistics.
**2001 to 2009 Final Hails.
***Net Catch Only.

2010 SALMON PROSPECTS FOR THE SEASON – AREA 7

Pre-season forecasts and comparative 2009 forecasts.

			2010 Forecast			2009 Forecast	
		Escapement		Median		Median	
Species	Stock	Target	10%	50%	90%	50%	Model
Pink	all	440,720	N/A	51,500	N/A	182,000	2009/10 - 5 yr avg rr
			N/A	89,300	N/A		2010 – brood year rr
Chum	all	311,950	N/A	129,000	N/A	166,000	2009/10 - 5 yr avg rr
			N/A	62,000	N/A		2010 - 3 yr avg rr*
			N/A	240,000	N/A		2010 – 2 yr avg rr**

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

*Average of lowest 3 years of return rates in past 5 years

** Average of highest 2 years of return rates in past 5 years

Pink: With recent fluctuations in marine survival there continues to be uncertainty in future forecasts. There were extremely poor returns to Area 7 systems in 2008 (2010 brood year). Forecasts for 2010 were made using two different models – the "5 year average return rate model" (recent method of forecasting) and the "Brood year return rate model." Neither of the models forecast any harvestable surpluses for the 2010 return year.

Chum: Area 7 chum returns are forecast to continue to be well below target escapement levels. As with the Pink forecasts, fluctuations in early marine conditions add to the difficulty in attaining reliable forecasts. In addition to this factor, reliability in forecasts is also compromised by the difficulty in enumerating a few of the major area 7 systems in the main years contributing to the 2010 return (2006-2007).

Three different models are provided to show the ranges of forecasting chum returns for 2010. The "5 year average return rate model" (recent method of forecasting) provides forecast of 129,000 (50%) while the "3 year average return rate model" forecasts a return of only 62,000 (50%). Neither of these models indicate any major surpluses in wild stocks for 2010. A forecast made using an average of the two highest return rates in the past 5 years does indicate there would be some surpluses available to the Kainet and possibly Neekas Rivers if return rates returned to the levels seen in 2002-2005. Small hatchery contribution surpluses are expected for McLoughlin and Kitasoo regardless of model.

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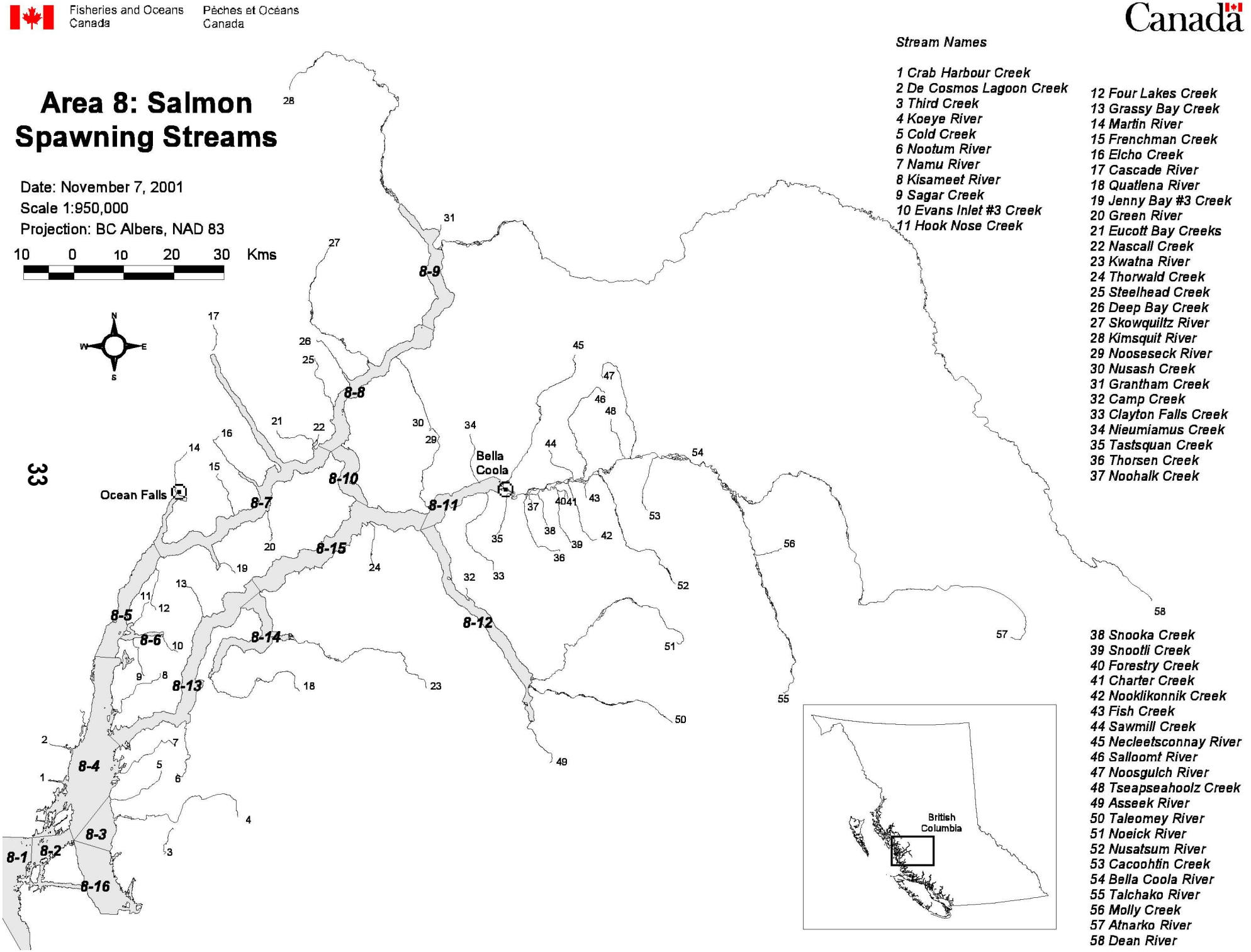
Area 8: Salmon Spawning Streams

Date: November 7, 2001
Scale 1:950,000
Projection: BC Albers, NAD 83

10 0 10 20 30 Kms



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 Quatlena 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 Cacoohtin Creek
54 Bella Coola River
55 Talchako River
56 Molly Creek
57 Atnarko River
58 Dean River

2009 POST SEASON SUMMARY AND ASSESSMENT
AREA 8 - BELLA COOLA SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	Atnarko Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
Expected Return	4,500	N/A	800,000	300/450K	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.

2. Postseason Catch

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
Commercial							
Field Catches							
Seine	0	0	125,607	7,188	0	0	0
Gillnet	1,071	0	1,253	35,187	4,096	0	0
Total Net	1,071	0	126,860	42,375	4,096	0	0
Troll	0	0	0	0	0	0	0
Sport Catches							
Tidal	0	5,140	786	53	509	UNK	UNK
Non-Tidal	0	UNK	UNK	UNK	550	UNK	0
Total	0	5,140	N/A	N/A	1,059	0	UNK
FSC Catches							
Tidal	1,052	48	188	155	112	UNK	5
Non-Tidal	144	1,735	132	632	3,763	UNK	4
Total	1,196	1,783	320	787	3,875	0	9

3. Escapement

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
2009*	5,200	21,900	1,195,600	65,150	12,000	N/A	A/P
Target	138,750	N/A	1,475,400	267,450	42,600	N/A	N/A

4. Commercial Fishery Stats:

	Date of First Fishery	Date of Last Fishery	Date of CFB	Total Days Fishing	Total Accum Effort
Seine	13-Jul	04-Aug	27-Aug	4	31
Gillnet	01-Jun	04-Aug	27-Aug	12	694
Troll	Not open this year.			0	0

Commercial field net catches from in season catch database.
* Recorded escapements only. N/A - not available. A/P - Inspected and species present, but no estimate of escapement available.

5. Commercial Net Fishery Summary:

Commercial gillnet fishing in Area 8 started in the Bella Coola Gillnet Area on June 1st and continued for 12 days, ending August 4th. Chinook catches were moderate. Chum fishing was slow and escapements poor leading to the early closure.

Seines fished for a total of 4 days from July 13th to August 4th. Pink catches were moderate and chum catches poor.

Total gillnet catch was approximately 35,000 chum and 4,100 chinook (3,700 from the Bella Coola Gillnet Area). The seine catch was approximately 126,000 pink and 7,200 chum.

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

6. Commercial Troll Fishery Summary:

Area 8 and 108 did not open this year.

7. Sport Fishery Summary:

Non-tidal

In 2009 the following river fisheries took place:

River	Season	Target Species
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

Chinook sport fishing effort for the year was just over 1,000 rod days for a catch of approximately 550 adults. The lower river was more colored than usual and in the Atnarko, water levels were higher than normal. Both these factors negatively affected success. The Atnarko River chinook sport fishery remained open until July 22nd.

Sport fishermen were allowed to keep 2 pink salmon and 1 chum salmon per day on the Bella Coola and Atnarko Rivers. Pink abundance was higher than in the past several years, improving success. Chum abundance was low resulting in moderate fishing success.

The retention for coho remained at 2/day over 50cm. The fishery got off to a slow start because of higher silt levels; however, a greater abundance of fish than seen in recent years resulted in a good fishery as waters cleared later in the year.

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. Many of lodges and the charter vessel operating in 2009 had a shortened season or fewer guests. Overall, the effort (4,628 angler days) was down approximately 1,500 angler days from the 10 year average.

Chinook catch in the Hakai Pass area was up slightly from last year with the catch per unit effort similar to 2007 (0.12). A total of 509 chinook were caught in 4,628 angler days this season and 454 chinook were caught in 5,493 angler days in 2008. The 2009 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 improved greatly in 2009. A total of 5,140 coho were caught this season by sport lodges mainly in the Hakai Pass fishing area. This is similar to the 2003-2005 coho catch and catch per unit effort. 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

Both the Nuxalk and Heiltsuk used a new FSC catch database in 2009 along with FSC catch calendars. This is the first year that the FSC catch calendars were used by food fishers. The goal is to more accurately record all FSC catches and fishing effort.

See Appendix III for a preliminary 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 2009 estimate is 3,500. Surveys included one aerial survey on Sept 14th and a stream inspection on Sept 29th. The Nuxalk Fisheries Program collected eggs from the Atnarko system again this season. A total of 63,000 eggs were taken below Stillwater and approximately 32,500 from above Lonesome Lake.

The stream at the head of Koeye Lake was inspected once for an estimate of 1,500 sockeye in-stream with spawning well under way at the time of the inspection. The stream that flows into Koeye Lake at about its mid point from the south was not inspected. The estimate for the year is 1,700 and should be considered a minimum estimate given the described circumstances.

Coho

A preliminary escapement of 19,000 coho to the Bella Coola watershed indicates good returns for 2009. Based on 24 hour expansion methods, 15,000 adults migrated past the Atnarko Tower from August 14th to October 1st. The total is conservative as counts were discontinued on October 1st and coho were observed below the tower site well after the enumeration period. This situation is not unusually as weather conditions and water levels often dictate the later fall movement of coho in the Atnarko.

The lower tributaries of the Bella Coola are currently being enumerated by charter patrol. A preliminary estimate of 4,000 coho indicates good returns to the Bella Coola system in 2009.

Aerial surveys of the Cascade (400) and Elcho (1,100) have been conducted and good returns were observed on these systems. Charter patrol work is ongoing on other area 8 streams.

To-date, weather and river conditions have not been conducive to the standard aerial surveys of the Talchako River and Bella Coola mainstem.

Pink

Pink escapements to the Bella Coola River were well above average with an estimated 746,500 pinks returning to the system. The Atnarko Counting Tower was again utilized in determining pink estimates this year and the methodology was consistent with last year. An expanded estimate of 729,500 pinks returned to the Atnarko River in 2009.

The lower tributaries of the Bella Coola also had good returns of pink salmon. An estimated 17,000 spawners were observed in the lower Bella Coola tributaries. This is a welcome sight as pink spawners have been all but absent here in recent years.

Pink escapements for other than the Bella Coola systems were good. Of particularly note, were the strong returns to Koeye and Kwatna (as below). Provided the flooding in early November did not impact the returns too severely, good returns in 2011 can be expected.

Chum

Chum returns to Area 8 streams were well below target levels. The Lower Dean stream escapements seemed to be better than most. Kimsquit and the Bella Coola systems were at 30 to 40 percent of target escapement levels. Snootli Creek Hatchery achieved their egg take target at three of the four brood stock capture sites in the Bella Coola valley. Hatchery staff removed the weir on the Saloompt River in order to maintain a natural spawning stock. This resulted in an egg take of less than half off the target. The total hatchery egg take was 6.4 million, short of the target of 7.2 million.

Chinook

The preliminary escapement estimate for Atnarko Chinook is approximately 10,600 adults. This year’s estimate is based on a mark/recapture study. The program was a collaborative effort utilizing staff and expertise from Snootli Creek Hatchery and the Nuxalk Fisheries Program.

In 2009, the mark/recapture program was funded and orchestrated by North Coast Stock Assessment. The estimate is preliminary but early indications are that the results of the study will qualify the Atnarko as a good candidate to be a Central Coast chinook indicator stream.

The results of the 2009 mark/recapture study were compared to past methodologies, wherein, a combination of the brood stock capture CPUE, the number of carcasses handled in the dead-pitch, and the peak drift count are averaged. The result of 11,550 chinook using the past methodologies compares well with the 2009 mark/recaptures results.

Snootli Creek Hatchery obtained their chinook egg target and collected 2.29 million eggs from the Atnarko River in 2009. A total of 63,500 chinook eggs were taken from the Saloompt River which is below the target of 100,000. Efforts to obtain brood stock from the Saloompt and Nusatsum brood were hindered by the local wildfire situation. As a result, there were no eggs taken on the Nusatsum in 2009.

The Dean River Chinook final escapement estimate of 1,400 adults is comparable to other Central Coast stock trends, in that, it is slightly better than last year but certainly low in contrast to historical escapements. The observations from six aerial surveys were used in an area-under-the-curve escapement estimator (AUC) with a stream residence time of 12.8 days.

The results of the aerial surveys indicated the Upper Dean tributaries (Takia/Tahyesco) had relatively strong returns in comparison to other sections of the river. This is a reverse of last year’s scenario. River conditions for the surveys were average for the duration of the flights.

See Appendix IV for a summary of 2009 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	3,500
Kimsquit	30,000	N/I

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola/Atnarko	1,000,000	746,500
Kwatna	100,000	150,000
Koeye	100,000	200,000

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola	60,000(summer) 20,000 (fall)	25,000 (summer) A/P (fall)
Kimsquit	60,000	20,000
Elcho	20,000	8,000
Cascade	12,000	4,300
Jenny Bay	6,000	4,900
Martin	15,000	A/P

Chinook Salmon:

Key Stream	Target Escapement	Current Year Escapement
Bella Coola/Atnarko	25,000	10,600
Dean	12,000	1,400

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 2009
Appendix II - Area 8 Sport Fishery Catch Summary for 2009
Appendix III - Area 8 First Nation Food, Social and Ceremonial (FSC) Fishery Catch Summary for 2009
Appendix IV - Area 8 Escapements for 2009
Appendix V - Atnarko Tower Count for 2009 (Expanded for 24 Hour Counts)

AREA 8 GN TOTAL CATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
23 061	01-Jun-09	29	0	0	0	0	186	0	0
	TFW	29	0	0	0	0	186	0	0
	TTD	29	0	0	0	0	186	0	0
24 062	08-Jun-09	44	0	0	0	2	144	0	0
	TFW	44	0	0	0	2	144	0	0
	TTD	73	0	0	0	2	330	0	0
25 063	15-Jun-09	39	0	0	0	10	298	0	0
	TFW	39	0	0	0	10	298	0	0
	TTD	112	0	0	0	12	628	0	0
26 064	22-Jun-09	40	0	0	0	147	508	0	0
	TFW	40	0	0	0	147	508	0	0
	TTD	152	0	0	0	159	1136	0	0
27 071	29-Jun-09	64	90	0	11	1152	624	0	0
	30-Jun-09	50	131	0	13	1202	452	0	0
	TFW	114	221	0	24	2354	1076	0	0
	TTD	266	221	0	24	2513	2212	0	0
28 072	06-Jul-09	65	229	0	38	2292	443	0	0
	07-Jul-09	61	178	0	45	1445	334	0	0
	TFW	126	407	0	83	3737	777	0	0
	TTD	392	628	0	107	6250	2989	0	0
29 073	13-Jul-09	60	74	0	56	2535	474	0	0
	TFW	60	74	0	56	2535	474	0	0
	TTD	452	702	0	163	8785	3463	0	0
30 074	20-Jul-09	62	67	0	82	8193	334	0	0
	TFW	62	67	0	82	8193	334	0	0
	TTD	514	769	0	245	16978	3797	0	0
31 075	27-Jul-09	101	196	0	470	11467	232	0	0
	TFW	101	196	0	470	11467	232	0	0
	TTD	615	965	0	715	28445	4029	0	0
32 081	04-Aug-09	79	106	0	538	6742	67	0	0
	08-Aug-09	0	0	0	0	0	0	0	0
	TFW	79	106	0	538	6742	67	0	0
	TTD	694	1071	0	1253	35187	4096	0	0

AREA 8	BCGNA		GN 'ATCH					22-Nov-09	
Week	Closed Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
23	061 01-Jun-09	29	0	0	0	0	186	0	0
	TFW	29	0	0	0	0	186	0	0
	TTD	29	0	0	0	0	186	0	0
24	062 08-Jun-09	44	0	0	0	2	144	0	0
	TFW	44	0	0	0	2	144	0	0
	TTD	73	0	0	0	2	330	0	0
25	063 15-Jun-09	39	0	0	0	10	298	0	0
	TFW	39	0	0	0	10	298	0	0
	TTD	112	0	0	0	12	628	0	0
26	064 22-Jun-09	40	0	0	0	147	508	0	0
	TFW	40	0	0	0	147	508	0	0
	TTD	152	0	0	0	159	1136	0	0
27	071 29-Jun-09	64	90	0	11	1152	624	0	0
	30-Jun-09	50	131	0	13	1202	452	0	0
	TFW	114	221	0	24	2354	1076	0	0
	TTD	266	221	0	24	2513	2212	0	0
28	072 06-Jul-09	42	7	0	0	1309	337	0	0
	07-Jul-09	38	2	0	0	595	204	0	0
	TFW	80	9	0	0	1904	541	0	0
	TTD	346	230	0	24	4417	2753	0	0
29	073 13-Jul-09	43	10	0	8	1535	369	0	0
	TFW	43	10	0	8	1535	369	0	0
	TTD	389	240	0	32	5952	3122	0	0
30	074 20-Jul-09	49	25	0	33	7125	308	0	0
	TFW	49	25	0	33	7125	308	0	0
	TTD	438	265	0	65	13077	3430	0	0
31	075 27-Jul-09	53	15	0	269	7197	205	0	0
	TFW	53	15	0	269	7197	205	0	0
	TTD	491	280	0	334	20274	3635	0	0
32	081 04-Aug-09	39	26	0	408	3163	51	0	0
	TFW	39	26	0	408	3163	51	0	0
	TTD	530	306	0	742	23437	3686	0	0

AREA 8 DCGNA GN 'ATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29 073	13-Jul-09	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	0	0	0	0	0	0	0	0
30 074	20-Jul-09	1	0	0	0	22	1	0	0
	TFW	1	0	0	0	22	1	0	0
	TTD	1	0	0	0	22	1	0	0
31 075	27-Jul-09	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	1	0	0	0	22	1	0	0
32 081	08-Aug-09	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	1	0	0	0	22	1	0	0

AREA 8 F/FH GN 'ATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
28 072	06-Jul-09	23	222	0	38	983	106	0	0
	07-Jul-09	23	176	0	45	850	130	0	0
	TFW	46	398	0	83	1833	236	0	0
	TTD	46	398	0	83	1833	236	0	0
29 073	13-Jul-09	17	64	0	48	1000	105	0	0
	TFW	17	64	0	48	1000	105	0	0
	TTD	63	462	0	131	2833	341	0	0
30 074	20-Jul-09	12	42	0	49	1046	25	0	0
	TFW	12	42	0	49	1046	25	0	0
	TTD	75	504	0	180	3879	366	0	0
31 075	27-Jul-09	48	181	0	201	4270	27	0	0
	TFW	48	181	0	201	4270	27	0	0
	TTD	123	685	0	381	8149	393	0	0
32 081	04-Aug-09	40	80	0	130	3579	16	0	0
	TFW	40	80	0	130	3579	16	0	0
	TTD	163	765	0	511	11728	409	0	0

AREA 8 SN TOTAL CATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29 073	13-Jul-09	9	0	0	3100	900	0	0	0
	TFW	9	0	0	3100	900	0	0	0
	TTD	9	0	0	3100	900	0	0	0
30 074	20-Jul-09	6	0	0	17928	1618	0	0	0
	TFW	6	0	0	17928	1618	0	0	0
	TTD	15	0	0	21028	2518	0	0	0
31 075	27-Jul-09	6	0	0	36579	2525	0	0	0
	TFW	6	0	0	36579	2525	0	0	0
	TTD	21	0	0	57607	5043	0	0	0
32 081	04-Aug-09	10	0	0	68000	2145	0	0	0
	TFW	10	0	0	68000	2145	0	0	0
	TTD	31	0	0	125607	7188	0	0	0

AREA 8 F/FH SN 'ATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29 073	13-Jul-09	9	0	0	3100	900	0	0	0
	TFW	9	0	0	3100	900	0	0	0
	TTD	9	0	0	3100	900	0	0	0
30 074	20-Jul-09	6	0	0	17928	1618	0	0	0
	TFW	6	0	0	17928	1618	0	0	0
	TTD	15	0	0	21028	2518	0	0	0
31 075	27-Jul-09	6	0	0	36579	2525	0	0	0
	TFW	6	0	0	36579	2525	0	0	0
	TTD	21	0	0	57607	5043	0	0	0
32 081	04-Aug-09	10	0	0	68000	2145	0	0	0
	TFW	10	0	0	68000	2145	0	0	0
	TTD	31	0	0	125607	7188	0	0	0

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
23 061	01-Jun-09	29	0	0	0	0	186	0	0
	TFW	29	0	0	0	0	186	0	0
	TTD	29	0	0	0	0	186	0	0
24 062	08-Jun-09	44	0	0	0	2	144	0	0
	TFW	44	0	0	0	2	144	0	0
	TTD	73	0	0	0	2	330	0	0
25 063	15-Jun-09	39	0	0	0	10	298	0	0
	TFW	39	0	0	0	10	298	0	0
	TTD	112	0	0	0	12	628	0	0
26 064	22-Jun-09	40	0	0	0	147	508	0	0
	TFW	40	0	0	0	147	508	0	0
	TTD	152	0	0	0	159	1136	0	0
27 071	29-Jun-09	64	90	0	11	1152	624	0	0
	30-Jun-09	50	131	0	13	1202	452	0	0
	TFW	114	221	0	24	2354	1076	0	0
	TTD	266	221	0	24	2513	2212	0	0
28 072	06-Jul-09	65	229	0	38	2292	443	0	0
	07-Jul-09	61	178	0	45	1445	334	0	0
	TFW	126	407	0	83	3737	777	0	0
	TTD	392	628	0	107	6250	2989	0	0
29 073	13-Jul-09	69	74	0	3156	3435	474	0	0
	TFW	69	74	0	3156	3435	474	0	0
	TTD	461	702	0	3263	9685	3463	0	0
30 074	20-Jul-09	68	67	0	18010	9811	334	0	0
	TFW	68	67	0	18010	9811	334	0	0
	TTD	529	769	0	21273	19496	3797	0	0
31 075	27-Jul-09	107	196	0	37049	13992	232	0	0
	TFW	107	196	0	37049	13992	232	0	0
	TTD	636	965	0	58322	33488	4029	0	0
32 081	04-Aug-09	89	106	0	68538	8887	67	0	0
	08-Aug-09	0	0	0	0	0	0	0	0
	TFW	89	106	0	68538	8887	67	0	0
	TTD	725	1071	0	126860	42375	4096	0	0

AREA 8 BCGNA TOTAL NET CATCH 22-Nov-09

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
23	061	01-Jun-09	29	0	0	0	0	186	0	0
		TFW	29	0	0	0	0	186	0	0
		TTD	29	0	0	0	0	186	0	0
24	062	08-Jun-09	44	0	0	0	2	144	0	0
		TFW	44	0	0	0	2	144	0	0
		TTD	73	0	0	0	2	330	0	0
25	063	15-Jun-09	39	0	0	0	10	298	0	0
		TFW	39	0	0	0	10	298	0	0
		TTD	112	0	0	0	12	628	0	0
26	064	22-Jun-09	40	0	0	0	147	508	0	0
		TFW	40	0	0	0	147	508	0	0
		TTD	152	0	0	0	159	1136	0	0
27	071	29-Jun-09	64	90	0	11	1152	624	0	0
		30-Jun-09	50	131	0	13	1202	452	0	0
		TFW	114	221	0	24	2354	1076	0	0
		TTD	266	221	0	24	2513	2212	0	0
28	072	06-Jul-09	42	7	0	0	1309	337	0	0
		07-Jul-09	38	2	0	0	595	204	0	0
		TFW	80	9	0	0	1904	541	0	0
		TTD	346	230	0	24	4417	2753	0	0
29	073	13-Jul-09	43	10	0	8	1535	369	0	0
		TFW	43	10	0	8	1535	369	0	0
		TTD	389	240	0	32	5952	3122	0	0
30	074	20-Jul-09	49	25	0	33	7125	308	0	0
		TFW	49	25	0	33	7125	308	0	0
		TTD	438	265	0	65	13077	3430	0	0
31	075	27-Jul-09	53	15	0	269	7197	205	0	0
		TFW	53	15	0	269	7197	205	0	0
		TTD	491	280	0	334	20274	3635	0	0
32	081	04-Aug-09	39	26	0	408	3163	51	0	0
		TFW	39	26	0	408	3163	51	0	0
		TTD	530	306	0	742	23437	3686	0	0

AREA 8 DCGNA TOTAL NET CATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
29 073	13-Jul-09	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	0	0	0	0	0	0	0	0
30 074	20-Jul-09	1	0	0	0	22	1	0	0
	TFW	1	0	0	0	22	1	0	0
	TTD	1	0	0	0	22	1	0	0
31 075	27-Jul-09	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	1	0	0	0	22	1	0	0
32 081	08-Aug-09	0	0	0	0	0	0	0	0
	TFW	0	0	0	0	0	0	0	0
	TTD	1	0	0	0	22	1	0	0

AREA 8 F/FH TOTAL NET CATCH 22-Nov-09

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
28 072	06-Jul-09	23	222	0	38	983	106	0	0
	07-Jul-09	23	176	0	45	850	130	0	0
	TFW	46	398	0	83	1833	236	0	0
	TTD	46	398	0	83	1833	236	0	0
29 073	13-Jul-09	26	64	0	3148	1900	105	0	0
	TFW	26	64	0	3148	1900	105	0	0
	TTD	72	462	0	3231	3733	341	0	0
30 074	20-Jul-09	18	42	0	17977	2664	25	0	0
	TFW	18	42	0	17977	2664	25	0	0
	TTD	90	504	0	21208	6397	366	0	0
31 075	27-Jul-09	54	181	0	36780	6795	27	0	0
	TFW	54	181	0	36780	6795	27	0	0
	TTD	144	685	0	57988	13192	393	0	0
32 081	04-Aug-09	50	80	0	68130	5724	16	0	0
	TFW	50	80	0	68130	5724	16	0	0
	TTD	194	765	0	126118	18916	409	0	0

Appendix II - 2009 Area 8 Hakai Pass Sport Lodge Weekly Catch

Wk #	Wk Ending	Anglers	RETAINED Sk	Co	Pk	Cm	Ck	Hal	Lng	Rk	RELEASED Ad Co	Ck (L)	Ck (Sub)
28	11-Jul	**18**	0	**0**	0	0	**1**	0	0	0	0	0	0
29	18-Jul	**347**	0	**276**	94	3	**59**	75	44	199	141	22	0
30	25-Jul	**635**	0	**462**	179	8	**56**	104	68	167	76	64	0
31	01-Aug	**818**	0	**855**	174	13	**149**	171	111	226	54	30	0
32	08-Aug	**719**	0	**905**	134	11	**86**	147	87	149	18	0	0
33	15-Aug	**738**	0	**901**	123	10	**71**	108	91	158	4	0	0
34	22-Aug	**696**	0	**845**	64	2	**65**	120	97	223	0	0	0
35	29-Aug	**481**	0	**676**	18	6	**20**	156	24	34	0	0	0
36	05-Sep	**168**	0	**218**	0	0	**2**	51	9	16	0	0	0
37	12-Sep	**8**	0	**2**	0	0	**0**	0	0	0	0	0	0
Season Total		**4,628**	**0**	**5,140**	**786**	**53**	**509**	**932**	**531**	**1,172**	**293**	**116**	**0**

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

Lodges/Resorts operating in the Hakai Pass area this season include:

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

Appendix III - 2009 Preliminary Lower Bella Coola River (Nuxalk Band) - FSC Weekly Catches

	Week	Number of							Sthd.	Sthd.
Week	Ending	Drifts	Sockeye	Coho	Pink	Chum	Chinook	Jack	Released	Kept
16	18-Apr									
17	25-Apr									
18	02-May									
19	09-May									
20	16-May	16					6			
21	23-May	62					40		1	
22	30-May	77					93		1	
23	06-Jun	90					118			
24	13-Jun	125	2			2	260		2	
25	20-Jun	186	6			8	386			
26	27-Jun	152	12	1		52	602			
27	04-Jul	156	22	7	2	154	712			
28	11-Jul	155	16	1	3	106	671			
29	18-Jul	105	26	18	12	85	456			
30	25-Jul	85	16	22	29	136	317			
31	01-Aug	25	6	26	56	78	65			
32	08-Aug	1			5	5	3			
33	15-Aug	1		25	25					
34	22-Aug									
35	29-Aug									
36	05-Sep	13	1	288		3				
37	12-Sep	12		377						
38	19-Sep	10		475						
39	26-Sep									
40	03-Oct	9		172						
41	10-Oct	4		6						
	TOTAL	**1,284**	**107**	**1,418**	**132**	**629**	**3,729**	**0**	**4**	**0**

Appendix III - 2009 Preliminary 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	18-Apr									
17	25-Apr									
18	02-May									
19	09-May									
20	16-May									
21	23-May									
22	30-May									
23	06-Jun	N/A					1			
24	13-Jun									
25	20-Jun									
26	27-Jun	N/A				1	6			
27	04-Jul	N/A	11				3			
28	11-Jul									
29	18-Jul	N/A	9	2			6	5		
30	25-Jul	N/A	8	1		1	17	2		
31	01-Aug	N/A	9	2		1	1	4		
32	08-Aug									
33	15-Aug									
34	22-Aug									
35	29-Aug									
36	05-Sep									
37	12-Sep									
38	19-Sep									
39	26-Sep									
40	03-Oct									
41	10-Oct	N/A		156						
42	17-Oct									
43	24-Oct									
44	31-Oct									
45	07-Nov									
	TOTAL	**0**	**37**	**161**	**0**	**3**	**34**	**11**	**0**	**0**

N/A- not available

* Ulkatcho FSC Catches are unavailable at this time.

Appendix III - 2009 Reported Nuxalk Weekly Tidal FSC Catches

	Week	Gill Net							
Week	Ending	Sets	Sockeye	Coho	Pink	Chum	Chinook	Jack	Sthd.
16	18-Apr								
17	25-Apr								
18	02-May								
19	09-May								
20	16-May								
21	23-May								
22	30-May								
23	06-Jun								
24	13-Jun	1					5		
25	20-Jun	7					7		
26	27-Jun	9				2	17		
27	04-Jul	6				4	21		
28	11-Jul	33	414	19	85	106	17		
29	18-Jul								
30	25-Jul								
31	01-Aug								
32	08-Aug								
33	15-Aug								
34	22-Aug								
35	29-Aug								
36	05-Sep								
37	12-Sep								
38	19-Sep								
39	26-Sep								
40	03-Oct								
41	10-Oct								
42	17-Oct								
43	24-Oct								
44	31-Oct								
45	07-Nov								
	TOTAL	**56**	**414**	**19**	**85**	**112**	**67**	**0**	**0**

Appendix III -- 2009 Preliminary 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
26	27-Jun	4	59	8	3	15	12	0
27	04-Jul	4	296	12	70	18	18	1
28	11-Jul	2	216	9	30	10	11	4
29	18-Jul							
30	25-Jul							
31	01-Aug							
32	08-Aug	1	12	0	0	0	0	0
	TOTAL	**11**	**583**	**29**	**103**	**43**	**41**	**5**

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

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
26	27-Jun							
27	04-Jul	1	30	0	0	0	4	0
28	11-Jul							
29	18-Jul							
30	25-Jul							
31	01-Aug							
32	08-Aug							
33	15-Aug	1	25	0	0	0	0	0
	TOTAL	**2**	**55**	**0**	**0**	**0**	**4**	**0**

Appendix IV
Area 8 2009 Preliminary Escapements

BURKE CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
KWATNA RIVER	N/I	N/I	150,000	A/P	A/P
NOOTUM RIVER	N/P	N/I	A/P	N/I	N/P
QUATLENA RIVER	N/I	N/I	6,000	150	N/P
Total	**N/I**	**N/I**	**156,000**	**150**	**N/O**

DEAN CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
CASCADE RIVER	A/P	A/P	2,200	4,300	N/P
ELCHO CREEK	A/P	1,100	22,000	8,000	N/O
EUCOTT BAY CREEKS	N/I	A/P	1,000	500	N/P
FRENCHMAN CREEK	A/P	A/P	23,000	2,800	N/P
GREEN RIVER	N/P	N/I	N/I	N/I	N/P
JENNY BAY CREEKS (3)	N/I	A/P	5,400	4,900	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
Total	**A/P**	**1,100**	**53,600**	**20,500**	**N/O**

FISHER - FITZ HUGH	Sockeye	Coho	Pink	Chum	Chinook
EVANS INLET CREEKS	N/P	N/I	500	300	NP
FOUR LAKES CREEK	N/P	N/I	A/P	A/P	N/P
HOOK NOSE CREEK	N/I	N/I	A/P	A/P	N/P
KISAMEET RIVER	N/I	N/I	N/I	N/I	N/P
KOEYE RIVER	1,700	A/P	200,000	A/P	N/O
NAMU RIVER	N/I	N/I	N/I	N/I	N/P
SAGAR CREEK	N/P	A/P	A/P	A/P	N/P
Total	**1,700**	**A/P**	**200,500**	**300**	**N/O**

NORTH BENTINCK	Sockeye	Coho	Pink	Chum	Chinook
ATNARKO SPAWNING CHANNEL	A/P	N/I	A/P	N/O	A/P
BELLA COOLA RIVER	3,500	19,000	746,500	25,000	10,600
NECLEETSCONNAY RIVER	N/P	1,800	15,000	A/P	N/P
NOOSESECK RIVER	N/I	N/I	16,000	N/I	N/P
Total	**3,500**	**20,800**	**777,500**	**25,000**	**10,600**

SOUTH BENTINCK	Sockeye	Coho	Pink	Chum	Chinook
ASEEK RIVER	N/I	N/I	N/I	N/I	N/P
NOEICK RIVER	N/P	N/I	N/I	N/I	N/I
TALEOMY RIVER	N/I	N/I	N/I	N/I	N/I
Total	**N/I**	**N/I**	**N/I**	**N/I**	**N/I**

UPPER DEAN CHANNEL	Sockeye	Coho	Pink	Chum	Chinook
DEAN RIVER	A/P	A/P	8,000	200	1,400
DEEP BAY CREEK	N/P	N/I	N/I	N/I	N/P
KIMSQUIT BAY	N/P	N/P	N/P	1,000	N/P
KIMSQUIT RIVER	N/I	N/I	A/.P	18,000	N/I
SKOWQUILTZ RIVER	N/I	N/I	A/P	N/I	N/P
Total	**A/P**	**A/P**	**8,000**	**19,200**	**1,400**
Total Area 8	**5,200**	**21,900**	**1,195,600**	**65,150**	**12,000**

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 - 2009
Expanded for 24 Hours- Preliminary

Date	Sockeye	Coho	Pink	Chum	Chinook
13-Aug	0	0*	0*	0	0*
14-Aug	0	27	151	0	19
15-Aug	0	39	582	0	69
16-Aug	0	39	1,445	1	149
17-Aug	7	305	3,614	1	162
18-Aug	7	352	3,854	27	165
19-Aug	7	380	3,913	31	171
20-Aug	10	419	4,024	31	171
21-Aug	14	446	4,079	31	187
22-Aug	14	480	4,482	33	190
23-Aug	24	773	9,742	47	228
24-Aug	44	1,223	21,117	85	257
25-Aug	105	1,675	49,495	100	310
26-Aug	184	3,544	126,977	116	340
27-Aug	232	4,476	186,815	132	371
28-Aug	289	5,308	252,229	153	393
29-Aug	318	6,128	277,778	153	393
30-Aug	347	6,572	309,410	158	410
31-Aug	364	7,225	339,903	158	413
1-Sep	383	7,747	378,689	162	430
2-Sep	400	8,445	401,262	174	442
3-Sep	416	8,908	424,085	186	468
4-Sep	431	8,908	447,536	186	514
5-Sep	456	8,908	472,122	186	514
6-Sep	487	9,412	510,349	186	579
7-Sep	513	9,924	542,542	198	597
8-Sep	533	10,211	576,398	199	599
9-Sep	565	10,562	603,396	202	690
10-Sep	584	11,168	621,654	202	723
11-Sep	592	11,278	634,359	205	723
12-Sep	612	11,501	640,110	205	746
13-Sep	622	12,286	653,106	205	854
14-Sep	624	12,430	671,543	205	880
15-Sep	632	12,658	677,878	218	921
16-Sep	648	12,863	688,539	222	979
17-Sep	648	12,908	694,535	227	979
18-Sep	653	12,996	702,615	227	990
19-Sept***	659	13,086	707,510	229	1,023
20-Sep	659	13,163	709,391	229	1,084
21-Sep	663	13,205	710,733	229	1,088
22-Sep	670	13,286	712,144	229	1,088
23-Sep	672	13,466	715,245	241	1,088
24-Sep	672	13,698	720,158	241	1,088
25-Sep	679	14,277	725,939	251	1,088
26-Sep	679	14,533	727,129	251	1,091
27-Sep	679	14,630	728,374	251	1,091
28-Sep	679	14,746	729,036	254	1,095
29-Sep	681	14,892	729,416	254	1,095
30-Sep	684	14,944	729,416	259	1,095
1-Oct	691	14,947	729,500	259	1,095
End of Regular Tower Counts**					

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

** Coho still observed below Tower after Oct 1 (approx 1,000). Low Water conditions resulted in fish hanging below tower until major rain events in mid October.

*** No data - used average of 3 previous days and 3 following days

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	239,795	296,174
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	2,267,100	2,992,532
2003	714,549	1,069,300	1,783,849
2005	607,174	998,550	1,605,724
2007	218,218	749,330	967,548
2009	126,860	1,195,600	1,322,460

*1960 to 2000 Catches From B.C. Catch Statistics.
**2001 to 2009 Final Hails.
***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	142,300	415,292
2006	362,232	176,610	538,842
2007	250,765	146,700	397,465
2008	9,766	50,500	60,266
2009	42,375	65,150	107,525

*1960 to 2000 Catches From B.C. Catch Statistics.
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*1960 to 2000 Catches From B.C. Catch Statistics.
**2001 to 2009 Final Hails.
***Net Catch Only.

2010 SALMON PROSPECTS FOR THE SEASON – AREA 8

Pre-season forecasts and comparative 2009 forecasts.

			2010 Forecast			2009 Forecast	
		Escapement		Median		Median	
Species	Stock	Target	10%	50%	90%	50%	Model
Pink	all	1,475,400	N/A	303,000	N/A	806,000	2009/10 - 5 yr avg rr
			N/A	436,000	N/A		2010 – brood yr rr
Chum	all	267,450	N/A	437,000	N/A	458,000	2009/10 - 5 yr avg rr
			N/A	198,000	N/A	296,000	2009/10 – 2 yr avg rr
Sockeye	Atnarko	75,000	9,700	3,100	1,000	4,500	2009/10 - 5 yr avg

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. For 2010, there is a 5 in 10 chance that the expected return of Atnarko River Sockeye will be 3,100.

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

Pink: Return rates for pink in Area 8 seem to be improving, although there is much uncertainty in marine survival and forecasting. Two different forecasts were made for the 2010, the 5 year return rate model and a brood year return rate model. Neither model identifies any specific surpluses for 2010.

Chum: The 2010 forecast using the 5 year return rate model may be overly optimistic given recent poor returns of chum to Area 8. A more conservative forecast using an average of the 2 most recent years suggests a return of 200,000. The 5 year return rate model suggests potential surpluses in the Bella Coola and Kimsquit Rivers, as well as the Dean Channel systems (Cascade, Elcho and Jenny Bay), while the 2 year return rate model forecasts minor surpluses in the Bella Coola River, Kimsquit River, and Jenny Bay Creeks.

Chinook: Dean River brood year escapements were good, however due to uncertainty in survival, an average to below average return is expected. Bella Coola/Atnarko enhanced returns and production from the modest brood year escapements are also expected to provide an average to below average return. Returns to both systems in the past 2 years have been below the 5 year average and uncertainty in marine survival continues to increase uncertainty in expectations.

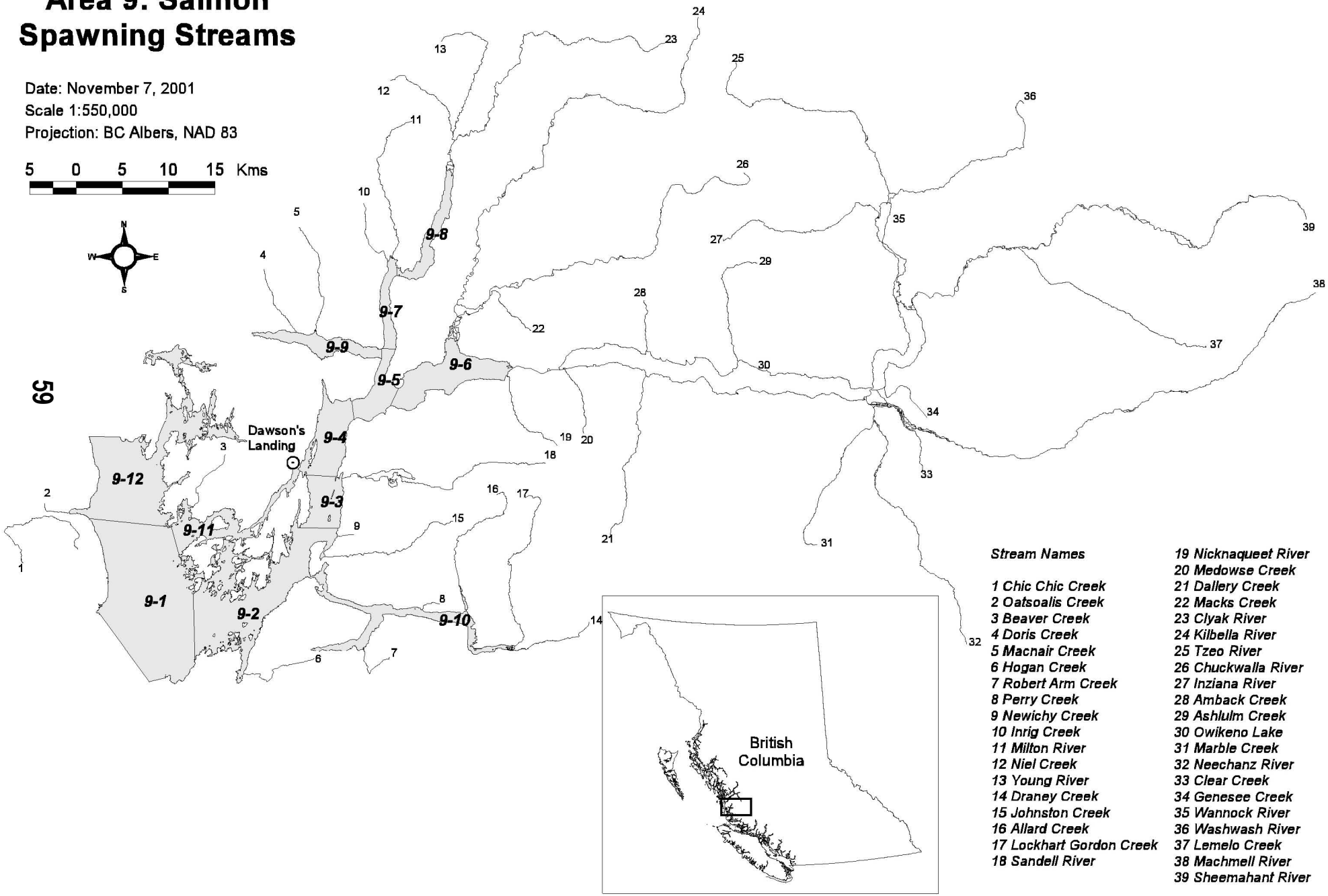
Fisheries and Oceans Canada | Pêches et Océans Canada

Canada

Area 9: Salmon Spawning Streams

Date: November 7, 2001
Scale 1:550,000
Projection: BC Albers, NAD 83

5 0 5 10 15 Kms



Stream Names

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

2009 POST SEASON SUMMARY AND ASSESSMENT
AREA 9- RIVERS INLET SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
Expected Return	111,200	N/A	182,000	79,000	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	N/A	N/A	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

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
Commercial Field Catches							
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
Sport Catches							
Tidal	0	9,106	969	23	1,003	UNK	UNK
Non-Tidal	0	UNK	0	0	UNK	UNK	UNK
Total	0	9,106	969	23	1,003	UNK	UNK
FSC Catches							
Tidal	113	2	107	4	3	0	0
Non-Tidal	2,105	16	141	2	60	0	0
Total	2,218	18	248	6	63	0	0

3. Escapement

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
2009*	78,500	18,200	501,210	5,685	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:

	Date of First Fishery	Date of Last Fishery	Date of CFB	Total Days Fishing	Total Accum Effort
Seine				0	0
Gillnet				0	0
Troll	Not open this year.			0	0

* Recorded escapements
N/A - not available
A/P - Inspected and species present, but no estimate of escapement available.

5. Commercial Net Fishery Summary:

The total sockeye return to Owikeno Lake is estimated at 78,500. The forecasted sockeye return to Owikeno Lake was estimated to be 111,200 this year, below the 200,000 target escapement. No commercial fishery targeting Rivers Inlet sockeye was contemplated in 2009.

6. Commercial Troll Fishery Summary:

Area 9 and 109 did not open this year.

7. Sport Fishery Summary:

A total of 10 lodges operated in Rivers Inlet during the 2009 season. Although 10 lodges were operating, many had a shortened season or fewer guests. Only 10,618 angler days were reported in 2009 well below the 10 year average which hovers around 15,500. In Area 9, 1,003 chinook were caught this season compared to the 549 chinook caught in 2008. The chinook catch per unit effort (CPUE) was just over double last year's, and is in line with the 10 year average. Coho sport fishing in Area 9 was excellent in 2009. A total of 9,106 coho were caught this season compared to the 2,854 coho caught in 2008. The coho CPUE is similar to 2002-2005 and approximately four times last year's. Not including the past two poor coho years, the coho CPUE is well above the 2002-2006 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 111,200 this year. The Wuikinuxv Nation's Communal Licence sockeye allocation is 4,500 pieces. A new FSC catch database was used in 2009 with the goal to more accurately record all FSC catches and fishing effort. The preliminary Wuikinuxv FSC harvest Area 9 totals are: 2,218 sockeye, 18 coho, 248 pink, 6 chum and 63 chinook.

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

9. Escapement Summary:

Sockeye

Sockeye escapement to Owikeno Lake and its tributaries has been estimated at 78,500 adults. The escapement is lower than forecast but is comparable to Central Coast sockeye trends in 2009.

The Owikeno Lake enumeration program ran from September 11th to October 11th. This year the stream inspections were conducted with the help of the Cislayacki Ecological Society (CES). The extra boat and crew members allowed for trails to be blazed and maintained throughout the survey period. The additional access resulted in more efficient counts and safer travel for the workers.

There was a period of high water from Sept 15th to 19th that interfered with the inspection cycle but overall conditions were conducive to good fish counts. Aerial surveys also contributed to the escapement calculation. The first flight was on August 20th and the last sockeye flight was completed on the October 19th.

Two boat juvenile trawl surveys were not conducted in 2009 and overall bear activity was average in 2009.

Coho

Preliminary results indicate a strong return of coho to Area 9. Early September counts of coho were documented in the tributaries of Owikeno Lake as well as the Clyak, Draney and Johnston Creeks. Considering these early arrivals and the abundance of coho in the Chuckwalla and Kilbella rivers, coho returns are well above average in 2009.

Two aerial surveys have been conducted to-date that have documented an estimated 5,500 adult coho on the Kilbella River and 11,000 coho on the Chuckwalla. Observations of fish behaviour indicated that peak coho abundance was observed on the November 13th flight.

In addition, at the time of printing this document, Johnston Creek coho brood stock collection was being organized for a third consecutive year. The eggs will be transported to Snootli Creek Hatchery for incubation and rearing.

PINK

Area 9 pink returns were consistent with other Central Coast trends. Good returns to the Chuckwalla (332,150) and the Kilbella

(153,650) were considerably higher than forecast while returns to the Owikeno tributaries and all other inspected systems were comparable with the brood year.

Aerial surveys were used for the Chuckwalla and Kilbella escapements. Both systems were well seeded in 2009 with the spawn in full swing on August 20th and fish still on redds in late September.

Owikeno tributary estimates are on the conservative side considering that these stream inspections target sockeye. The pinks were well into the spawn by September mid when sockeye surveys begin. Charter patrol surveyed all other tributaries including Clyak, Draney, Lockhart Gordon, McNair, Milton and the Nicknaqueet Rivers.

CHUM

Inspections of Rivers Inlet streams indicated slightly better returns than last year but based on historical observations, these escapements are poor. Escapements by stream were: MacNair 700, Lockhart Gordon 1,650, Draney 1,300, and Clyak 800.

From the chinook aerial surveys, chum estimates of the Chuckwalla and Kilbella Rivers were 2,300 and 320 chum respectively. These returns are similar to last year but down drastically from the previous six years that were greater than 20,000 to the Chuckwalla and 5,000 to the Kilbella. It should be noted that these estimates do not appear in the Escapement Summary Report because aerial surveys carried out during low chum abundance tend to underestimate the population. In this situation, the information can only be used as a comparison in similar circumstances.

In the Owikeno Lake tributaries, there were chums reported in Ashlum Creek. In other years, observations of chums have been noted in the Neechanz, Dallery, and Washwash systems. In recent years, sockeye escapement survey timing has changed which may have missed these small populations of chum.

Chinook

Water and weather conditions hampered observations of post peak spawning on all the Rivers Inlet systems. Though this was considered in deriving the respective escapements, methodologies are consistent with past practice and the results correspond to all other aerial survey information recorded for 2009. High escapements of pink salmon to the Chuckwalla and Kilbella systems were also considered in relation to observation efficiencies.

Chinook and chum were spawning within high densities of spawning pink salmon which made species identification difficult.

Chuckwalla River
The chinook estimate to the Chuckwalla River is 200 adults. The estimate is based on five aerial surveys. The majority of spawning was observed below the canyon with some of the more common spawning areas in this system were not utilized in 2009.

Kilbella River
Chinook escapement is estimated to be 350 adults. Spawning was observed throughout the system and the river appears to have been well seeded.

Ashlum River
The Ashlum River chinook escapement is estimated to be 60 adults. This system is becoming difficult to observe during aerial surveys. This is due to the dense canopy and complicated flightpath. This is considered in the AUC calculation but it has been noted that, in the future, foot surveys should be used to support aerial observations.

Dallery River
One chinook carcass and three redds were observed in the Dallery River. The redds were consistent with historic spawning data and the escapement for 2009 is being posted as A/P (Adults Present).

Neechanz River
The escapement for the Neechanz River is estimated to be 100 adults. Chinook were observed on five aerial surveys with redd location and relative abundance similar to last year.

Tzeo River
The Tzeo River escapement for chinook was 120 adults. Fish were distributed throughout the system and fresh spawners were observed as late as October 4th.

Washwash River
Historic chinook spawning areas on the Washwash River were inspected. Although there were suspect chinook redds, the 2009 escapement will be recorded as N/O (None Observed).

Marble River
The Marble River was not inspected in 2009.

Inziana River
Chinook were not observed during aerial surveys or stream inspections of the Inziana River. The system is heavily glaciated and this makes it difficult to enumerate smaller populations. Although no Chinook have not been observed for years, historical

observations indicate that this system supports a very small population of chinook.

Wannock River:
The Wannock River Chinook dead-pitch was conducted again in 2009. Preliminary reports, based on eggtake data and preliminary dead-pitch numbers, indicate a return of 3,500-4,000 adults.

See Appendix IV for the 2009 escapements by stream.

10. Current Year/Target Escapement Comparison - Key Streams:
(All estimates preliminary)

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Clyak/Neil/Young	50,000	500
Chuckwalla River	100,000	332,150
Johnston Creek	90,000	A/P
Kilbella River	50,000	153,650

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Clyak/Neil/Young	40,000	800
Draney/Lockhart/Gordon	20,000	2,950
MacNair Creek	4,500	700
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 2009 N/A
Appendix II - Area 9 Sport Fishery Catch Summary for 2009
Appendix III - Area 9 First Nation Food, Social and Ceremonial (FSC) Fishery Catch Summary for 2009
Appendix IV - Area 9 Escapement Summary 2009

Appendix II - 2009 Area 9 Sport Lodge Weekly Catch

			RETAINED								RELEASED		
Wk #	Wk Ending	**Anglers**	Sk	**Co**	Pk	Cm	**Ck**	Hal	Lng	Rk	Ad Co	Ck (L)	Ck (Sub)
26	27-Jun	**117**	0	**16**	0	1	**34**	3	4	0	0	0	0
27	04-Jul	**147**	0	**72**	2	0	**31**	18	24	34	0	0	0
28	11-Jul	**179**	0	**116**	8	0	**45**	52	46	80	0	0	0
29	18-Jul	**469**	0	**174**	24	1	**57**	61	66	126	3	0	0
30	25-Jul	**805**	0	**486**	203	2	**71**	67	62	146	1	0	0
31	01-Aug	**1,104**	0	**832**	197	4	**129**	84	45	197	7	0	0
32	08-Aug	**1,875**	0	**1,203**	225	1	**190**	87	41	96	7	1	0
33	15-Aug	**1,999**	0	**1,855**	90	12	**227**	74	64	149	3	0	0
34	22-Aug	**1,850**	0	**1,715**	159	1	**182**	57	18	116	0	0	0
35	29-Aug	**1,266**	0	**1,621**	52	1	**28**	66	34	169	70	0	0
36	05-Sep	**700**	0	**930**	6	0	**8**	56	60	164	40	0	0
37	12-Sep	**107**	0	**86**	3	0	**1**	5	11	14	0	0	0
Season Total		**10,618**	0	**9,106**	969	23	**1,003**	630	475	1,291	131	1	0

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

Lodges/Resorts operating in Area 9 this season include:

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 - 2009 Preliminary Wuikinuxv (Oweekeno) - FSC Weekly Catch in Area 9

Week	Week Ending	Effort Drifts/Sets	Sockeye	Coho	Pink	Chum	Chinook	Sthd. Kept
25	20-Jun							
26	27-Jun							
27	04-Jul	14	122	0				
28	11-Jul	24	193	0				
29	18-Jul	25	132	0	4		2	
30	25-Jul	38	155	0	6	2	1	
31	01-Aug	N/A	870	0	20			
32	08-Aug	N/A	665	0	10			
33	15-Aug	3	4	1	3			
34	22-Aug	6	77	17	205	4	2	
35	29-Aug						58	
36	05-Sep							
37	12-Sep							
38	19-Sep							
39	26-Sep							
40	03-Oct							
41	10-Oct							
42	17-Oct							
43	24-Oct							
	TOTAL	**110**	**2,218**	**18**	**248**	**6**	**63**	**0**

N/A - Not Available

Appendix IV
Area 9 Preliminary Escapements 2009

STREAM NAME	Sockeye	Coho	Pink	Chum	Chinook
ALLARD CREEK	N/P	N/I	N/I	N/I	N/P
AMBACK CREEK	1,500	A/P	A/P	N/O	N/O
ASHLUM CREEK	3,350	200	250	A/P	60
BEAVER CREEK	N/I	N/I	N/I	N/I	N/P
CHUCKWALLA RIVER	N/I	11,000	332,150	A/P	200
CLYAK, NEIL, & YOUNG RIVER	N/I	200	550	1,700	N/I
DALLERY CREEK	4,260	N/I	600	N/O	A/P
DRANEY CREEK	N/O	N/I	60	1,300	N/P
GENESEE CREEK	1,150	100	200	N/O	N/O
INZIANA RIVER	7,260	100	100	N/P	N/O
JOHNSTON CREEK	N/O	A/P	A/P	A/P	N/P
KILBELLA RIVER	N/I	5,500	153,650	A/P	350
LOCKHART GORDON CREEK	N/O	A/P	200	1,650	N/P
MACNAIR CREEK	N/P	A/P	7,250	700	N/O
MILTON RIVER	N/I	A/P	4,550	300	N/P
NEECHANZ RIVER	4,000	1,000	200	N/O	100
NICKNAQUEET RIVER	N/P	N/I	1,450	35	N/O
TZEO RIVER	2,050	N/I	N/I	N/I	120
WANNOCK RIVER AND FLATS	A/P	N/I	N/I	A/P	A/P
WASHWASH RIVER	10,100	100	A/P	N/O	N/O
OTHERS*	N/I	N/I	N/I	N/I	N/P
Total Area 9	**78500****	**18,200**	**501,210**	**5,685**	**A/P*****

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
2009	0	78,500	78,500

*-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
2009	0	501,210	501,210

*-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
2009	0	8,300	8,300

*-Catches From B.C. Catch Statistics and field catch data.
*-Catch is commercial net only, does not include FSC and sport.
**2009 Escapement includes Chuckwalla/Kilbella flight counts that w

2010 SALMON PROSPECTS FOR THE SEASON – AREA 9

Pre-season forecasts and comparative 2009 forecasts.

			2010 Forecast			2009 Forecast	
		Escapement	Median			Median	
Species	Stock	Target	10%	50%	90%	50%	Model
Pink	all	342,450	N/A	7,200	N/A	182,000	2009/10 - 5 yr avg rr
			N/A	17,100	N/A		2010 – 5 yr avg even rr
Chum	all	150,700	N/A	37,500	N/A	79,000	2009/10 - 5 yr avg rr
Sockeye	Owikeno Lake	200,000	145,100	102,800	72,800	111,200	5 year average

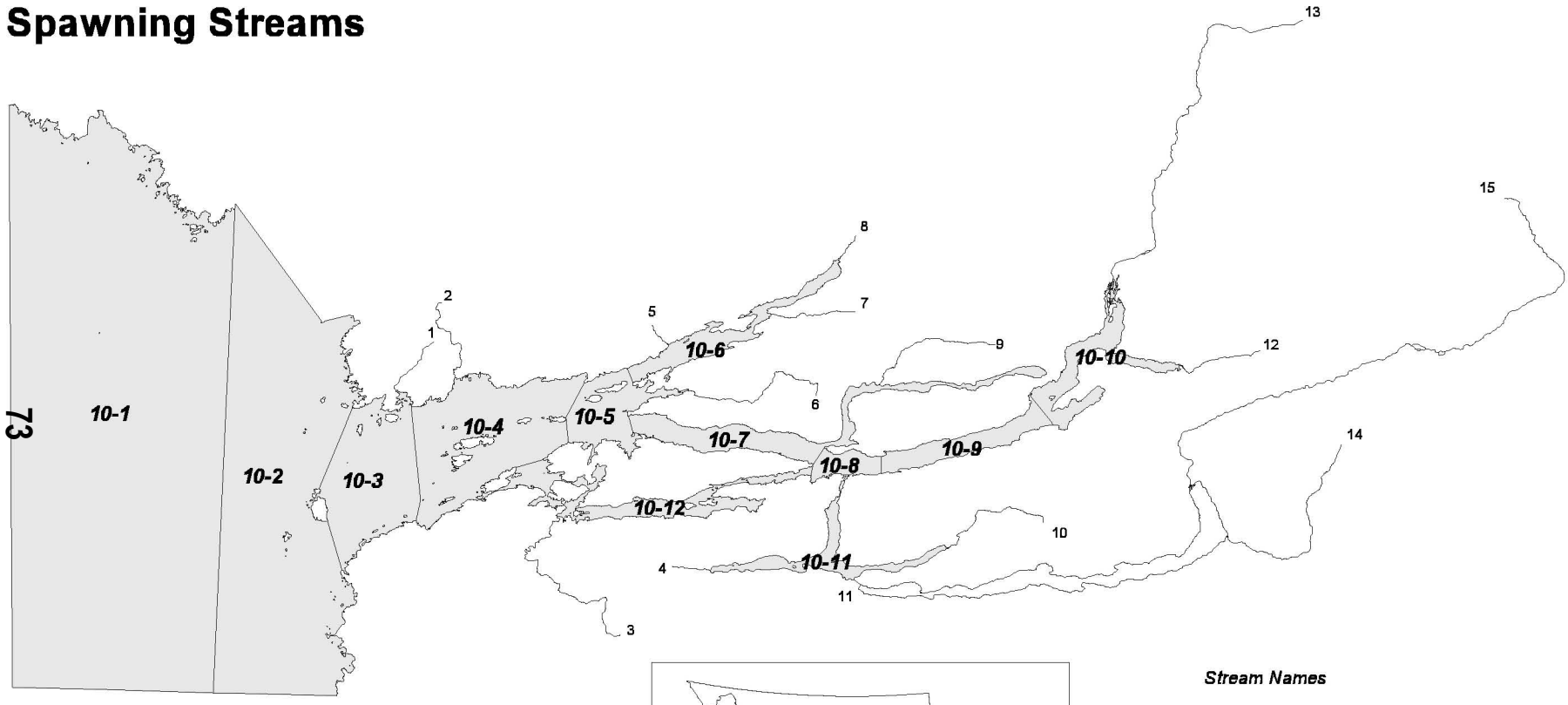
Note: Surpluses and deficits mask one another. Surpluses are calculated from individual stocks
Note: Forecasts are probability that the actual stock size will exceed the specified forecast.

Sockeye: According to the 5-yr average model, there a 5 in 10 chance that the 2010 return will reach 102,800 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 2009 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 2010 forecast for Area 9 predicts no available surplus of pinks.

Chum: Escapement information for Area 9 chum systems other than Chuckwalla and Kilbella Rivers is sparse for the 2010 brood years (2005-2007). Although a 5 year average return rate forecast is provided it should be considered unreliable. Returns for 2010 are expected to be below target with no surpluses predicted.

Area 10: Salmon Spawning Streams



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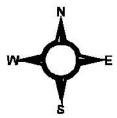
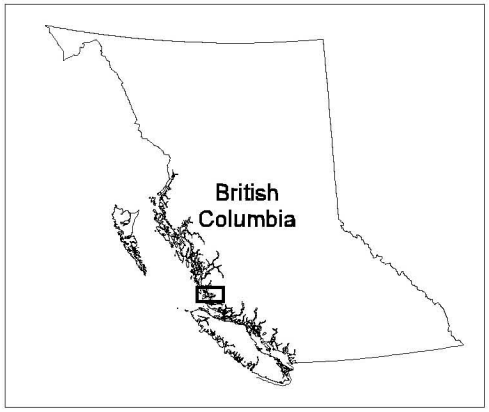
Scale 1:400,000
Projection: BC Albers, NAD 83

5 0 5 10 Kms





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

2009 POST SEASON SUMMARY AND ASSESSMENT
AREA 10 - SMITHS INLET SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
Expected Return	15,700	N/A	N/A	40,800	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	0	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

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
Commercial							
Field Catches							
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
Sport Catches							
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
FSC Catches							
Tidal	30	0	0	0	0	0	0
Non-Tidal	16	17	1	0	0	0	0
Total	46	17	1	0	0	0	0

3. Escapement

	Sockeye	Coho	Pink	Chum	Chinook	Jack	Stld
2009*	18,430	12,527	9,575	15,350	A/P		
Target	100,000	N/A	65,600	98,500	6,500	N/A	N/A

4. Commercial Fishery Stats:

	Date of First Fishery	Date of Last Fishery	Date of CFB	Total Days Fishing	Total Accum Effort
Seine				0	0
Gillnet				0	0
Troll	Not open this year.			0	0

* Recorded escapements only.
N/A- not available
A/P - Inspected and species present, but no estimate of escapement available

5. Commercial Net Fishery Summary:

The sockeye return to Long Lake was forecasted at 15,700 (range of 8,400 to 29,200). The total sockeye return to Long Lake was 18,446. No commercial fishery targeting on Long Lake sockeye was contemplated in 2009. No surplus was forecasted for chums returning to the Nekite River in 2009.

6. Commercial Troll Fishery Summary:

Area 10 and 110 did not open this year.

7. Sport Fishery Summary:

There are no catch reports available for tidal water sport fishing in Area 10 in 2009.

8. First Nation Social and Ceremonial Fishery (FSC) Summary:

The forecasted Long Lake sockeye return was estimated to be between 8,400 and 29,200 this year. In-season indications were that this run was returning at its expected level. The Gwa'sala-'Nakwaxda'xw Communal Licence was amended on July 1, 2009 to add the Salmon Schedule. This amendment included a sockeye allocation of 2,000 pieces. A total of 46 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 2009 Docee Fence enumeration program was conducted from July 1st to September 11th. The Gwa'sala-Nakwaxda'xw Fisheries Program was responsible for all enumeration activities at the fence this year.

DFO and Fence crews arrived at the Docee Camp on June 27th and spent 2-3 days setting up the camp and familiarization with the video camera operations. The fence was dropped on June 30th. Water levels were low during the majority of the program.

Two underwater cameras were operational this year - a main camera, and a secondary in case of problems and/or damage to the first camera. A new box was installed in deeper water to replace the old one that was not suitable for the site. The underwater camera was used to determine species identification from July 1st until September 10th. As a backup to the camera, the traditional dipping method was continued to gather biological samples and species composition information. Over 200 coho and 46 sockeye were dipped this year. Dipping was relatively unsuccessful in July, due to the low water conditions.

From mid July to the end of the program in September, there were 36 pinks and 16 chums counted through the fence. To keep consistent with historical methodology, these fish were recorded separately and are not included in final totals for the fence.

SOCKEYE

Sockeye returns to Long Lake continued to be much lower than historic levels. The final count through the Docee Fence was 18,446 sockeye. 16 sockeye were taken as Food Fish above the fence, resulting in an escapement of 18,430. With the low escapement this year and low water conditions for the majority of the sockeye migration, dipping for sockeye 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, with the assistance of two Gwa'sala-'Nakwaxda'xw Nation Fisheries Technicians.

Acoustic and trawl surveys were conducted at Long Lake from November 9th to 11th to estimate the abundance and condition of juvenile sockeye and other limnetic fish (threespine sticklebacks) that use the lake as a nursery area. Surveys were carried out with the assistance of 2 Gwa'sala-'Nakwaxda'xw Nation Fisheries Technicians. A report by Kim Hyatt is pending.

COHO

The Docee Fence program is the only coho indicator for Area 10. The total coho counted through the fence was 12,488. This is the highest fence count since 2005 (age 4 brood year for 2009 return) which was 19,910. Approximately 50 coho were observed below the Fence site after the fence was pulled.

The Gwa'sala-Nakwaxda'xw Fisheries Program enumerates early coho indirectly during the Nekite River Chum mark/recapture program. Coho were captured every day during the marking portion of the chum program in 2009. Although no estimate of population can be made, information suggests a marked improvement over 2008 returns.

PINK

Thirty-six (36) pinks were enumerated at the Docee Fence this year. The first pink was enumerated in mid July, and migration past the fence continued until the end of the program in mid September. Three pink were observed below the fence during the September 11th stream walk by the Gwa'sala Nakwaxda'xv Fisheries Program.

Charter Patrol completed two stream inspections of the Takush River this year. The Takush River supports a small population of pinks, however, none were observed.

An aerial survey was conducted on Sept. 28th and estimated 3,500 pink in the Nekite River. The Gwa'sala Fisheries Program conducted multiple stream inspections of the Nekite River in 2009 and reported "substantially more pink than last year." The peak recorded count was 7,380 pink on Sept 6th and 7th. In addition, a peak count of 277 pinks was observed in the spawning channel.

CHUM

There have been infrequent observations of chum in the Docee River in past years. Sixteen (16) chum were enumerated through the fence in 2009 from mid July to the end of the program.

Charter Patrol conducted stream inspections of the lower portion of the Takush River on Sept 16th and October 4th, 2009. Chum were present on both visits and actively spawning on the later visit. The highest count was 500 during the last inspection.

The Gwa'sala-Nakwaxda'xv Fisheries Program conducted three stream inspections of the Walkum River this year. The final inspection on September 21st was the peak count, with 1,500 chum estimated.

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. The 2009 program began on August 26th and ended on October 6th. Tagging took place between August 26th and September 15th and a total of 1,172 chum were tagged. Carcass recovery started on September 3rd, and continued until October 6th, with 1,510 chum carcasses examined for marks. One hundred and twenty-seven (127) marks (tag or secondary mark) were identified and a preliminary population estimate of 13,847 chum was derived by the Gwa'sala-'Nakwaxda'xw Nation Fisheries Program.

In addition to the Nekite mark/recapture program, both stream inspections and an aerial survey (on September 28th) were conducted.

CHINOOK

The Docee Fence operations were again extended this year to enumerate chinook (along with coho). A total of 181 chinook were estimated through the fence by the morning of September 11th.

The Gwa'sala-Nakwaxda'xw Fisheries Program conducted three stream inspections of the Docee River and the outlet of Long Lake after the fence program ended. The inspections were conducted on September 11th, October 7th and November 11th. The Gwa'sala-Nakwaxda'xw Fisheries Program estimated an additional 120 chinook in the Docee River during these stream inspections. A final population estimate for Docee River chinook is not available, although, the fence count and stream inspection information would indicate stable, possibly increasing, returns over recent years.

See Appendix IV for escapements by stream.

10. Current Year/Target Escapement Comparison - Key Streams:
(All estimates preliminary)

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement
Nekite River	65,000	9,572
Walkum Creek	500	N/O

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement
Nekite River	60,000	13,850
Nekite Spawning Channel	16,000	A/P*
Takush River	15,000	A/P
Walkum River	7,500	1,500

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 2009 **N/A**
Appendix II - Area 10 Sport Fishery Catch Summary for 2009 **N/A**
Appendix III - Area 10 First Nation Food, Social and Ceremonial Fishery Catch (FSC) Summary for 2009
Appendix IV - Area 10 Escapement Summary 2009
Appendix V - Docee River Fence Count 2009

Appendix III - 2009 Gwa'sala-'Nakwaxda'xw - FSC Weekly Catch in Area 10

	Week	Effort						Sthd.
Week	Ending		Sockeye	Coho	Pink	Chum	Chinook	Kept
25	20-Jun							
26	27-Jun							
27	04-Jul							
28	11-Jul							
29	18-Jul	1	30	0	0	0	0	0
30	25-Jul							
31	01-Aug							
32	08-Aug							
33	15-Aug	1	16	11	1	0	0	0
34	22-Aug							
35	29-Aug							
36	05-Sep							
37	12-Sep	1	0	6	0	0	0	0
38	19-Sep							
39	26-Sep							
40	03-Oct							
41	10-Oct							
	TOTAL	**3**	**46**	**17**	**1**	**0**	**0**	**0**

Appendix IV
Area 10 Preliminary Escapements 2009

STREAM NAME	Sockeye	Coho	Pink	Chum	Chinook
CANOE CREEK	4,608	A/P	N/P	N/P	N/P
DOCEE RIVER	A/P	12,527	A/P	A/P	A/P
NEKITE RIVER	N/O	A/P	9,225	13,850	N/O
NEKITE SPAWNING CHANNEL	N/O	UNK	350	A/P*	N/P
SMOKEHOUSE CREEK	13,822	A/P	N/P	N/P	N/I
TAKUSH RIVER	N/P	N/I	N/O	A/P	N/O
WALKUM CREEK	N/O	A/P	N/O	1,500	N/O
Total	**18,430**	**12,527**	**9,575**	**15,350**	**A/P**

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 - 2009

Date	Sockeye Count		Coho Count		Chinook Count	
	Sx TFD	Sx TTD	Co TFD	Co TTD	Ch TFD	Ch TTD
26-Jun		0		0		0
27-Jun		0		0		0
28-Jun		0		0		0
29-Jun		0		0		0
30-Jun	0	0	0	0	0	0
01-Jul	8	8	0	0	0	0
02-Jul	32	40	0	0	0	0
03-Jul	53	93	0	0	0	0
04-Jul	150	243	0	0	0	0
05-Jul	160	403	0	0	0	0
06-Jul	135	538	1	1	0	0
07-Jul	399	937	0	1	0	0
08-Jul	553	1,490	4	5	0	0
09-Jul	506	1,996	4	9	0	0
10-Jul	402	2,398	8	17	0	0
11-Jul	751	3,149	6	23	0	0
12-Jul	766	3,915	4	27	0	0
13-Jul	434	4,349	0	27	0	0
14-Jul	480	4,829	4	31	0	0
15-Jul	508	5,337	11	42	0	0
16-Jul	376	5,713	8	50	0	0
17-Jul	964	6,677	11	61	0	0
18-Jul	721	7,398	10	71	0	0
19-Jul	443	7,841	17	88	0	0
20-Jul	621	8,462	20	108	0	0
21-Jul	540	9,002	13	121	0	0
22-Jul	577	9,579	16	137	0	0
23-Jul	1,053	10,632	32	169	0	0
24-Jul	511	11,143	18	187	0	0
25-Jul	680	11,823	15	202	0	0
26-Jul	644	12,467	8	210	0	0
27-Jul	1,173	13,640	29	239	1	1
28-Jul	379	14,019	15	254	0	1
29-Jul	737	14,756	22	276	0	1
30-Jul	550	15,306	45	321	1	2
31-Jul	378	15,684	72	393	0	2
01-Aug	215	15,899	41	434	0	2
02-Aug	348	16,247	69	503	2	4
03-Aug	362	16,609	146	649	1	5
04-Aug	280	16,889	119	768	0	5
05-Aug	269	17,158	145	913	0	5
06-Aug	299	17,457	272	1,185	1	6
07-Aug	104	17,561	200	1,385	0	6
08-Aug	85	17,646	201	1,586	0	6
09-Aug	84	17,730	173	1,759	0	6
10-Aug	147	17,877	473	2,232	3	9
11-Aug	61	17,938	320	2,552	0	9
12-Aug	85	18,023	433	2,985	1	10

Appendix V. Docee Fence Counts - 2009

	Sockeye Count		Coho Count		Chinook Count	
Date	Sx TFD	Sx TTD	Co TFD	Co TTD	Ch TFD	Ch TTD
13-Aug	107	18,130	961	3,946	0	10
14-Aug	46	18,176	328	4,274	0	10
15-Aug	34	18,210	343	4,617	0	10
16-Aug	17	18,227	161	4,778	0	10
17-Aug	11	18,238	75	4,853	0	10
18-Aug	22	18,260	257	5,110	1	11
19-Aug	47	18,307	441	5,551	5	16
20-Aug	21	18,328	265	5,816	2	18
21-Aug	15	18,343	273	6,089	11	29
22-Aug	10	18,353	177	6,266	7	36
23-Aug	20	18,373	928	7,194	2	38
24-Aug	5	18,378	391	7,585	14	52
25-Aug	12	18,390	943	8,528	19	71
26-Aug	20	18,410	525	9,053	0	71
27-Aug	12	18,422	629	9,682	18	89
28-Aug	5	18,427	199	9,881	1	90
29-Aug	5	18,432	171	10,052	1	91
30-Aug	6	18,438	222	10,274	1	92
31-Aug	3	18,441	209	10,483	0	92
01-Sep	2	18,443	192	10,675	0	92
02-Sep	1	18,444	131	10,806	0	92
03-Sep	0	18,444	195	11,001	32	124
04-Sep	0	18,444	323	11,324	16	140
05-Sep	1	18,445	210	11,534	12	152
06-Sep	1	18,446	155	11,689	0	152
07-Sep	0	18,446	226	11,915	5	157
08-Sep	0	18,446	303	12,218	5	162
09-Sep	0	18,446	178	12,396	17	179
10-Sep	0	18,446	87	12,483	2	181
11-Sep	0	18,446	5	12,488	0	181

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
2009	0	18,430	18,430

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

AREA 10 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1960	29,004	3,500	32,504
1962	143,056	35,000	178,056
1964	60,918	1,500	62,418
1966	37,719	7,500	45,219
1968	83,396	15,025	98,421
1970	57,553	15,000	72,553
1972	10,419	2,525	12,944
1974	23,180	9,000	32,180
1976	10,679	22,100	32,779
1978	16,472	19,000	35,472
1980	740	2,500	3,240
1982	3,415	9,031	12,446
1984	477	3,516	3,993
1986	8,324	26,570	34,894
1988	20,517	18,113	38,630
1990	4,391	41,065	45,456
1992	49,601	2,100	51,701
1994	9,973	2,030	12,003
1996	512	6,400	6,912
1998	0	600	600
2000	0	18,497	18,497
2002	0	101,000	101,000
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	39,155	7,500	46,655
1963	3,605	7,500	11,105
1965	27,567	7,500	35,067
1967	110,160	3,500	113,660
1969	5,644	400	6,044
1971	3,315	4,000	7,315
1973	6,402	5,030	11,432
1975	2,762	1,300	4,062
1977	17,895	20,100	37,995
1979	6,788	30,250	37,038
1981	23,227	65,037	88,264
1983	2,577	45,271	47,848
1985	6,818	35,600	42,418
1987	10,858	18,233	29,091
1989	1,219	28,106	29,325
1991	9,922	15,133	25,055
1993	12,053	10,075	22,128
1995	132	26,525	26,657
1997	0	1,500	1,500
1999	0	100	100
2001	0	A/P	A/P
2003	0	50,000	50,000
2005	0	5,250	5,250
2007	0	5,084	5,084
2009	0	9,575	9,575

*-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 av

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
2009	0	15,300	15,300

*-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

2010 SALMON PROSPECTS FOR THE SEASON – AREA 10

Pre-season forecasts and comparative 2009 forecasts.

			2010 Forecast			2009 Forecast	
		Escapement		Median		Median	
Species	Stock	Target	10%	50%	90%	50%	Model
Pink	all	65,600	N/A	N/A	N/A	N/A	5 yr avg rr
Chum	all	98,500	N/A	36,500	N/A	40,800	5 yr avg rr
Sockeye	Long Lake	100,000	26,000	18,600	13,300	15,700 24,700	5 year average Sibling

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 2009 returns were predicted to be low, as the 2005 & 2004 brood years for returning 4 and 5 year old sockeye were well below historic levels. The 2010 returns are expected to be slightly better than 2009, although still well below historic levels as both age classes are from low return years – 14,000 sockeye from 2005 and 27,100 sockeye from 2006.

The 5-year average model predicts a 5 in 10 chance of 18,600 sockeye returning to the Docee River in 2010. This model has performed as well or better than other models under typical situations. At the time of printing this document, the 2009 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 2010 as recent return rate data is incomplete. Pink returns in 2008 were very poor, however an improved return may be expected in 2010 given recent trends in other Central Coast areas. The 2009 return was the highest recorded since 2003, estimated at around 9,600 pink

Chum: The 2010 forecast reflects a lower than historic Nekite chum return in 2005-2007 and no surplus is expected.

Revisions

Date	Page	By Whom	Comment