

# **SALMON CONSULTATION DOCUMENT**



**2001**

**CENTRAL COAST AREAS 7-10**

**FISHERIES AND OCEANS CANADA**

# 2001 CENTRAL COAST EXPECTATIONS

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READ CAREFULLY

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



Fisheries and Oceans  
Pêches et Océans

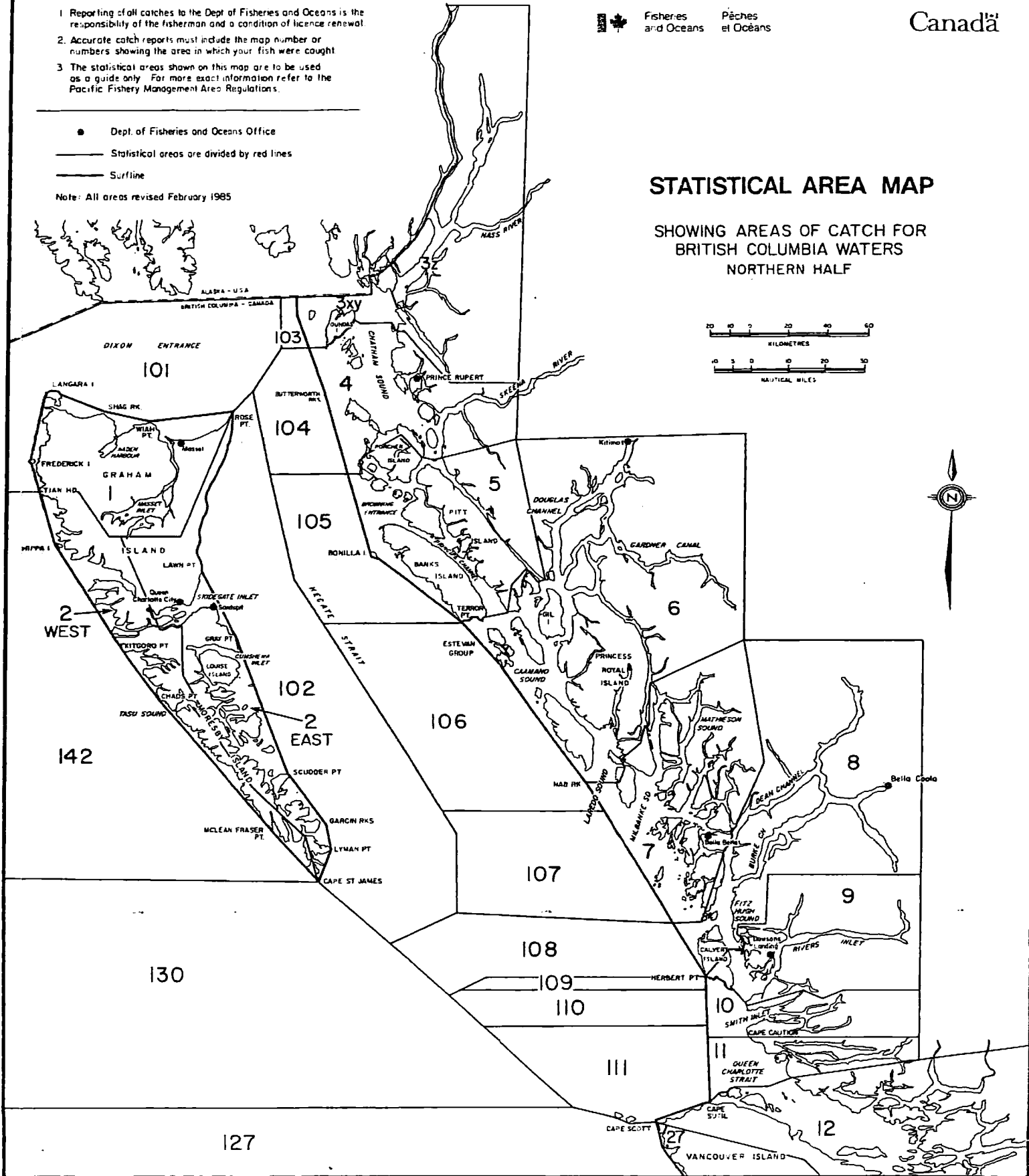
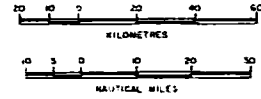
Canada

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

Note: All areas revised February 1985

STATISTICAL AREA MAP

SHOWING AREAS OF CATCH FOR  
BRITISH COLUMBIA WATERS  
NORTHERN HALF





# Tides-Campbell Island, Bella Bella, Lama Passage

based on Ketchikan, Alaska (NOAA)

52° 8 N 128° 8 W

### Average Tides

Mean Range: 9.1 ft  
 MHWS 11.8 ft  
 Mean Tide: 9.3 ft

June, 2001

July, 2001

August, 2001

1 ○ 04:10 5.1L Fr 10:12 12.7H (PDT) 16:15 4.8L 22:34 14.6H	16 ● 03:51 6.0L Sa 09:45 11.4H (PDT) 15:42 6.2L 22:07 13.4H	1 ○ 04:49 4.2L Su 11:02 12.2H (PDT) 16:42 6.0L 22:53 14.6H	16 ● 04:03 5.0L Mo 10:12 11.3H (PDT) 15:49 6.8L 22:07 13.8H	1 ○ 06:15 3.5L We 12:40 12.6H (PDT) 18:11 6.5L	16 ● 05:31 3.0L Th 11:55 12.8H (PDT) 17:32 6.2L 23:38 15.1H
2 ○ 05:08 4.1L Sa 11:15 13.1H (PDT) 17:09 4.9L 23:21 15.1H	17 ● 04:43 5.1L Su 10:47 11.8H (PDT) 16:34 6.2L 22:51 14.0H	2 ○ 05:42 3.5L Mo 12:01 12.6H (PDT) 17:35 6.1L 23:41 14.8H	17 ● 05:00 4.0L Tu 11:17 11.9H (PDT) 16:51 6.6L 23:01 14.4H	2 ○ 00:11 14.3H Th 06:56 3.1L (PDT) 13:20 13.0H 18:54 6.2L	17 ● 06:22 2.0L Fr 12:43 13.7H (PDT) 18:26 5.3L
3 ○ 05:58 3.3L Su 12:10 13.4H (PDT) 17:57 5.0L	18 ● 05:31 4.0L Mo 11:42 12.4H (PDT) 17:24 6.0L 23:34 14.6H	3 ○ 06:29 3.0L Tu 12:50 12.9H (PDT) 18:23 6.1L	18 ● 05:52 2.9L We 12:12 12.7H (PDT) 17:47 6.2L 23:53 15.2H	3 ○ 00:52 14.5H Fr 07:32 2.9L (PDT) 13:55 13.3H 19:32 5.9L	18 ● 00:31 15.9H Sa 07:09 1.3L (PDT) 13:27 14.6H 19:16 4.4L
4 ○ 00:04 15.4H Mo 06:42 2.6L (PDT) 12:59 13.6H 18:41 5.2L	19 ● 06:16 3.0L Tu 12:31 13.0H (PDT) 18:10 5.8L	4 ○ 00:25 14.9H We 07:10 2.7L (PDT) 13:34 13.1H 19:06 6.1L	19 ● 06:40 2.0L Th 13:02 13.4H (PDT) 18:39 5.7L	4 ○ 01:29 14.7H Sa 08:05 2.7L (PDT) 14:28 13.5H 20:08 5.6L	19 ● 01:20 16.4H Su 07:53 0.9L (PDT) 14:09 15.3H 20:04 3.7L
5 ○ 00:45 15.6H Tu 07:24 2.2L (PDT) 13:44 13.8H 19:23 5.4L	20 ● 00:16 15.2H We 06:59 2.1L (PDT) 13:18 13.5H 18:56 5.6L	5 ○ 01:06 15.0H Th 07:49 2.5L (PDT) 14:13 13.3H 19:47 6.0L	20 ● 00:43 15.8H Fr 07:27 1.2L (PDT) 13:48 14.1H 19:28 5.2L	5 ○ 02:04 14.7H Su 08:37 2.8L (PDT) 14:59 13.6H 20:42 5.5L	20 ● 02:09 16.6H Mo 08:36 0.9L (PDT) 14:51 15.7H 20:51 3.3L
6 ○ 01:24 15.5H We 08:03 2.1L (PDT) 14:26 13.7H 20:03 5.6L	21 ● 01:00 15.7H Th 07:43 1.5L (PDT) 14:03 13.9H 19:42 5.5L	6 ○ 01:44 14.9H Fr 08:25 2.5L (PDT) 14:51 13.4H 20:25 6.0L	21 ● 01:32 16.3H Sa 08:12 0.8L (PDT) 14:33 14.6H 20:17 4.7L	6 ○ 02:38 14.6H Mo 09:07 2.9L (PDT) 15:29 13.7H 21:17 5.4L	21 ● 02:56 16.3H Tu 09:19 1.4L (PDT) 15:33 15.8H 21:39 3.2L
7 ○ 02:01 15.3H Th 08:41 2.2L (PDT) 15:06 13.6H 20:42 5.9L	22 ● 01:44 16.0H Fr 08:28 1.1L (PDT) 14:49 14.2H 20:29 5.4L	7 ○ 02:21 14.8H Sa 09:00 2.6L (PDT) 15:26 13.3H 21:03 6.1L	22 ● 02:20 16.4H Su 08:57 0.7L (PDT) 15:17 14.9H 21:06 4.5L	7 ○ 03:12 14.3H Tu 09:37 3.3L (PDT) 15:58 13.6H 21:52 5.4L	22 ● 03:45 15.6H We 10:01 2.2L (PDT) 16:15 15.6H 22:28 3.4L
8 ○ 02:38 15.0H Fr 09:19 2.5L (PDT) 15:46 13.3H 21:21 6.3L	23 ● 02:30 16.0H Sa 09:13 1.0L (PDT) 15:36 14.3H 21:17 5.4L	8 ○ 02:57 14.5H Su 09:34 2.9L (PDT) 16:02 13.2H 21:41 6.2L	23 ● 03:09 16.2H Mo 09:42 1.1L (PDT) 16:02 15.0H 21:57 4.4L	8 ○ 03:46 13.8H We 10:08 3.8L (PDT) 16:29 13.5H 22:30 5.5L	23 ● 04:35 14.7H Th 10:45 3.3L (PDT) 16:59 15.2H 23:21 3.8L
9 ○ 03:16 14.5H Sa 09:57 3.0L (PDT) 16:27 13.0H 22:02 6.6L	24 ● 03:18 15.8H Su 10:00 1.3L (PDT) 16:24 14.2H 22:10 5.5L	9 ○ 03:33 14.1H Mo 10:08 3.3L (PDT) 16:37 13.1H 22:20 6.4L	24 ● 03:59 15.5H Tu 10:28 1.8L (PDT) 16:48 15.0H 22:50 4.5L	9 ○ 04:23 13.2H Th 10:40 4.4L (PDT) 17:00 13.4H 23:12 5.6L	24 ● 05:29 13.5H Fr 11:32 4.6L (PDT) 17:47 14.5H
10 ● 03:54 13.9H Su 10:36 3.6L (PDT) 17:10 12.6H 22:46 7.0L	25 ● 04:09 15.2H Mo 10:49 1.9L (PDT) 17:15 14.2H 23:07 5.7L	10 ○ 04:10 13.5H Tu 10:43 3.8L (PDT) 17:13 12.9H 23:03 6.5L	25 ● 04:52 14.6H We 11:15 2.8L (PDT) 17:36 14.7H 23:49 4.7L	10 ● 05:04 12.5H Fr 11:14 5.1L (PDT) 17:36 13.2H	25 ● 06:32 12.3H Sa 12:25 5.8L (PDT) 18:41 13.8H
11 ● 04:36 13.3H Mo 11:18 4.2L (PDT) 17:56 12.4H 23:36 7.3L	26 ● 05:05 14.4H Tu 11:41 2.7L (PDT) 18:09 14.0H	11 ● 04:51 12.9H We 11:20 4.5L (PDT) 17:52 12.8H 23:52 6.6L	26 ● 05:50 13.5H Th 12:05 3.9L (PDT) 18:28 14.4H	11 ● 00:00 5.7L Sa 05:53 11.8H (PDT) 11:55 5.9L 18:19 13.0H	26 ● 01:29 4.9L Su 07:49 11.5H (PDT) 13:30 6.9L 19:46 13.2H
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# Tides-Campbell Island, Bella Bella, Lama Passage

based on Ketchikan, Alaska (NOAA)  
52° 8' N 128° 8' W

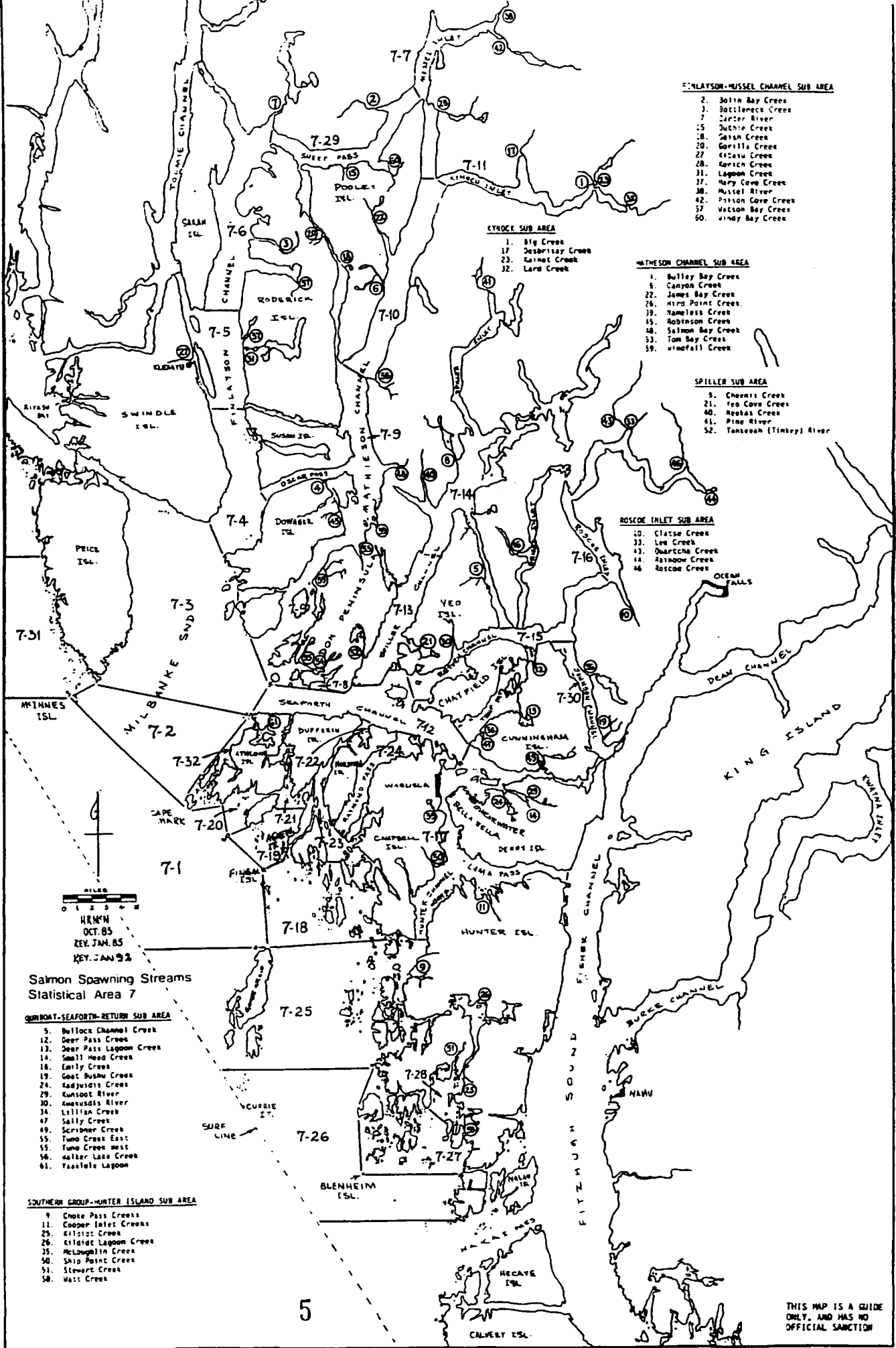
Average Tides	
Mean Range:	9.1 ft
MHWS	11.8 ft
Mean Tide:	9.3 ft

September, 2001

October, 2001

November, 2001

<p>1 ○ 00:37 14.2H Sa 07:09 3.4L (PDT) 13:28 13.6H 19:14 5.4L</p>	<p>16 ● 00:19 15.7H Su 06:47 1.8L (PDT) 13:01 15.3H 19:02 3.6L</p>	<p>1 ○ 00:51 14.3H Mo 07:06 3.9L (PDT) 13:20 14.4H 19:23 4.3L</p>	<p>16 ● 00:56 15.8H Tu 07:04 2.8L (PDT) 13:12 16.5H 19:32 2.1L</p>	<p>1 ○ 00:38 14.3H Th 06:31 5.0L (PST) 12:37 15.4H 19:03 2.9L</p>	<p>16 ● 01:17 15.0H Fr 07:03 4.9L (PST) 13:03 16.6H 19:39 1.8L</p>
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<p>10 ○ 00:20 5.2L Mo 06:30 11.4H (PDT) 12:10 7.1L 18:27 13.0H</p>	<p>25 ● 02:10 5.5L Tu 08:53 11.3H (PDT) 14:25 8.0L 20:25 12.3H</p>	<p>10 ○ 01:07 4.9L We 07:41 11.6H (PDT) 13:15 8.0L 19:22 12.8H</p>	<p>25 ● 02:40 5.9L Th 09:28 12.0H (PDT) 15:18 8.1L 20:18 12.0H</p>	<p>10 ○ 02:12 4.7L Sa 08:42 13.7H (PST) 14:56 6.3L 20:55 13.4H</p>	<p>25 ○ 02:37 6.4L Su 09:10 13.2H (PST) 15:29 6.6L 21:23 12.2H</p>
<p>11 ○ 01:33 5.3L Tu 07:54 11.1H (PDT) 13:26 7.7L 19:44 12.9H</p>	<p>26 ● 03:32 5.5L We 10:12 11.7H (PDT) 15:51 7.8L 21:45 12.4H</p>	<p>11 ○ 02:29 4.9L Th 09:06 12.1H (PDT) 14:52 7.7L 20:53 13.0H</p>	<p>26 ○ 03:48 5.9L Fr 10:25 12.5H (PDT) 16:23 7.3L 22:12 12.4H</p>	<p>11 ● 03:14 4.5L Su 09:35 14.6H (PST) 15:56 5.0L 22:00 14.0H</p>	<p>26 ○ 03:27 6.3L Mo 09:50 13.8H (PST) 16:14 5.7L 22:15 12.6H</p>
<p>12 ○ 02:56 5.0L We 09:26 11.4H (PDT) 14:59 7.6L 21:10 13.2H</p>	<p>27 ○ 04:38 5.2L Th 11:09 12.3H (PDT) 16:54 7.2L 22:48 12.9H</p>	<p>12 ○ 03:44 4.4L Fr 10:14 12.9H (PDT) 16:10 6.7L 22:11 13.7H</p>	<p>27 ○ 04:40 5.6L Sa 11:06 13.1H (PDT) 17:10 6.5L 23:05 12.9H</p>	<p>12 ● 04:08 4.3L Mo 10:22 15.5H (PST) 16:47 3.7L 22:56 14.6H</p>	<p>27 ○ 04:10 6.2L Tu 10:25 14.4H (PST) 16:53 4.7L 23:00 13.1H</p>
<p>13 ○ 04:10 4.2L Th 10:39 12.2H (PDT) 16:19 7.0L 22:24 14.0H</p>	<p>28 ○ 05:26 4.8L Fr 11:50 12.9H (PDT) 17:40 6.4L 23:36 13.4H</p>	<p>13 ● 04:45 3.8L Sa 11:07 14.0H (PDT) 17:11 5.4L 23:14 14.6H</p>	<p>28 ○ 04:21 5.3L Su 10:41 13.7H (PST) 16:49 5.6L 22:48 13.4H</p>	<p>13 ● 04:55 4.2L Tu 11:05 16.2H (PST) 17:33 2.7L 23:46 15.0H</p>	<p>28 ○ 04:49 6.0L We 10:59 14.9H (PST) 17:30 3.8L 23:41 13.6H</p>
<p>14 ● 05:10 3.3L Fr 11:33 13.3H (PDT) 17:22 5.9L 23:26 14.9H</p>	<p>29 ○ 06:04 4.4L Sa 12:23 13.5H (PDT) 18:17 5.7L</p>	<p>14 ● 05:36 3.2L Su 11:52 15.0H (PDT) 18:01 4.1L</p>	<p>29 ○ 04:57 5.1L Mo 11:11 14.3H (PST) 17:24 4.7L 23:27 13.8H</p>	<p>14 ● 05:40 4.3L We 11:45 16.7H (PST) 18:16 2.0L</p>	<p>29 ○ 05:26 5.9L Th 11:32 15.4H (PST) 18:06 3.1L</p>
<p>15 ● 06:01 2.4L Sa 12:19 14.3H (PDT) 18:15 4.7L</p>	<p>30 ○ 00:16 13.9H Su 06:37 4.1L (PDT) 12:52 14.0H 18:51 5.0L</p>	<p>15 ● 00:07 15.3H Mo 06:22 2.8L (PDT) 12:33 15.9H 18:48 2.9L</p>	<p>30 ○ 05:29 4.9L Tu 11:40 14.8H (PST) 17:57 3.9L</p>	<p>15 ● 00:32 15.1H Th 06:22 4.5L (PST) 12:25 16.8H 18:58 1.7L</p>	<p>30 ○ 00:20 14.0H Fr 06:03 5.9L (PST) 12:06 15.8H 18:44 2.5L</p>
			<p>31 ○ 00:03 14.1H We 06:00 4.9L (PST) 12:08 15.2H 18:30 3.3L</p>		



**FITZPATRICK-MUSSEL CHANNEL SUB AREA**

2. John Bay Creek
3. Bottleneck Creek
7. Carter River
15. Jubilee Creek
18. Gaitan Creek
20. Gorilla Creek
27. Gaitan Creek
28. Karsch Creek
31. Lagoon Creek
37. Mary Cove Creek
38. Mussel River
42. Poison Cove Creek
57. Matson Bay Creek
60. Windy Bay Creek

**CYNOC SUB AREA**

1. Big Creek
17. Desbrisay Creek
23. Kaimet Creek
32. Lane Creek

**MATSON CHANNEL SUB AREA**

1. Bulley Bay Creek
5. Canyon Creek
22. James Bay Creek
26. Hird Point Creek
39. Nameless Creek
45. Robinson Creek
48. Salmon Bay Creek
53. Tom Bay Creek
59. Windfall Creek

**SPILLER SUB AREA**

9. Cheesit Creek
21. Teo Cove Creek
40. Agabas Creek
41. Pine River
52. Tansheeh (Tinkey) River

**ROSCOE INLET SUB AREA**

20. Clatsop Creek
33. Lee Creek
43. Quarccha Creek
44. Rastook Creek
46. Roscoe Creek

**Salmon Spawning Streams Statistical Area 7**

**QUINCY-SEAFORTH-RETURN SUB AREA**

5. Bullock Channel Creek
12. Deer Pass Creek
13. Deer Pass Lagoon Creek
14. Small Head Creek
16. Early Creek
19. Goat Bushy Creek
24. Kadjusda's Creek
29. Kussoot River
30. Kussood's River
34. Lillian Creek
47. Sally Creek
49. Scripner Creek
55. Tuno Creek East
55. Tuno Creek West
56. Walter Lake Creek
61. Teasdale Lagoon

**SOUTHERN GROUP-HUNTER ISLAND SUB AREA**

9. Choke Pass Creeks
11. Cooper Inlet Creeks
25. Kildist Creek
26. Kildist Lagoon Creek
35. McLaughlin Creek
50. Ship Point Creek
51. Stewart Creek
58. Watt Creek

0 1 2 3 4  
 MILES  
 HRMN  
 OCT. 85  
 REV. JAN. 85  
 REV. JAN. 92

**AREA 7 - BELLA BELLA SUB-DISTRICT**

<b>1. Preseason Expectations - Net Fishery:</b>							
	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
Expected Return	N/A	N/A	232,200	257,500	N/A	N/A	N/A
Target Escapement		N/A	440,720	311,950		N/A	N/A
Surplus	N/A	N/A	22,847	48,176	N/A	N/A	N/A

<b>2. Postseason Catch</b>							
	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
<u>Commercial Field Catches</u>							
Seine	1	1,703	744	19,285			
Gillnet	14	519	929	20,108			
Total Net	15	2,222	1,673	39,393	0	0	0
Troll	Unk	Unk	Unk	Unk	Unk	Unk	Unk
<u>Sport Catches</u>							
Tidal	2	2,626	1,142	66	1,704	0	0
Non-Tidal	Unk	Unk	Unk	Unk	Unk	Unk	Unk
Total	2	2,626	1,142	66	1,704	0	0
<u>IFF Catches</u>							
Tidal	11,815	753	287	573	123	0	46
Non-Tidal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	11,815	753	287	573	123	0	46

<b>3. Escapement</b>							
	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
2000			189,900	169,520			
Target	24,200	N/A	440,720	311,950	N/A	N/A	N/A

<b>4. Commercial Fishery Stats:</b>					
	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Date of CFB</u>	<u>Total Days Fishing</u>	<u>Total Accum Effort</u>
Seine	21-Aug	11-Sep	13-Oct	3	29
Gillnet	21-Aug	11-Sep	13-Oct	2	145
Troll	N/A	N/A	N/A	Unk	Unk

Commercial field net catches from in season catch database.

5. Proposed General Fishing Plan:

Revised fishing plans as per the expectation meeting on Nov 18/99.

2000 SALMON EXPECTATIONS - AREA 7

**Pink:** There is a surplus of approximately 22,000 Pink to Area 7 with surpluses going to the Carter and Kainet systems.

**Chum:** There is total surplus of approximately 50,000. Surpluses are to the Mussel, Neekas, Quartcha and Roscoe Rivers.

Hatchery Chum:

Kitasu Creek hatchery is expecting a surplus of 8,000 Chum.

McLoughlin Creek Hatchery is expecting a surplus of 26,600 Chum. This will provide directed fisheries in Lama Pass.

PROPOSED FISHING PATTERN

Effective Date	Action
July 31 (Mon)	Open to gillnets and seines for 1 day in Subarea 7-12.
August 21 (Mon)	Open to gillnets for 1 day in Subareas 7-4 (North of Oscar Pass), 7-5 and 7-6 (South of Denton Point). The Mary Cove and Sockeye Creek $\frac{1}{2}$ mile radius boundaries will be in effect to conserve Sockeye.
August 28 (Mon)	Open to gillnets and seines for 1 day in 7-13.  Open to seines for 12 hours in a portion of Subarea 7-17 between Story Point and Archibald Point targeting McLoughlin Hatchery Chum. Gear types will alternate as in previous years.

**Notes:**

1. The first inseason advisory board meeting will be held Thursday morning July 27, 2000 in Bella Bella.
2. The opening date for Finlayson Channel will be reviewed at the inseason advisory board meeting and may be moved forward.
3. The opening date for fishing in Lower Roscoe and Johnson Channel will be discussed at inseason advisory board meeting.
4. Short notice announcements and/or short duration fisheries may be held after August 14<sup>th</sup>. The announcement times may be such that only vessels currently on the grounds will be able to participate. These actions are necessary to ensure safe fisheries and manageable fleet sizes when harvesting limited surpluses in confined areas.
5. DFO will attempt to harvest surplus and Chum returning to Kitasoo Hatchery in Finlayson Channel. If surpluses are not caught in Finlayson Channel, fisheries in the Klemtu Pass area may be considered subject to conservation concerns and native food fish requirements. Openings targeting on Kitasoo Creek Hatchery stocks in terminal areas would only be considered after August 21st and would follow the pattern of gillnets fishing first and seines second.

Coho non-retention will be in effect.

1. Commercial Net Fishery Summary:

Coho non retention was in effect for all net fisheries this year except McLoughlin Bay where coho could be retained because they were of hatchery origin.

Gillnet and Seine fisheries were open in Finlayson Channel for 1 week this year but no one fished.

Seine fisheries in Lama Pass targeting on McLaughlin Bay Hatchery stocks occurred on and September 4 for seines with 13 boats catching approximately 14,000 chum and 1700 coho. Gillnet fisheries occurred on September 11 and 21 where 26 gillnets fished in the first opening and 16 operated on September 21. The total catch for these two fisheries was approximately 8700 chum and 600 coho. In these fisheries the fleet were allowed to keep Coho because they were of Mcloughin hatchery origin. The sanctuary boundary was left in place to protect Coho brood stock and provide good quality chum. This year the hatchery had difficulty getting their Coho brood stock.

Spiller Channel was open for seines and gillnets on Sept 4 and 11<sup>th</sup> where 35 gillnets and 2 seines operated the first week and 27 gillnets and 11 seines operated on the second week. The total

Chum catch for both gear types for both fisheries was approximately 7000 Chum for gillnets and 4400 chum for seines. Most of the chum targeted in this fishery area presumed to be of Neekas River origin

Two opening occurred in lower Roscoe Inlet and Johnson Channel for seines and gillnets on September 4 and 11 with between 18 and 23 gillnets and 1 to 2 seines. The gillnet catch was approximately 4500 chum while the seines caught just under 1000 chum.

See Appendix I for a complete summary of Area 7 weekly net catches.

#### 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, Seaforth Channel between St. Johns and Idol Point and in the Tinkey River area.

The known charter operators and sport lodges operating in Area 7 in 2000 are summarised as follows:

- St. Johns Fishing Lodge - floating resort located in St. Johns Harbour
- West Coast Resorts - floating resort located in St. Johns Harbour
- Shearwater Resort - land based at Shearwater on Denny Island
- Pacific Lure - based out of Shearwater on Denny Island
- Ocean Explorer - vessel fishing various locations in Area 7
- Parry - vessel fishing various locations in Area 7
- Union Jack - vessel fishing various locations in Area 7

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

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

### Summary:

Communal Licences were issued to the Heiltsuk and Kitasoo/XAIXAI First Nations for the 2000 fishing season. Both First Nations administered their own FSC fisheries by issuing licences to individual members and collecting catch statistics.

The primary areas fished by the Heiltsuk were Milbank, Lama Pass and Seaforth/Spiller. The primary areas fished by the Kitasoo/XAIXAI were in Area 6 - the Canoona and Kwa Kwa Rivers and Kent Inlet for sockeye and Area 7 for chum, pink and Coho.

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

### 9. Escapement Summary:

Pink escapements to the streams in Area 7 were strong this year. Systems like the Carter and Neekas exceeded target escapements while other Pinks systems were generally acceptable.

Chum returns to most of the Key Streams in Area 7 were reasonable even though the overall chum return to the area was low.

### 10. Current Year/Target Escapement Comparison - Key Steams

#### Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Mussel (Bear)	50000	32000	64
Kainet	75000	30000	40
Carter	10000	18000	180
James Bay	15000	15000	100
Nameless	20000	N/I	
Salmon Bay	20000	9000	45
Neekas	35000	42000	140
Kwakusdis	20000	5500	28
Kunsoot	10000	4000	40
Quartcha	8000	3000	38
Clatse	30000	8000	27
Cooper Inlet	20000	2000	10

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Mussel (Bear)	40000	25000	63
Kainet	50000	47000	94
Nameless	5000	N/I	
Salmon Bay	10000	5100	51
Neekas	30000	31000	110
Kwakusdis	20000	5000	25
Kunsoot	8500	2000	24
Roscoe	50000	25000	50
Quartcha	5000	5100	102
Clatse	10000	3500	35
Cooper Inlet	15000	2500	17

11. Appendices:

- Appendix I - Area 7 Weekly Net Catch Summary For 2000.
- Appendix II - Area 7 Sport Fishery Catch Summary For 2000.
- Appendix III - Area 7 Native Food, Social and Ceremonial Fishery Catch Summary For 2000.
- Appendix IV - Area 7 Escapement Summary For 2000.

AREA 7 Finlayson Channel				GN CATCH					06-Nov-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
35 084		21-Aug-00	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

AREA 7 Spiller				GN CATCH					17-Oct-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
37 092		04-Sep-00	35	1	0	252	3065	0	0	0
		TFW	35	1	0	252	3065	0	0	0
		TTD	35	1	0	252	3065	0	0	0
38 093		11-Sep-00	27	0	0	30	3877	0	0	0
		TFW	27	0	0	30	3877	0	0	0
		TTD	62	1	0	282	6942	0	0	0

AREA 7 Roscoe				GN CATCH					17-Oct-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
37 092		04-Sep-00	23	0	0	47	2687	0	0	0
		TFW	23	0	0	47	2687	0	0	0
		TTD	23	0	0	47	2687	0	0	0
38 093		11-Sep-00	18	1	0	8	1824	0	0	0
		TFW	18	1	0	8	1824	0	0	0
		TTD	41	1	0	55	4511	0	0	0

AREA 7 McLaughlin Bay				GN CATCH					17-Oct-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
35 084		21-Aug-00	26	12	392	559	7527	0	0	0
		TFW	26	12	392	559	7527	0	0	0
		TTD	26	12	392	559	7527	0	0	0
38 093		11-Sep-00	16	0	127	33	1128	0	0	0
		TFW	16	0	127	33	1128	0	0	0
		TTD	42	12	519	592	8655	0	0	0

**AREA 7 Finlayson Channel****SN CATCH**

17-Oct-00

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
35 084		21-Aug-00	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

**AREA 7 Spiller****SN CATCH**

17-Oct-00

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
37 092		04-Sep-00	2	0	0	7	78	0	0	0
		TFW	2	0	0	7	78	0	0	0
		TTD	2	0	0	7	78	0	0	0
38 093		11-Sep-00	11	0	0	37	4318	0	0	0
		TFW	11	0	0	37	4318	0	0	0
		TTD	13	0	0	44	4396	0	0	0

**AREA 7 Roscoe****SN CATCH**

17-Oct-00

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
37 092		04-Sep-00	2	0	0	0	840	0	0	0
		TFW	2	0	0	0	840	0	0	0
		TTD	2	0	0	0	840	0	0	0
38 093		11-Sep-00	1				70			
		TFW	1				70			
		TTD	3	0	0	0	910	0	0	0

**AREA 7 McLaughlin Bay****SN CATCH**

17-Oct-00

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
37 092		04-Sep-00	13	1	1703	700	13979	0	0	0
		TFW	13	1	1703	700	13979	0	0	0
		TTD	13	1	1703	700	13979	0	0	0

AREA 7 Finlayson Channel				TOTAL NET CATCH					17-Oct-00	
Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
35 084	21-Aug-00	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	

AREA 7 Spiller				TOTAL NET CATCH					17-Oct-00	
Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
37 092	04-Sep-00	37	1	0	259	3143	0	0	0	
	TFW	37	1	0	259	3143	0	0	0	
	TTD	37	1	0	259	3143	0	0	0	
38 093	11-Sep-00	38	0	0	67	8195	0	0	0	
	TFW	38	0	0	67	8195	0	0	0	
	TTD	76	1	0	326	11338	0	0	0	

AREA 7 Roscoe				TOTAL NET CATCH					17-Oct-00	
Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
37 092	04-Sep-00	25	0	0	47	3527	0	0	0	
	TFW	25	0	0	47	3527	0	0	0	
	TTD	25	0	0	47	3527	0	0	0	
38 093	11-Sep-00	19	1	0	8	1894	0	0	0	
	TFW	19	1	0	8	1894	0	0	0	
	TTD	44	1	0	55	5421	0	0	0	

AREA 7 McLaughlin Bay				TOTAL NET CATCH					17-Oct-00	
Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
35 084	21-Aug-00	26	12	392	559	7527	0	0	0	
	TFW	26	12	392	559	7527	0	0	0	
	TTD	26	12	392	559	7527	0	0	0	
37 092	04-Sep-00	13	1	1703	700	13979	0	0	0	
	TFW	13	1	1703	700	13979	0	0	0	
	TTD	39	13	2096	1259	21506	0	0	0	
38 093	11-Sep-00	16	0	127	33	1128	0	0	0	
	TFW	16	0	127	33	1128	0	0	0	
	TTD	55	13	2222	1292	22634	0	0	0	

AREA 7			GN TOTAL CATCH							09-Nov-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
35 084		21-Aug-00	26	12	392	559	7527	0	0	0	
		TFW	26	12	392	559	7527	0	0	0	
		TTD	26	12	392	559	7527	0	0	0	
37 092		04-Sep-00	58	1	0	299	5752	0	0	0	
		TFW	58	1	0	299	5752	0	0	0	
		TTD	84	13	392	858	13279	0	0	0	
38 093		11-Sep-00	61	1	127	71	6829	0	0	0	
		TFW	61	1	127	71	6829	0	0	0	
		TTD	145	14	519	929	20108	0	0	0	

AREA 7			SN TOTAL CATCH							09-Nov-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
35 084		21-Aug-00	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	
37 092		04-Sep-00	17	1	1703	707	14897	0	0	0	
		TFW	17	1	1703	707	14897	0	0	0	
		TTD	17	1	1703	707	14897	0	0	0	
38 093		11-Sep-00	12	0	0	37	4388	0	0	0	
		TFW	12	0	0	37	4388	0	0	0	
		TTD	29	1	1703	744	19285	0	0	0	

AREA 7			TOTAL NET CATCH							09-Nov-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
35 084		21-Aug-00	26	12	392	559	7527	0	0	0	
		TFW	26	12	392	559	7527	0	0	0	
		TTD	26	12	392	559	7527	0	0	0	
37 092		04-Sep-00	75	2	1703	1006	20649	0	0	0	
		TFW	75	2	1703	1006	20649	0	0	0	
		TTD	101	14	2095	1565	28176	0	0	0	
38 093		11-Sep-00	73	1	127	108	11217	0	0	0	
		TFW	73	1	127	108	11217	0	0	0	
		TTD	174	15	2222	1673	39393	0	0	0	

Appendix II - 2000 Area 7 Sportfish Resort Weekly Catch

Week	Week Ending	Angler Days	Rod Days	Sock	Coho	Pink	Chum	Chin	Hali	Ling	Rock	Shell fish
28	10-Jul	48	48	0	9	0	0	3	0	21	13	0
29	17-Jul	330	334	0	60	19	0	69	21	137	181	0
30	24-Jul	558	687	0	103	61	2	95	104	250	373	0
31	31-Jul	837	1128	0	282	347	2	156	140	122	297	0
32	07-Aug	939	1235	1	453	373	15	286	159	159	259	0
33	14-Aug	860	1161	0	432	160	13	490	106	193	396	0
34	21-Aug	956	1118	1	428	106	16	329	114	165	393	0
35	28-Aug	796	1076	0	409	58	3	187	113	193	287	0
36	04-Sep	753	900	0	313	17	7	76	85	171	305	0
37	11-Sep	177	177	0	120	1	7	12	9	23	37	0
38	18-Sep	22	22	0	17	0	1	1	0	0	0	0
39	25-Sep	0	0	0	0	0	0	0	0	0	0	0
TFY		6276	7886	2	2626	1142	66	1704	851	1434	2541	0

Lodges/Resorts operating in Area 7

St Johns, West Coast Resorts, Shearwater, Pacific Lure, parry, Union Jack, Ocean Explorer

Appendix III - 2000 KITASOO/XAIXAI - FSC Weekly Catches in Area 7

Week	Week Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Sthd. Kept
25	17-Jun							
26	24-Jun	6	108	1	0	0	0	5
27	1-Jul	7	323	15	4	8	0	6
28	8-Jul	12	1,434	13	16	3	0	0
29	15-Jul	7	1,363	11	1	2	0	0
30	22-Jul	2	421	0	0	0	0	0
31	29-Jul	1	53	0	0	0	0	0
32	5-Aug	1	40	26	0	0	0	0
33	12-Aug	1	0	31	0	0	0	0
34	19-Aug							
35	26-Aug	2	410	0	0	20	0	0
36	2-Sep							
37	9-Sep	20		250				
38	16-Sep							
39	23-Sep							
40	30-Sep							
41	7-Oct	50				73		
<b>TOTAL</b>		<b>109</b>	<b>4,152</b>	<b>347</b>	<b>21</b>	<b>106</b>	<b>0</b>	<b>11</b>

FSC Catch by Location

Location	sockeye	coho	pink	chum	chinook	steelhead	atlantic
Sockeye Creek	253	31	0	0	0	0	0
Kwa Kwa Creek*	2416	10	5	70	0	0	0
Canoona Creek*	299	0	10	10	0	11	0
Price Creek*	0	0	0	0	0	0	0
Steep Creek*	0	7	0	0	0	0	0
Kent Inlet*	240	20	0	20	0	0	0
Klemtu Pass	0	250	0	0	0	0	0
Wilby Point	0	0	0	0	0	0	0
Mary's Cove	623	29	6	6	0	0	0
Kitasu Bay	321	0	0	0	0	0	0
<b>Total</b>	<b>4152</b>	<b>347</b>	<b>21</b>	<b>106</b>	<b>0</b>	<b>11</b>	<b>0</b>

\* Located in Area 6

Appendix III - 2000 Heiltsuk - FSC Weekly Catches in Area 7

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
16	15-Apr							
17	22-Apr							
18	29-Apr							
19	6-May							
20	13-May							
21	20-May							
22	27-May							
23	3-Jun							
24	10-Jun							
25	17-Jun	1	0	0	0	0	2	0
26	24-Jun	3	41	0	0	0	0	0
27	1-Jul	4	128	12	0	47	0	4
28	8-Jul	9	425	33	82	41	5	0
29	15-Jul	17	517	14	25	65	1	0
30	22-Jul	14	711	39	70	34	1	0
31	29-Jul	5	52	1	259	31	0	1
32	5-Aug	8	174	11	74	76	3	0
33	12-Aug	7	106	79	42	81	5	0
34	19-Aug	6	61	29	142	198	1	0
35	26-Aug	4	37	5	44	54	0	0
36	2-Sep	1	0	10	20	50	0	0
37	9-Sep	1	0	8	0	7	0	0
38	16-Sep							
39	23-Sep							
<b>TOTAL</b>		<b>80</b>	<b>2,252</b>	<b>241</b>	<b>758</b>	<b>684</b>	<b>18</b>	<b>5</b>

Appendix IV. 2000 Area 7 Escapements.

STREAM NAME	SX	CO	PK	CM	CK
-------------	----	----	----	----	----

FINLAYSON - MUSSEL CHANNEL

BOTTLENECK CREEK					
CARTER RIVER			18,000	1,300	
DUTHIE CREEK			2,400	3,000	
GEISH CREEK					
GORILLA CREEK			50	350	
GREEN BAY CREEK (BOLIN BAY CR.)			4,700	1,600	
KITASOO CREEK		750	170	1,100	
KLEMTU CREEK					
KORICH CREEK			2,400		
LAGOON CREEK	500		200	150	
MARY COVE CREEK	60		170		
MUSSEL RIVER (BEAR R.)			32,000	25,000	
POISON COVE CREEK			500	500	
WATSON BAY CREEK			400	220	
WINDY BAY CREEK			200	130	
TOTAL	560	750	61,190	33,350	0

GUNBOAT - SEAFORTH - RETURN

BULLOCK CHANNEL CREEKS (4)			100	200	
GOAT BUSHU CREEK					
KAKUSHDISH CREEK (KADJUSDIS CR.)			4,000	100	
KUNSOOT RIVER			4,000	2,000	
KWAKUSDIS RIVER		100	5,500	5,000	
SCRIBNER CREEK			500	50	
WALKER LAKE CREEK			UNK	UNK	
TOTAL	0	100	14,100	7,350	0

KYNOCK

BIG CREEK					
FALLIS CREEK (DEBRISAY BAY CR.)			4,800	1,800	
KAINET CREEK			30,000	47,000	
LARD CREEK					
TOTAL	0	0	34,800	48,800	0

MATHIESON CHANNEL

BULLEY BAY CREEK					
CANYON CREEK			400	600	
HIRD POINT CREEK					
JAMES BAY CREEK			15,000	1,200	
ROBINSON CREEKS (3)					
SALMON BAY CREEK			9,000	5,100	
TOM BAY CREEK					
WINDFALL CREEK					
TOTAL	0	0	24,400	6,900	0

Appendix IV. 2000 Area 7 Escapements.

STREAM NAME	SX	CO	PK	CM	CK
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**ROSCOE INLET**

CLATSE CREEK			8,000	3,500	
LEE CREEK			UNK	1,800	
QUARTCHA CREEK		500	3,000	5,100	
RAINBOW CREEK			N/O	120	
ROSCOE CREEK		2,000	200	25,000	
<b>TOTAL</b>	<b>0</b>	<b>2,500</b>	<b>11,200</b>	<b>35,520</b>	<b>0</b>

**SOUTHERN GROUP - HUNTER ISLAND**

COOPER INLET CREEKS (4) (ADA COVE CR.)	25		2,000	2,500	
STEWART CREEK					
MCLAUGHLIN BAY CREEK				2,000	
WATT CREEK					
<b>TOTAL</b>	<b>25</b>	<b>0</b>	<b>2,000</b>	<b>4,500</b>	<b>0</b>

**SPILLER**

CHEENIS LAKE CREEK			200	2,000	
PINE RIVER	6	300	10	50	
YEO COVE CREEK				50	
NEEKAS CREEK		100	42,000	31,000	
<b>TOTAL</b>	<b>6</b>	<b>400</b>	<b>42,210</b>	<b>33,100</b>	<b>0</b>

<b>TOTAL AREA 7</b>	<b>591</b>	<b>3,750</b>	<b>189,900</b>	<b>169,520</b>	<b>0</b>
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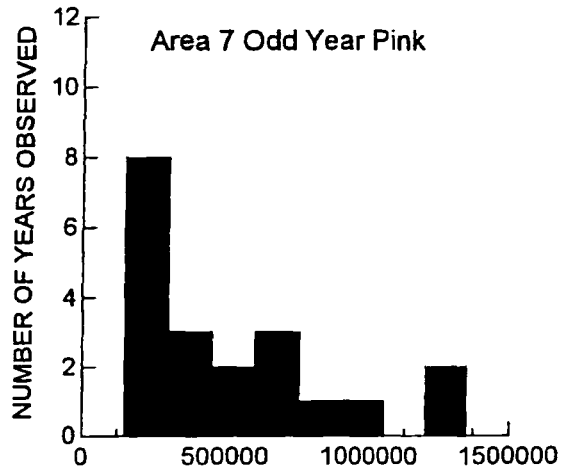
AREA 7 PINK EXPECTATIONS - 2001

SUB AREA:	STOCKS	YEAR	BROOD ESC	% AGE COMP	RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
FINLAYSON-MUSSEL	Mussel River	1999	33000	100		66990	50000	16990	NA
	Carter River	1999	18000	100		36540	10000	26540	NA
	Others (12)	1999	8770	100		17803	47450	0	-29647
KYNOCHE	Kainet Creek	1999	40000	100		81200	75000	6200	NA
	Others (3)	1999	3300	100		6699	11750	0	-5051
SPILLER	Neekas River	1999	12000	100		24360	35000	0	-10640
	Others (4)	1999	300	100		609	12200	0	-11591
MATHIESON	James Bay Creek	1999	20000	100		40600	15000	25600	NA
	Nameless Creek	1999	N/I	100		0	20000	0	-20000
	Salmon Bay Creek	1999	1000	100		2030	20000	0	-17970
	Others (6)	1999	950	100		1725	15200	0	-13475
ROSCOE	Quartcha River	1999	5200	100		10556	8000	2556	NA
	Clatse River	1999	20000	100		40600	30000	10600	NA
	Others (3)	1999	1500	100		3045	22010	0	-18965
GUNBOAT-SEAFORTE- RETURN	Kwakusdis River	1999	5000	100		10150	20000	0	-9850
	Kunsoot River	1999	5000	100		10150	10000	150	NA
	Others (10)	1999	1600	100		3248	14910	0	-11662
SOUTHERN GROUP HUNTER ISLAND	Cooper Inlet Creeks	1999	6500	100		13195	20000	0	-6805
	Others (7)	1999	Unk	100			4200	0	-4200
ACTIVE STOCKS (12) =						336370	313000	88636	
OTHERS (45) =						33130	127720	0	
TOTAL =						369500	440720	88636	

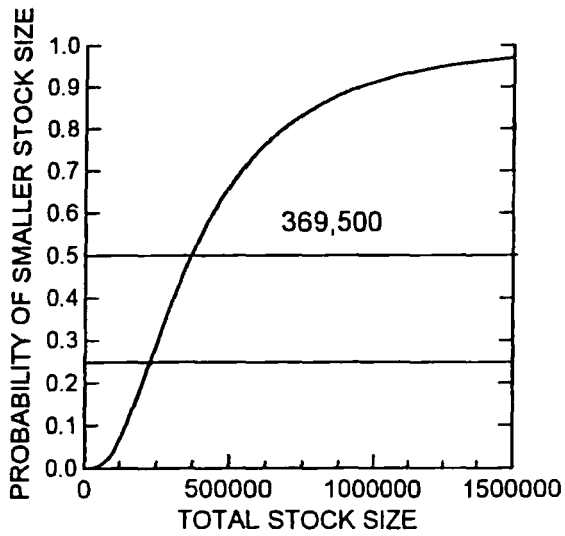
The forecast for Area 7 Pink was prepared by the Stock Assessment Division. Projected returns to individual systems was determined by proportioning the total Area 7 forecast by brood year escapements.

The forecast has a 50% probability that the returning run could be higher.

A. Historical distribution of stock sizes



B. Forecast of stock s in 2001



The forecasted cumulative probability distribution for total stock size in 2001 for Area 7 pink salmon

AREA 7 CHUM EXPECTATIONS - 2001

SUB AREA:	STOCKS	YEAR	BROOD ESC	% AGE COMP	AGE SPECIFIC RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT	
FINLAYSON-MUSSEL	Muskel River	1998	82000	20.29			40000	34278	NA	
		1997	28000	68.54						
		1996	40000	11.17						
						Total=	74278			
	Others (12)	1998	42730	20.29				13750	19212	NA
		1997	14345	68.54						
1996		9490	11.17							
					Total=	32962				
KYNOCHE	Kainet River	1998	57000	20.29			50000	2985	NA	
		1997	27000	68.54						
		1996	23000	11.17						
						Total=	52985			
	Others (3)	1998	6900	20.29				3500	4968	NA
		1997	6700	68.54						
1996		3500	11.17							
					Total=	8468				
SPILLER	Neekas River	1998	26000	20.29			30000	16548	NA	
		1997	37000	68.54						
		1996	31000	11.17						
						Total=	46548			
	Others (5)	1998	1500	20.29				7000	0	-6059
		1997	M/I	68.54						
1996		400	11.17							
					Total=	941				
MATHIESON	Nameless Creek	1998	1000	20.29			5000	0	-4381	
		1997	250	68.54						
		1996	Unk	11.17						
						Total=	619			
	Salmon Bay Creek	1998	4100	20.29				10000	0	-3860
		1997	3100	68.54						
		1996	5200	11.17						
						Total=	6140			
	Others (7)	1998	6800	20.29				10750	0	-4535
		1997	3350	68.54						
		1996	2400	11.17						
						Total=	6215			

AREA 7 CHUM EXPECTATIONS - 2001

SUB AREA:	STOCKS	YEAR	BROOD ESC	% AGE COMP	AGE SPECIFIC RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
ROSCOE	Clatsa River	1998	7000	20.29			10000	1389	NA
		1997	5000	68.54					
		1996	11000	11.17					
						Total=	11389		
	Quartcha River	1998	9000	20.29			5000	5894	NA
		1997	4000	68.54					
		1996	9000	11.17					
						Total=			
	Roscoe River	1998	60000	20.29			50000	47552	NA
		1997	56000	68.54					
		1996	81000	11.17					
						Total=			
Others (2)	1998	1500	20.29			3150	0	-1318	
	1997	1200	68.54						
	1996	1000	11.17						
					Total=				1832
GUNBOAT-SEAFORTH-RETURN	Kwakusdis River	1998	8000	20.29			20000	0	-11087
		1997	10000	68.54					
		1996	Unk	11.17					
						Total=	8913		
	Kunsoot River	1998	1000	20.29			8500	0	-8005
		1997	N/I	68.54					
		1996	N/I	11.17					
						Total=			
	Others (10)	1998	3800	20.29			26600	0	-19467
		1997	1830	68.54					
		1996	8775	11.17					
						Total=			
SOUTHERN GROUP HUNTER ISLAND	Cooper Inlet Creeks	1998	2000	20.29			15000	0	-11445
		1997	180	68.54					
		1996	5000	11.17					
						Total=	3555		
	Others (7)	1998	2000	20.29			3700	0	-1719
		1997	2000	68.54					
		1996	Unk	11.17					
						Total=			
						ACTIVE STOCKS (11)=	313369	243500	108645
						OTHERS (46)=	59531	68450	24180
						TOTAL=	372900	311950	132825

Hatchery surplus based on S.E.P. expectations for 2001:

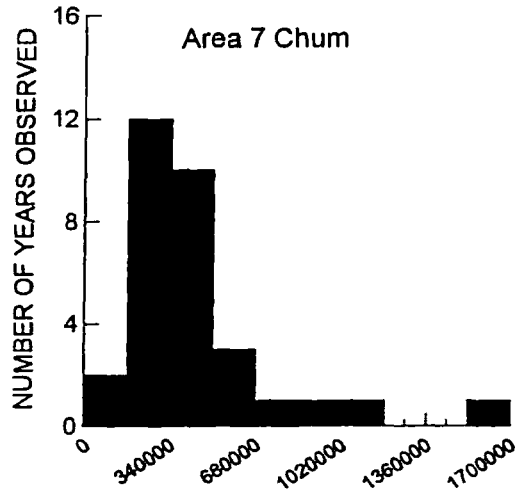
Klenta Chum 9927, Coho 1784; McLoughlin Chum 21913, Coho 339.

Age specific return rate is; 3's (.36), 4's (1.16), 5's (.13).

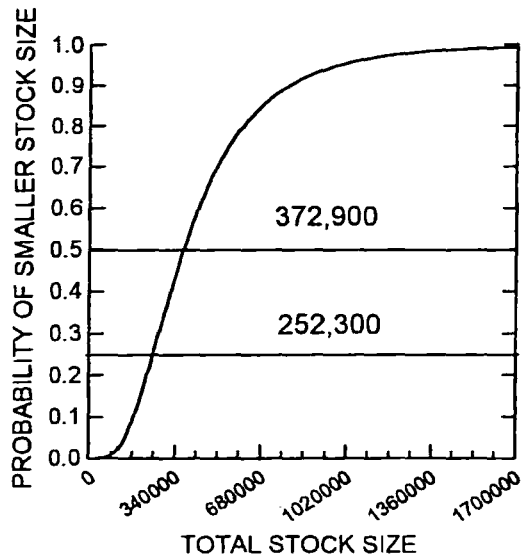
The forecast for Area 7 Chum was prepared by the Stock Assessment Division. Projected returns to individual systems was determined by proportioning the total Area 7 forecast by brood year escapements.

The forecast has a 50% probability that the returning run could be higher.

A. Historical distribution of stock sizes



B. Forecast of stock size  
in 2001



The forecasted cumulative probability distribution for total stock size in 2001 for Area 7 chum salmon

AREA 7 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1960	175550	112475	288025
1962	1209384	307300	1516684
1964	627628	353650	981278
1966	1321308	437150	1758458
1968	824063	562325	1386388
1970	813675	323365	1137040
1972	1316500	269150	1585650
1974	501415	153425	654840
1976	486539	263740	750279
1978	328957	287710	616667
1980	421954	229821	651775
1982	173782	172575	346357
1984	121614	170220	291834
1986	707235	184288	891523
1988	396449	272440	668889
1990	362454	363031	725485
1992	59642	267194	326836
1994	10604	193925	204529
1996	20403	225371	245774
1998	7019	166985	174004
2000	1673	189900	191573

AREA 7 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK
1961	553194	333475	886669
1963	353828	293975	647803
1965	602811	111535	714346
1967	35759	150180	185939
1969	40597	234585	275182
1971	274615	416900	691515
1973	383541	182650	566191
1975	184122	101850	285972
1977	287406	292720	580126
1979	568127	441268	1009395
1981	938989	290420	1229409
1983	61200	293616	354816
1985	888470	328142	1216612
1987	213679	83171	296850
1989	32063	284076	316139
1991	142783	245179	387962
1993	17203	275828	293031
1995	35836	148185	184021
1997	26815	191675	218490
1999	50159	182020	232179

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

\*-1999 and 2000 are Preliminary Catch Figure  
Net Catch Only.

AREA 7 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	124751	118475	243226
1961	103564	78250	181814
1962	258507	235825	494332
1963	213512	167725	381237
1964	292970	218675	511645
1965	58239	85980	144219
1966	289316	448917	738233
1967	84310	193290	277600
1968	373007	333275	706282
1969	194861	222785	417646
1970	797822	372550	1170372
1971	291804	238675	530479
1972	633657	266000	899657
1973	1263049	405150	1668199
1974	550360	228090	778450
1975	162392	105940	268332
1976	149014	95735	244749
1977	75624	155810	231434
1978	332921	267750	600671
1979	213307	169665	382972
1980	396854	97567	494421
1981	203854	142927	346781
1982	255636	200882	456518
1983	21996	114449	136445
1984	217813	144762	362575
1985	237407	169338	406745
1986	329523	150662	480185
1987	211437	113369	324806
1988	313274	216935	530209
1989	98873	159868	258741
1990	213116	151348	364464
1991	138621	170197	308818
1992	49129	57335	106464
1993	98930	120769	219699
1994	190852	112748	303600
1995	201454	214065	415519
1996	65119	230765	295884
1997	55973	199955	255928
1998	99883	322330	422213
1999	83497	197290	280787
2000	39393	169520	208913

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

\*-1999 and 2000 are Preliminary Catch Figures.

Net Catch Only.

Revised fishing plans as per the expectation meeting on Nov 10/00.

2000 SALMON EXPECTATIONS - AREA 7

**Pink:** There is a surplus of approximately 89,000 Pink to Area 7 with surpluses going to the Mussel, Carter, Kainet, James Bay, Quartcha and Clatse systems.

**Chum:** There is total surplus of approximately 133,000. Main Chum surpluses are to the Mussel, Neekas, Quartcha and Roscoe Rivers.

Hatchery Chum:

Kitasu Creek hatchery is expecting a surplus of approximately 10,000 Chum.

McLoughlin Creek Hatchery is expecting a surplus of approximately 22,000 Chum. This will provide directed fisheries in Lama Pass.

POTENTIAL COMMERCIAL NET OPENING DATES

Effective Date Action

August 6 (Mon) Open to gillnets and seines for 1 day in Subarea 7-12.

August 20 (Mon) Open to gillnets for 1 day in Subareas 7-4 (North of Oscar Pass), 7-5 and 7-6 (South of Denton Point). The Mary Cove and Sockeye Creek  $\frac{1}{2}$  mile radius boundaries will be in effect to conserve Sockeye.

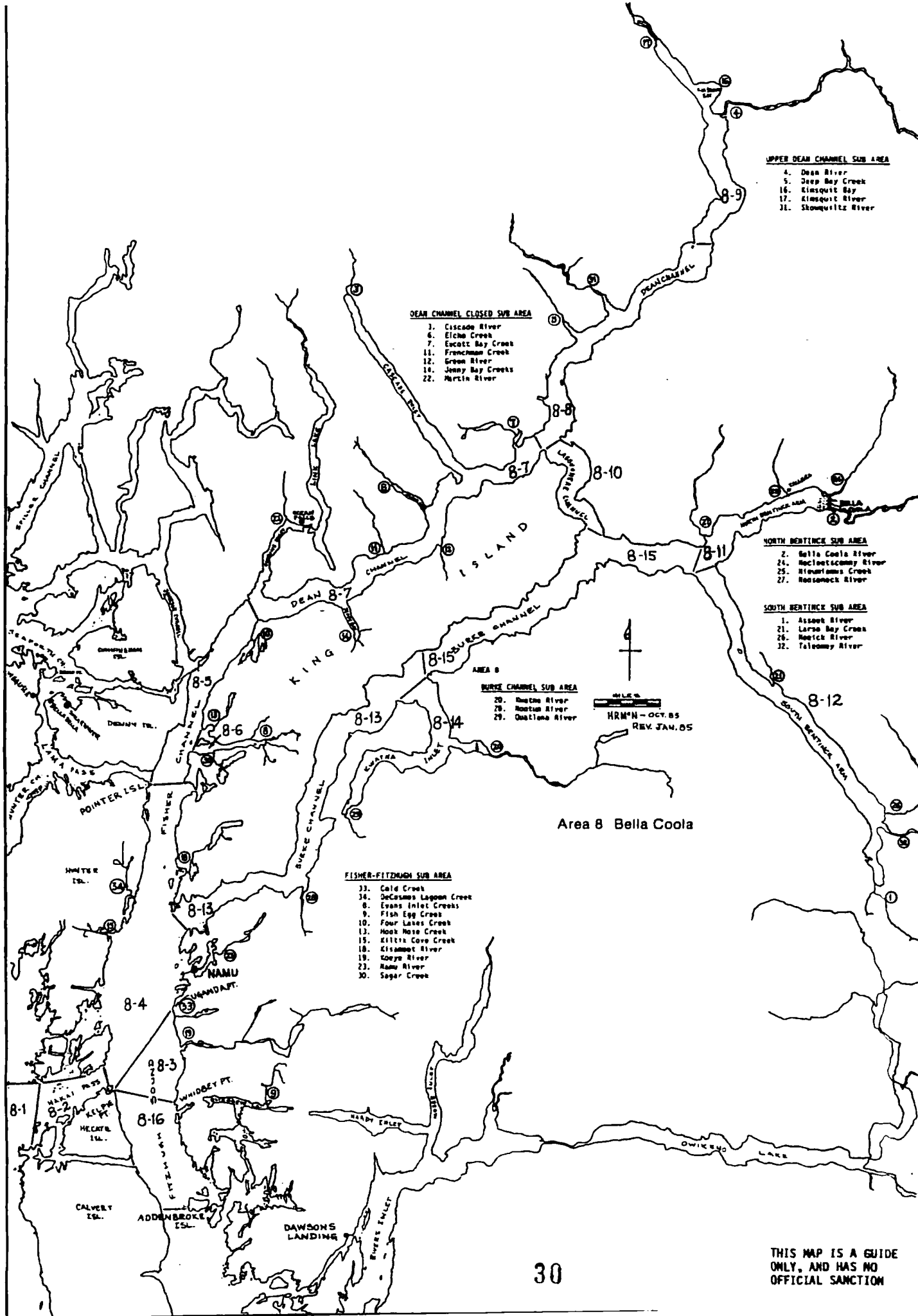
Open to seines for 12 hours in a portion of Subarea 7-17 between Story Point and Archibald Point targeting McLoughlin Hatchery Chum. Gear types will alternate as in previous years.

September 3 (Mon) Open to gillnets and seines for 1 day in 7-13.

**Notes:**

1. The first inseason advisory board meeting will be held Thursday morning July 26, 2001 in Bella Bella.
2. The opening date for Finlayson Channel will be reviewed at the inseason advisory board meeting and may be moved forward.
3. The opening date for fishing in Lower Roscoe and Johnson Channel will be discussed at inseason advisory board meeting.
4. Short notice announcements and/or short duration fisheries may be held after August 14<sup>th</sup>. The announcement times may be such that only vessels currently on the grounds will be able to participate. These actions are necessary to ensure safe fisheries and manageable fleet sizes when harvesting limited surpluses in confined areas.
5. DFO will attempt to harvest surplus and Chum returning to Kitasoo Hatchery in Finlayson Channel. If surpluses are not caught in Finlayson Channel, fisheries in the Klemtu Pass area may be considered subject to conservation concerns and native food fish requirements. Openings targeting on Kitasoo Creek Hatchery stocks in terminal areas would only be considered after August 21st and would follow the pattern of gillnets fishing first and seines second.

Coho non-retention will be in effect.



**2000 POST SEASON SUMMARY AND ASSESSMENT  
AREA 8 - BELLA COOLA SUB-DISTRICT**

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

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
Expected Return	48642	N/A	2309000	442500	38108	N/A	N/A
Target Escapement	138750	N/A	1475400	267450	42600	N/A	N/A
Surplus	0	N/A	953645	241340	11526	N/A	N/A

**2. Postseason Catch**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
<u>Commercial Field Catches</u>							
Seine	719	0	27551	4444	0	0	0
Gillnet	1935	0	49362	48721	4031	0	0
Total Net	2654	0	76913	53165	4031	0	0
Troll	Unk	Unk	Unk	Unk	Unk	Unk	Unk
<u>Sport Catches</u>							
Tidal	0	2086	1806	63	734	0	0
Non-Tidal	0	696	569	271	1361	2	0
Total	0	2782	2375	334	2095	2	0
<u>IFF Catches</u>							
Tidal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Tidal	1769	2043	697	302	3335	131	26
Total	1769	2043	697	302	3335	131	26

**3. Escapement**

	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>	<u>Jack</u>	<u>Std</u>
2000	25290		1613050	181875	26200		
Target	138750	N/A	1475400	267450	42600	N/A	N/A

**4. Commercial Fishery Stats:**

	<u>Date of First Fishery</u>	<u>Date of Last Fishery</u>	<u>Date of CFB</u>	<u>Total Days Fishing</u>	<u>Total Accum Effort</u>
Seine	24-Jul	21-Aug	22-Sep	7	26
Gillnet	6-Jun	21-Aug	22-Sep	20	881
Troll	N/A	N/A	N/A	Unk	Unk

Commercial field net catches from in season catch database.

Notes (\*\*):

- Coho escapement numbers are incomplete and do not accurately reflect actual escapements.

#### 5. Proposed General Fishing Plan:

Revised fishing plans as per the expectation meeting on Nov 18/99

#### 2000 SALMON EXPECTATIONS - AREA 8

- Sockeye:** There are no Sockeye surpluses expected for the Atnarko or Kimsquit Rivers.
- Pink:** A surplus of approximately one million has been forecast to Area 8 this year. This surplus is mainly to the Atnarko River.
- Chum:** A surplus of approximately 242,000 Chum is predicted for Area 8. The surplus to the Bella Coola River is predicted at approximately 232,000 of which 89,000 is the hatchery contribution. A surplus of 58,000 is identified for the Kimsquit River.
- Chinook:** There is an expected surplus of approximately 11,000 Atnarko Chinook anticipated.

#### PROPOSED FISHING PATTERN

Effective Date	Action
June 5 (Mon)	Open to gillnets for 1 day in Subareas 8-10, 8-11, 8-12 (North of Bensins Island), 8-13 (North of the Southern most point in Restoration Bay) and 8-15.  Minimum mesh restriction of 203mm will be in effect. Further Chinook openings will depend on stock strength.
July 3 (Mon)	Open to gillnets for 1 day in Subareas 8-3, 8-4, 8-5, 8-10, 8-11, 8-12 (North of Bensins Island) 8-15. Minimum mesh restriction of 149 mm.
July 24 (Mon)	Open to gillnets and seines for 1 day in Subareas 8-4 (East of Daedalus Point to

Hergest Point) and a portion of 8-5 south of a line from boundary sign 0.7 miles north of Farewell point, to a boundary sign 0.7 miles north of Bold point

Open to gillnets for 1 day in Subareas 8-8, 8-10, 8-11, 8-12 (North of Bensins Island), and 8-15.

Subsequent openings will depend on inseason management actions based on run strength and input from advisors.

Any openings in 8-5 north of Bold Pt. and 8-8 will depend on Chum strength and any potential openings will be subject to Steelhead conservation measures outlined below.

**Gillnet Restrictions:**

Gillnets are required to use a weedline 100 cm to 154 cm (40 to 60 inches) below the corkline in 8-5 north of Bold Pt. and 8-8.

**Seine Restrictions:**

Mandatory release of Steelhead by seines in 8-5 north of Bold Point.

**Seine Steelhead Release Procedure:**

Seines are required to dry up sets alongside their vessel. Using a skiff and a small dip net, Steelhead are to be removed from the pursed seine net. The remaining Salmon are then to be brailed onto the deck and any remaining Steelhead carefully released. In the event of large sets, Salmon shall be sorted from the pursed seine net into the brailer. Small dip nets work well for sorting Salmon and capturing Steelhead from the seine net. It is not acceptable to bring fish over the stern or use stern ramps.

Non-compliance with the seine Steelhead release procedure may result in closure of the fishing area.

**Notes:**

1. Gillnet Weedlines for Steelhead will be in effect during the period from July 3 to August 19 in 8-5 North of a portion of 8-5 south of a line from boundary sign 0.7 miles north of Farewell point, to a boundary sign 0.7 miles north of Bold point

2. Commercial fisheries in Area 8 will be closed for 3 consecutive days in every week to protect weaker non-target salmon stocks.

3. A joint Area 7 and Area 8 in-season advisory meeting is scheduled for Thursday morning July 27, 2000 at Bella Bella.

4. The seine opening date will be reviewed in conjunction with other seine openings on the North Coast. Coho non-retention will be in effect.

6. Commercial Net Fishery Summary:

Coho non retention was in effect for all net fisheries in Area 8 this year.

Commercial fishing in Area 8 started with the Chinook Gillnet fishery in the Bella Coola Gillnet Area opening on June 6 for 1 day. Chinook fisheries took place for 1 day each week until June 20 when a 2 day fishery was held. On July 3 the boundary in Burke Channel was moved to Cathedral Point and the mesh restriction was dropped from a minimum of 203 mm to 149 mm allowing for a chum fishery to occur. A total of 4012 Chinooks were harvested in the Bella Coola Gill Net Area this year.

There was no directed commercial fishery on Atnarko River Sockeye during July. This was accomplished by having a 149 mm minimum mesh in effect during that time period. The total incidental Sockeye catch in the Bella Coola Gillnet area was 509 pieces.

There was no fishery targeting on Kimsquit Sockeye mainly due to the weedline restriction to protect Steelhead in Dean Channel as well a minimum 149 mm mesh restriction in effect during the sockeye run. Other small Sockeye systems such as Koeve, Namu, Hooknose and Kisameet did not have commercial fisheries that targeted on them.

The main fisheries in outer Area 8 started on July 3 for gillnets in portions of Fisher Channel and Fitz Hugh Sound. There were between 21 and 102 gillnetters operating in Area 8 this year. On July 24 outer Area 8 opened to both seines and gillnets for 2 days but because of good Sockeye catches in the North Coast no seine vessels were present. Openings during the summer ranged between 1 and 3 days per week. Seines harvested approximately 28,000 pink and just under 4,500 chum in Fisher/Fitz Hugh while gillnets took approximately 12,000 chums in that area.

Fishing by gillnets for Chum Salmon in the Bella Coola Gillnet Area continued after the Chinook openings until the season ended on August 23rd. Gillnets harvested just over 36,000 chum in the that area.

Although Dean Channel was open each week between July 24 and Aug 15, there was no fishing effort there. No opening were held

after August 15 because of the weak showing of Chum bound for the Kimsquit River.

Coho were released in all commercial fisheries in Area 8. Fishermen were requested to release all steelhead as well as chinook outside of the Bella Coola Gillnet Area.

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

#### 7. Sport Fishery Summary:

##### Non-tidal

In 2000 the following river fisheries took place:

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

Sportfishing success for Chinook salmon in the Atnarko and Bella Coola Rivers was reasonably good and comparable to other recent years. Sport fishermen were allowed to keep 2 Pink Salmon and 1 Chum Salmon per day on the Bella Coola and Atnarko Rivers. Pink salmon arrived approximately 2 weeks later than normal in the Bella Coola and Atnarko Rivers. Coho sportfishing fairly good on the Bella Coola River this year.

##### Tidal

The main sport fishing effort in tidal water occurred in the Hakai Pass area by guests of the sport lodges in the area. Some sport fishing effort is present around the Koeve River during the latter part of August when Coho congregate there. There is some effort for feeder springs in Burke Channel but most of the tidal effort occurs in the outside waters of Area 8. No tidal catch and effort information was collected for areas outside of Hakai Pass and Upper Fisher Channel.

See Appendix II for a detailed summary of sport fish catches for these fisheries.

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

The various FSC fisheries that occur in Area 8 are summarised below:

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

Communal fishing licences were issued to all the First Nations fishing within Area 8.

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

9. Escapement Summary:

Sockeye

The Atnarko River Sockeye escapement of 15,000 spawners was below the 75,000 target despite the fact that there was no targeted commercial fishery on this stock.

Surveys of Kimsquit Lake was conducted during mid and late October using a fixed wing aircraft. In addition to the lake spawners observed there were 300 sockeye seen in the main river by the mouth and an additional 1200 sockeye counted in the main river  $\frac{1}{2}$  way between the mouth and the lake. This was not a normal area where Sockeye have been observed spawning in the last 10 years. An estimate of 5,000 sockeye spawners was made for this system.

Coho

Coho returns appear to be reasonably good this year.

Pink

The Pink escapement of 1,225,000 in the Atnarko River and an another 75,000 in Bella Coola River tributaries totals 1.3 million which is just over the 1.1 million target for the system. The 75,000 escapement to the Kwatna River is a good escapement.

The Koeye River Pink estimate of 100,000 fully seeded the system. Pink escapements were generally strong to all systems.

### Chum

The escapement of Chum to the Bella Coola River was 85,000 which good for this system. The Kimsquit River had an escapement of 35,000 chums which is just over half of the target. Returns to Lower Dean Streams were generally good.

### Chinook

The escapement to the Atnarko River was estimated at 25,000 this year which is the target. The Dean River Chinook escapement was only 1200 spawners which is down from last year. No Chinook enumeration was conducted in the Kimsquit, Taleomey, Noieck and Kwatna Rivers this year.

See Appendix IV for a summary of 2000 escapements by stream.

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

Sockeye Salmon:

Key Stream	Target Escapement	Current Year Escapement	%Of Target
Bella Coola/Atnarko	75000	15000	20
Kimsquit	30000	5000	17
Others	32000	N/I	

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement	%Of Target
Bella Coola/Atnarko	1000000	1300000	130
Kwatna	100000	75000	75
Koeye	100000	100000	100

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement	%Of Target
Bella Coola	80000	85000	105
Kimsquit	60000	35000	58
Elcho	20000	11000	55
Cascade	12000	6000	50
Jenny Bay	6000	2100	35
Martin	15000	11000	73

Chinook Salmon:

Key Stream	Target Escapement	Current Year Escapement	%Of Target
Bella Coola/Atnarko	25000	25000	100
Dean	12000	1200	10

11. Appendices:

- Appendix I - Area 8 Weekly Net Catch Summary For 2000.
- Appendix II - Area 8 Sport Fishery Catch Summary For 2000.
- Appendix III - Area 8 Native Food, Social and Ceremonial Fishery Catch Summary For 2000.
- Appendix IV - Area 8 Escapements for 2000.
- Appendix V - Atnarko Tower Count Raw Data for 2000.
- Appendix VI - Atnarko Tower Count Expanded for 12 hours for 2000.
- Appendix VII - Bella Coola Tributary Pink and Chum Escapement Counts for 2000.
- Attachment 1 - Bella Coola River Tributary Chum Escapement
- Attachment 1a - Bella Coola River Tributary Pink Escapement

AREA 8 BCGNA

GN CATCH

17-Oct-00

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
24	062	06-Jun-00	26	0	0	0	0	121	0	0
		TFW	26	0	0	0	0	121	0	0
		TTD	26	0	0	0	0	121	0	0
25	063	13-Jun-00	39	0	0	0	3	355	0	0
		TFW	39	0	0	0	3	355	0	0
		TTD	65	0	0	0	3	476	0	0
26	064	20-Jun-00	40	0	0	0	26	477	0	0
		21-Jun-00	40	0	0	0	26	475	0	0
		TFW	80	0	0	0	52	952	0	0
		TTD	145	0	0	0	55	1428	0	0
27	071	27-Jun-00	38	1	0	0	170	591	0	0
		28-Jun-00	38	1	0	0	168	592	0	0
		TFW	76	2	0	0	338	1183	0	0
		TTD	221	2	0	0	393	2611	0	0
28	072	03-Jul-00	38	6	0	1	456	477	0	0
		04-Jul-00	38	6	0	0	550	463	0	0
		TFW	76	12	0	1	1006	940	0	0
		TTD	297	14	0	1	1399	3551	0	0
29	073	10-Jul-00	24	6	0	35	530	87	0	0
		11-Jul-00	24	4	0	24	417	87	0	0
		TFW	48	10	0	59	947	154	0	0
		TTD	345	24	0	80	2346	3705	0	0
30	074	17-Jul-00	20	25	0	727	2619	64	0	0
		18-Jul-00	20	42	0	366	2936	54	0	0
		19-Jul-00	20	27	0	747	2331	36	0	0
		TFW	60	94	0	1840	7886	154	0	0
		TTD	405	118	0	1900	10232	3859	0	0
31	075	24-Jul-00	36	27	0	4493	2264	63	0	0
		25-Jul-00	36	18	0	3355	2360	44	0	0
		TFW	72	45	0	7848	4624	107	0	0
		TTD	477	163	0	9748	14856	3966	0	0
32	081	31-Jul-00	43	66	0	9706	5597	39	0	0
		TFW	43	66	0	9706	5597	39	0	0
		TTD	520	229	0	19454	20453	4005	0	0
33	082	07-Aug-00	41	70	0	6900	4100	4	0	0
		08-Aug-00	48	100	0	8279	4890	2	0	0
		TFW	89	170	0	15179	8990	6	0	0
		TTD	609	399	0	34633	29443	4011	0	0
34	083	14-Aug-00	62	80	0	2559	4729	1	0	0
		TFW	62	80	0	2559	4729	1	0	0
		TTD	671	479	0	37192	34172	4012	0	0
35	084	21-Aug-00	55	30	0	574	2306	0	0	0
		TFW	55	30	0	574	2306	0	0	0
		TTD	726	509	0	37766	36478	4012	0	0

AREA 8		DCGNA		GN CATCH						17-Oct-00
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
31	075	24-Jul-00	0	0	0	0	0	0	0	0
		25-Jul-00	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
32	081	31-Jul-00	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
33	082	07-Aug-00	0	0	0	0	0	0	0	0
		08-Aug-00	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
34	083	14-Aug-00	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

AREA 8

F/FH

GN CATCH

17-Oct-00

Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
28 072		03-Jul-00	0	0	0	0	0	0	0	0
		04-Jul-00	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
29 073		10-Jul-00	1	21		12	109	6	0	
		11-Jul-00	1	30		10	52	0	0	0
		TFW	2	51		22	161	6	0	0
		TTD	2	51	0	22	161	6	0	0
30 074		17-Jul-00	1	20	0	20	52	1		
		18-Jul-00	1	23	0	28	57	0		
		19-Jul-00	1	5	0	2	19	0		
		TFW	3	48	0	50	128	1		
	TTD	5	99	0	72	289	7	0	0	
31 075		24-Jul-00	10	246	0	610	152	0	0	0
		25-Jul-00	9	250	0	691	161	0	0	0
		TFW	19	496	0	1301	313	0	0	0
		TTD	24	595	0	1373	602	7	0	0
32 081		31-Jul-00	22	185	0	1147	493	1	0	0
		TFW	22	185	0	1147	493	1	0	0
		TTD	46	780	0	2520	1095	8	0	0
33 082		07-Aug-00	24	222	0	4480	3035	0	0	0
		08-Aug-00	15	201	0	1858	1489	0	0	0
		TFW	39	423	0	6338	4524	0	0	0
		TTD	85	1203	0	8858	5619	8	0	0
34 083		14-Aug-00	40	153	0	1771	3568	10	0	0
		TFW	40	153	0	1771	3568	10	0	0
		TTD	125	1356	0	10629	9187	18	0	0
35 084		21-Aug-00	30	70	0	967	3056	1	0	0
		TFW	30	70	0	967	3056	1	0	0
		TTD	155	1426	0	11596	12243	19	0	0

AREA 8		F/FH	SN CATCH						17-Oct-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
31	075	24-Jul-00	0	0	0	0	0	0	0	0
		25-Jul-00	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
32	081	31-Jul-00	2	47	0	1943	306	0	0	0
		TFW	2	47	0	1943	306	0	0	0
		TTD	2	47	0	1943	306	0	0	0
33	082	07-Aug-00	1	88	0	3273	329			
		08-Aug-00	1	150		4686	230			
		TFW	2	238	0	7959	559			
		TTD	4	286	0	9902	865	0	0	0
34	083	14-Aug-00	20	385	0	16149	2880	0	0	0
		TFW	20	385	0	16149	2880	0	0	0
		TTD	24	670	0	26061	3745	0	0	0
35	084	21-Aug-00	2	49	0	1500	699	0	0	0
		TFW	2	49	0	1500	699	0	0	0
		TTD	26	719	0	27551	4444	0	0	0

**AREA 8 F/FH**

**TOTAL NET CATCH**

17-Oct-00

Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
28 072	03-Jul-00	0	0	0	0	0	0	0	0
	04-Jul-00	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
29 073	10-Jul-00	1	21		12	109	6	0	
	11-Jul-00	1	30		10	52	0	0	0
	TFW	2	51		22	161	6	0	0
	TTD	2	51	0	22	161	6	0	0
30 074	17-Jul-00	1	20	0	20	52	1		
	18-Jul-00	1	23	0	28	57	0		
	19-Jul-00	1	5	0	2	19	0		
	TFW	3	48	0	50	128	1		
31 075	24-Jul-00	10	246	0	610	152	0	0	0
	25-Jul-00	9	250	0	691	161	0	0	0
	TFW	19	496	0	1301	313	0	0	0
	TTD	24	595	0	1373	602	7	0	0
32 081	31-Jul-00	24	232	0	3090	799	1	0	0
	TFW	24	232	0	3090	799	1	0	0
	TTD	48	827	0	4463	1401	8	0	0
33 082	07-Aug-00	25	310	0	7753	3364	0	0	0
	08-Aug-00	16	351	0	6544	1719	0	0	0
	TFW	41	661	0	14297	5083	0	0	0
	TTD	89	1488	0	18760	6484	8	0	0
34 083	14-Aug-00	60	538	0	17920	6448	10	0	0
	TFW	60	538	0	17920	6448	10	0	0
	TTD	149	2026	0	36680	12932	18	0	0
35 084	21-Aug-00	32	119	0	2467	3755	1	0	0
	TFW	32	119	0	2467	3755	1	0	0
	TTD	181	2145	0	39147	10687	19	0	0

## APPENDIX 1

AREA 8			GN <sup>1</sup>	TOTAL CATCH					09-Nov-00	
Week Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
24 062	06-Jun-00	26	0	0	0	0	121	0	0	
	TFW	26	0	0	0	0	121	0	0	
	TTD	26	0	0	0	0	121	0	0	
25 063	13-Jun-00	39	0	0	0	3	355	0	0	
	TFW	39	0	0	0	3	355	0	0	
	TTD	65	0	0	0	3	476	0	0	
26 064	20-Jun-00	40	0	0	0	26	477	0	0	
	21-Jun-00	40	0	0	0	26	475	0	0	
	TFW	80	0	0	0	52	952	0	0	
	TTD	146	0	0	0	55	1428	0	0	
27 071	27-Jun-00	38	1	0	0	170	591	0	0	
	28-Jun-00	38	1	0	0	168	592	0	0	
	TFW	76	2	0	0	338	1183	0	0	
	TTD	221	2	0	0	393	2611	0	0	
28 072	03-Jul-00	38	6	0	1	456	477	0	0	
	04-Jul-00	38	6	0	0	550	463	0	0	
	TFW	76	12	0	1	1006	940	0	0	
	TTD	297	14	0	1	1399	3551	0	0	
29 073	10-Jul-00	25	27	0	47	639	93	0	0	
	11-Jul-00	25	34	0	34	469	67	0	0	
	TFW	50	61	0	81	1108	160	0	0	
	TTD	347	75	0	82	2507	3711	0	0	
30 074	17-Jul-00	21	45	0	747	2671	65	0	0	
	18-Jul-00	21	65	0	394	2993	54	0	0	
	19-Jul-00	21	32	0	749	2350	36	0	0	
	TFW	63	142	0	1890	8014	155	0	0	
	TTD	410	217	0	1972	10521	3866	0	0	
31 075	24-Jul-00	46	273	0	5103	2416	63	0	0	
	25-Jul-00	45	268	0	4046	2521	44	0	0	
	TFW	91	541	0	9149	4937	107	0	0	
	TTD	501	758	0	11121	15458	3973	0	0	
32 081	31-Jul-00	65	251	0	10853	6090	40	0	0	
	TFW	65	251	0	10853	6090	40	0	0	
	TTD	566	1009	0	21974	21548	4013	0	0	
33 082	07-Aug-00	65	292	0	11380	7135	4	0	0	
	08-Aug-00	63	301	0	10137	6379	2	0	0	
	TFW	128	593	0	21517	13514	6	0	0	
	TTD	694	1602	0	43491	35062	4019	0	0	
34 083	14-Aug-00	102	233	0	4330	8297	11	0	0	
	TFW	102	233	0	4330	8297	11	0	0	
	TTD	796	1835	0	47821	43359	4030	0	0	
35 084	21-Aug-00	85	100	0	1541	5362	1	0	0	
	TFW	85	100	0	1541	5362	1	0	0	
	TTD	881	1935	0	49362	48721	4031	0	0	

AREA 8		SN		TOTAL CATCH				09-Nov-00		
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead
31	075	24-Jul-00	0	0	0	0	0	0	0	0
		25-Jul-00	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
32	081	31-Jul-00	2	47	0	1943	306	0	0	0
		TFW	2	47	0	1943	306	0	0	0
		TTD	2	47	0	1943	306	0	0	0
33	082	07-Aug-00	1	88	0	3273	329			
		08-Aug-00	1	150		4686	230			
		TFW	2	238	0	7959	559			
		TTD	4	285	0	9902	865	0	0	0
34	083	14-Aug-00	20	385	0	16149	2880	0	0	0
		TFW	20	385	0	16149	2880	0	0	0
		TTD	24	670	0	26051	3745	0	0	0
35	084	21-Aug-00	2	49	0	1500	699	0	0	0
		TFW	2	49	0	1500	699	0	0	0
		TTD	26	719	0	27551	4444	0	0	0

AREA 8			TOTAL NET CATCH							09-Nov-00	
Week	Closed	Date	Opr.	Sockeye	Coho	Pink	Chum	Chinook	Jack	Steelhead	
24	062	06-Jun-00	26	0	0	0	0	121	0	0	
		TFW	26	0	0	0	0	121	0	0	
		TTD	26	0	0	0	0	121	0	0	
25	063	13-Jun-00	39	0	0	0	3	355	0	0	
		TFW	39	0	0	0	3	355	0	0	
		TTD	65	0	0	0	3	476	0	0	
26	064	20-Jun-00	40	0	0	0	26	477	0	0	
		21-Jun-00	40	0	0	0	26	475	0	0	
		TFW	80	0	0	0	52	952	0	0	
		TTD	145	0	0	0	55	1428	0	0	
27	071	27-Jun-00	38	1	0	0	170	591	0	0	
		28-Jun-00	38	1	0	0	168	592	0	0	
		TFW	76	2	0	0	338	1183	0	0	
		TTD	221	2	0	0	393	2611	0	0	
28	072	03-Jul-00	38	6	0	1	456	477	0	0	
		04-Jul-00	38	6	0	0	550	463	0	0	
		TFW	76	12	0	1	1006	940	0	0	
		TTD	297	14	0	1	1399	3551	0	0	
29	073	10-Jul-00	25	27	0	47	639	93	0	0	
		11-Jul-00	25	34	0	34	469	67	0	0	
		TFW	50	61	0	81	1108	160	0	0	
		TTD	347	75	0	82	2507	3711	0	0	
30	074	17-Jul-00	21	45	0	747	2671	65	0	0	
		18-Jul-00	21	65	0	394	2993	54	0	0	
		19-Jul-00	21	32	0	749	2350	36	0	0	
		TFW	63	142	0	1890	8014	155	0	0	
		TTD	410	217	0	1972	10521	3866	0	0	
31	075	24-Jul-00	46	273	0	5103	2416	63	0	0	
		25-Jul-00	45	268	0	4046	2521	44	0	0	
		TFW	91	541	0	9149	4937	107	0	0	
		TTD	501	758	0	11121	15458	3973	0	0	
32	081	31-Jul-00	67	298	0	12796	6396	40	0	0	
		TFW	67	298	0	12796	6396	40	0	0	
		TTD	568	1056	0	23917	21854	4013	0	0	
33	082	07-Aug-00	66	380	0	14653	7464	4	0	0	
		08-Aug-00	64	451	0	14823	6609	2	0	0	
		TFW	130	831	0	29476	14073	6	0	0	
		TTD	698	1887	0	53393	35927	4019	0	0	
34	083	14-Aug-00	122	618	0	20479	11177	11	0	0	
		TFW	122	618	0	20479	11177	11	0	0	
		TTD	820	2505	0	73872	47104	4030	0	0	
35	084	21-Aug-00	87	149	0	3041	6061	1	0	0	
		TFW	87	149	0	3041	6061	1	0	0	
		TTD	907	2654	0	76913	53165	4031	0	0	

Appendix II - 2000 Area 8 Sport Catch Figures (Bella Coola River - Weekly)

Week	Week Ending	Angler Days	Coho	Pink	Chum	Chin	Jack	Steel
20	13-May	46	0	0	0	0	0	0
21	20-May	96	0	0	0	0	0	0
22	27-May	235	0	0	0	20	2	0
23	3-Jun	230	0	0	0	27	0	0
24	10-Jun	258	0	0	0	51	0	0
25	17-Jun	295	0	0	0	56	0	0
26	24-Jun	515	0	0	0	130	0	0
27	1-Jul	659	0	0	0	127	0	0
28	8-Jul	940	0	0	0	181	0	0
29	15-Jul	360	4	0	10	104	0	0
30	22-Jul	200	0	53	15	9	0	0
31	29-Jul	258	0	131	55	0	0	0
32	5-Aug	672	0	373	77	0	0	0
33	12-Aug	717	0	475	83	0	0	0
34	19-Aug	507	6	381	18	0	0	0
35	26-Aug	357	3	210	6	0	0	0
36	2-Sep	144	16	42	0	0	0	0
37	9-Sep	203	45	0	0	0	0	0
38	16-Sep	213	94	0	0	0	0	0
39	23-Sep	298	56	0	2	0	0	0
40	30-Sep	413	41	0	4	0	0	0
41	7-Oct	407	122	0	0	0	0	0
42	16-Oct	335	74	0	0	0	0	0
43	23-Oct	0	0	0	0	0	0	0
44	30-Oct	0	0	0	0	0	0	0
	TFY	8358	461	1665	271	704	2	0

Appendix II - 2000 Area 8 Sport Catch Figures (Atnarko River - Weekly)

Week	Week Ending	Angler Days	Coho	Pink	Chum	Chin	Jack	Steel
20	13-May	13	0	0	0	0	0	0
21	20-May	39	0	0	0	0	0	0
22	27-May	74	0	0	0	1	0	0
23	3-Jun	117	0	0	0	14	0	0
24	10-Jun	108	0	0	0	16	0	0
25	17-Jun	240	0	0	0	49	0	0
26	24-Jun	327	0	0	0	68	0	0
27	1-Jul	430	0	0	0	97	0	0
28	8-Jul	731	0	0	0	238	0	0
29	15-Jul	435	0	0	0	136	0	0
30	22-Jul	115	0	0	0	38	0	0
31	29-Jul	0	0	0	0	0	0	0
32	5-Aug	0	0	0	0	0	0	0
33	12-Aug	0	0	0	0	0	0	0
34	19-Aug	0	0	0	0	0	0	0
35	26-Aug	120	0	96	0	0	0	0
36	2-Sep	73	14	12	0	0	0	0
37	9-Sep	171	44	0	0	0	0	0
38	16-Sep	78	36	0	0	0	0	0
39	23-Sep	116	54	0	0	0	0	0
40	30-Sep	199	58	0	0	0	0	0
41	7-Oct	117	29	0	0	0	0	0
42	16-Oct	0	0	0	0	0	0	0
43	23-Oct	0	0	0	0	0	0	0
44	30-Oct	0	0	0	0	0	0	0
	TFY	3503	235	108	0	657	0	0

Appendix II - 2000 Area 8 Sport Catch Figures (Hakai Pass - Weekly)

Week	Angler Days	Rod Days	Sx	Co	Pi	Cm	Ch	Hal	Ling	Rock	hellfish
27	24	24	0	0	0	0	6	20	2	0	0
28	284	284	0	13	17	0	20	145	49	126	0
29	420	420	0	40	21	0	25	173	118	238	0
30	539	599	0	65	92	2	29	104	75	232	0
31	696	892	0	126	537	3	66	49	52	150	0
32	873	1076	0	293	633	10	98	98	84	300	0
33	1002	1243	0	297	186	13	219	53	88	285	0
34	964	1220	0	295	102	4	130	103	74	209	0
35	941	1375	0	455	126	4	72	78	100	233	0
36	662	1053	0	350	55	1	29	94	124	265	0
37	188	312	0	68	8	0	13	21	38	57	0
	6593	8498	0	2002	1777	37	707	938	804	2095	0

Lodges/Resorts operating in Area 8

Hakai Lodge, Ole's Lodge, Hakai Beach Resort, Joe's Lodge, Hakai Land & Sea, Marabell, Hotei

Appendix II -2000 Area 8 Sport Catch Figures (Ocean Falls Area)

Week	Week Angler		Rod									Shell
	Ending	Days	Days	Sx	Co	Pi	Cm	Ch	Hal	Ling	Rock	fish
28	10-Jul	4	6	0	2	0	0	2	1	0	0	0
29	17-Jul	30	26	0	7	0	0	3	6	1	0	0
30	24-Jul	24	27	0	7	4	3	5	2	8	5	0
31	31-Jul	28	27	0	20	12	6	0	1	0	4	0
32	7-Aug	34	34	0	14	15	5	6	5	4	12	0
33	14-Aug	62	62	0	33	21	8	12	5	9	5	0
34	21-Aug	64	64	0	31	7	7	11	2	5	8	0
35	28-Aug	6	6	0	2	0	1	0	1	0	5	0
36	4-Sep	8	8	0	8	0	3	2	1	1	3	0
37	11-Sep	6	6	0	4	0	3	0	1	0	6	0
38	18-Sep	10	10	0	6	1	4	2	0	2	17	0
TFY		156	156	0	84	29	26	27	10	17	44	0

Lodges operating in the Ocean Falls Area

Walls Camp, Ocean Falls Fishing Lodge

Appendix III - 2000 Lower Bella Coola River (Nuxalk Band) - Weekly Catches

	Week	Number of							Sthd.	Sthd.
Week	Ending	Drifts	sockeye	Coho	Pink	Chum	Chinook	Jack	Released	Kept
16	15-Apr									
17	22-Apr									
18	29-Apr	14					2			
19	6-May	23					12			
20	13-May	51					35		6	
21	20-May	110					128		5	2
22	27-May	185					227	3	5	1
23	3-Jun	123					231		1	1
24	10-Jun	115					328	1		
25	17-Jun	339	6			1	339		2	
26	24-Jun	171	5			3	514		2	2
27	1-Jul	157	36	2	3	4	567	6	2	
28	8-Jul	185	522	2	52	66	427	71		3
29	15-Jul	199	219	3	270	69	288	33		3
30	22-Jul	49	67	4	286	113	135	3		
31	29-Jul	4			7	8	8			
32	5-Aug	3	4	3	50	10	6			
33	12-Aug	3		23						
34	19-Aug	3		18						
35	26-Aug	11		68						
36	2-Sep	26	7	676		1				
37	9-Sep	25		387		3			5	3
38	16-Sep	30		425	10	6			4	1
39	23-Sep	15		223		3				
40	30-Sep	14		209		13				
41	7-Oct									
<b>TOTAL</b>		<b>1,855</b>	<b>866</b>	<b>2,043</b>	<b>678</b>	<b>300</b>	<b>3,247</b>	<b>117</b>	<b>32</b>	<b>16</b>

Appendix III - 2000 Upper Bella Coola River (Ulkatcho & Nuxalk Band) - Weekly Catches.

Week	Week Ending	Number of Set Nets	Sockeye	Coho	Pink	Chum	Chinook	Jack	Sthd. Released	Sthd. Kept
16	15-Apr	0					0			
17	22-Apr	0					0			
18	29-Apr									
19	6-May	1								
20	13-May	1								
21	20-May	4					0			1
22	27-May	6					0			
23	3-Jun	4					2			1
24	10-Jun	4	0				1			0
25	17-Jun	1	0				1			0
26	24-Jun	4	6				6			7
27	1-Jul	16	44				34			
28	8-Jul	34	139			2	13			
29	15-Jul	66	371				15	1		1
30	22-Jul	40	154		2		14	2		
31	29-Jul	20	79				1	8		
32	5-Aug	15	89				1	3		
33	12-Aug	4	21		17					
34	19-Aug									
35	26-Aug									
36	6-Sep									
37	13-Sep									
38	20-Sep									
39	27-Sep									
40	4-Oct									
41	11-Oct									
42	18-Oct									
43	25-Oct									
44	1-Nov									
45	8-Nov									
	TOTAL	220	903	0	19	2	88	14	0	10

Appendix III - 2000 Heiltsuk - FSC Weekly Catches in Area 8

Gillnet Gear - Subarea 8-3, Koeye/Namu Area.

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
23	3-Jun	3	201	11	10	15	3	2
24	10-Jun	5	279	10	10	15	4	2
25	17-Jun	5	333	38	11	28	16	9
26	24-Jun	3	203	10	10	15	3	1
27	1-Jul	18	1,359	180	51	157	58	19
28	8-Jul	14	3,056	44	12	53	11	2
29	15-Jul	14	579	30	22	45	12	3
30	22-Jul	8	205	5	0	15	9	0
31	29-Jul	7	177	4	0	14	2	0
32	5-Aug	4	287	12	0	17	1	0
33	12-Aug	6	409	40	140	55	1	0
34	19-Aug	4	287	11	0	17	1	0
35	26-Aug	4	288	11	0	21	2	0
<b>TOTAL</b>		<b>95</b>	<b>7,663</b>	<b>406</b>	<b>266</b>	<b>467</b>	<b>123</b>	<b>38</b>

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

	Week							Sthd.
Week	Ending	Effort	Sockeye	Coho	Pink	Chum	Chinook	Kept
23	3-Jun							
24	10-Jun							
25	17-Jun	1	0	0	0	0	2	0
26	24-Jun							
27	1-Jul							
28	8-Jul	2	134	8	5	17	5	4
29	15-Jul	1	113	9	0	17	0	4
30	22-Jul	1	22	0	0	28	1	0
31	29-Jul							
32	5-Aug							
33	12-Aug							
34	19-Aug							
35	26-Aug							
<b>TOTAL</b>		<b>5</b>	<b>269</b>	<b>17</b>	<b>5</b>	<b>62</b>	<b>8</b>	<b>8</b>

Appendix IV. 2000 Area 8 Escapements.

STREAM NAME	SX	CO	PK	CM	CK
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BURKE CHANNEL

KWATNA RIVER			75,000	5,000	UNK
NOOTUM RIVER		UNK	UNK	UNK	
QUATLENA RIVER				500	
TOTAL	0	0	75,000	5,500	0

DEAN CHANNEL

CASCADE RIVER	20	200	8,000	6,000	
ELCHO CREEK	50	150	10,000	11,000	
EUCOTT BAY CREEKS			500	1,000	
FRENCHMAN CREEK	25	500	15,000	5,000	
GREEN RIVER		UNK	50	UNK	
JENNY BAY CREEKS (3)	40	100	4,600	2,100	
MARTIN RIVER	20	UNK	14,000	11,000	
TOTAL	155	950	52,150	38,100	0

FISHER - FITZ HUGH

COLD CREEK			UNK	UNK	
DE COSMOS LAGOON CREEK					
EVANS INLET CREEKS (3)					
FOUR LAKES CREEK		25	150	500	
HOOK NOSE CREEK	50		1,000	1,500	
KISAMEET RIVER	50	UNK	N/O	N/O	
KOEYE RIVER	1,000	UNK	100,000	UNK	
NAMU RIVER	1,000			UNK	
SAGAR CREEK					
TOTAL	2,100	25	101,150	2,000	0

NORTH BENTINCK

BELLA COOLA RIVER	15,000		1,300,000	85,000	25,000
NECLEETSCONNAY RIVER			70,000	6,000	
NIEUMIAMUS CREEK			2,500	250	
NOOSESECK RIVER			3,000	1,000	
TOTAL	15,000	0	1,375,500	92,250	25,000

SOUTH BENTINCK

ASSEK RIVER			200	25	
CAMP CREEK (LARSO BAY CR.)			50	N/O	
TALEOMEY RIVER			UNK	6,000	UNK
TOTAL	0	0	250	6,025	0

UPPER DEAN CHANNEL

DEAN RIVER	3,000		4,000	2,000	1,200
DEEP BAY CREEK			UNK	UNK	
KIMSQUIT BAY				1,000	
KIMSQUIT RIVER	5,000		UNK	35,000	UNK
SKOWQUILTZ RIVER	35	200	5,000	2,000	
TOTAL	8,035	200	9,000	40,000	1,200

TOTAL AREA 8	25,290	1,175	1,613,050	181,875	28,200
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APPENDIX V - ATNARKO TOWER COUNT - 2000 - RAW DATA

Date	Start Count	End Count	Time Counted	Sx	Co	Pk	Cm	Ch	St
1-Aug	1000	1400	4	3	0	0	0	4	0
2-Aug			4	2	0	1	0	3	0
3-Aug			4	2	1	2	0	2	0
4-Aug	800	1300	5	1	1	3	0	1	0
5-Aug	900	1700	9	9	0	0	0	6	0
6-Aug	900	1500	6	1	0	0	0	-5	0
7-Aug	900	1500	6	6	0	31	0	5	0
8-Aug	900	1600	7	5	0	623	0	7	0
9-Aug	900	1400	5	8	7	1728	0	5	0
10-Aug	900	1700	8	9	16	7357	1	16	3
11-Aug	900	1700	8	16	121	20691	0	79	5
12-Aug	900	2030	10.5	13	60	46045	0	56	3
13-Aug	900	1600	7	37	42	39196	2	17	2
14-Aug	900	1800	8	36	53	45269	2	17	2
15-Aug	900	1700	8	42	150	55891	4	19	3
16-Aug	900	1700	8	125	100	43540	3	32	0
17-Aug	900	1700	8	23	73	37075	1	12	0
18-Aug	900	1700	8	36	48	23571	0	10	0
19-Aug	900	1700	8	51	63	30479	5	25	0
20-Aug	900	1700	8	58	68	28711	9	19	2
21-Aug	900	1700	8	101	109	39998	0	8	2
22-Aug	900	1700	8	145	50	6423	1	2	7
23-Aug	900	1700	8	131	69	7190	7	13	3
24-Aug	900	1700	8	42	33	3359	6	5	0
25-Aug	700	1900	12	37	20	3570	6	8	1
26-Aug	1100	1900	8	24	13	7048	1	22	2
27-Aug	1100	1900	8	32	37	23640	1	9	1
28-Aug	900	1700	8	107	73	26242	3	17	2
29-Aug	900	1700	8	121	126	20774	5	24	5
30-Aug	900	1700	8	144	146	58841	6	11	1
31-Aug	900	1700	8	107	162	29277	10	25	2
1-Sep	900	1700	8	122	101	18979	9	36	0
2-Sep	900	1700	8	74	58	34759	3	8	0
3-Sep	900	1700	8	82	110	10137	2	30	2
4-Sep	700	1500	8	50	59	1811	2	25	2
5-Sep	900	1700	8	42	29	4719	4	30	0
6-Sep	900	1700	8	40	50	3579	0	19	1
7-Sep	900	1700	8	49	100	13251	8	47	1
8-Sep	900	1700	8	17	76	7431	5	51	4
9-Sep	900	1700	8	28	72	4536	4	24	4

APPENDIX V - ATNARKO TOWER COUNT - 2000 - RAW DATA

Date	Start Count	End Count	Time Counted	Sx	Co	Pk	Cm	Ch	St
10-Sep	900	1700	8	12	45	1786	3	26	2
11-Sep	900	1700	8	17	39	2627	1	33	0
12-Sep	900	1700	8	16	28	3378	-2	15	3
13-Sep	900	1700	8	19	43	3768	3	39	1
14-Sep	900	1700	8	14	23	5956	3	39	0
15-Sep	900	1700	8	10	24	3833	1	14	0
16-Sep	900	1700	8	13	53	9804	2	11	1
17-Sep	900	1700	8	11	82	14257	5	7	1
18-Sep	1000	1600	6	3	10	2082	0	17	1
19-Sep	1000	1600	6	6	11	2557	0	6	1
20-Sep	1000	1600	6	4	16	2378	4	10	0
21-Sep	1000	1600	6	2	14	1811	2	6	0
22-Sep	1000	1600	6	3	26	2212	2	10	0
23-Sep	1000	1600	6	6	20	3450	0	9	0
24-Sep	1000	1600	6	4	27	6234	4	6	0
25-Sep	1000	1600	6	6	34	8316	5	6	3
26-Sep	1000	1600	6	5	27	3935	5	7	3
27-Sep	1000	1600	6	1	18	2951	7	7	0
28-Sep	1000	1600	6	4	25	2315	2	13	0
29-Sep	1000	1600	6	6	22	3205	12	7	0
30-Sep	1000	1600	6	4	207	2173	14	7	0
1-Oct	1000	1600	6	0	29	1136	4	5	0
2-Oct	1000	1600	6	0	11	1045	2	4	2
3-Oct	1000	1600	6	2	15	1066	6	2	0
4-Oct	1000	1600	6	2	12	724	2	3	0
5-Oct	1000	1600	6	1	4	378	3	1	0
6-Oct	800	1400	6	0	10	331	1	0	0
7-Oct	1000	1600	6	2	9	453	3	5	0
8-Oct	1000	1600	6	1	18	349	5	3	1
9-Oct	1000	1600	6	0	20	99	4	0	0
10-Oct	1000	1600	6	0	4	0	4	0	0
11-Oct	1000	1600	6	1	1	0	4	0	0
12-Oct	1000	1600	6	1	4	0	5	0	0
13-Oct	900	1500	6	0	0	0	2	0	0
				2133	2882	792629	169	1023	76

APPENDIX VI - ATNARKO TOWER COUNT - 2000  
 EXPANDED FOR 12 HOURS

Date	Sx	Co	Pk	Cm	Ch	St
1-Aug	9	0	0	0	12	0
2-Aug	6	0	3	0	9	0
3-Aug	6	3	6	0	6	0
4-Aug	2	2	7	0	2	0
5-Aug	12	0	0	0	8	0
6-Aug	2	0	0	0	-10	0
7-Aug	12	0	62	0	10	0
8-Aug	9	0	1068	0	12	0
9-Aug	19	17	4147	0	12	0
10-Aug	14	24	11036	2	24	5
11-Aug	24	121	31037	0	119	5
12-Aug	15	60	52623	0	64	3
13-Aug	63	42	67193	3	29	2
14-Aug	54	53	67904	3	26	2
15-Aug	63	150	83837	6	29	3
16-Aug	188	150	65310	5	48	0
17-Aug	35	110	55613	2	18	0
18-Aug	54	72	35357	0	15	0
19-Aug	77	95	45719	8	38	0
20-Aug	87	102	43067	14	29	3
21-Aug	152	164	59997	0	12	3
22-Aug	218	75	9635	2	3	11
23-Aug	197	104	10785	11	20	5
24-Aug	63	50	5039	9	8	0
25-Aug	37	20	3570	6	8	1
26-Aug	36	20	10572	2	33	3
27-Aug	48	56	35460	2	14	2
28-Aug	161	110	39363	5	26	3
29-Aug	182	189	31161	8	36	8
30-Aug	216	219	88262	9	17	2
31-Aug	161	243	43916	15	38	3
1-Sep	183	152	28469	14	54	0
2-Sep	111	87	52139	5	12	0
3-Sep	123	165	15206	3	45	3
4-Sep	75	89	2717	3	38	3
5-Sep	63	44	7079	6	45	0
6-Sep	60	75	5369	0	29	2
7-Sep	74	150	19877	12	71	2
8-Sep	26	114	11147	8	77	6
9-Sep	42	108	6804	6	36	6

APPENDIX VI - ATNARKO TOWER COUNT - 2000  
 EXPANDED FOR 12 HOURS

Date	Sx	Co	Pk	Cm	Ch	St
10-Sep	18	68	2679	5	39	3
11-Sep	26	59	3941	2	50	0
12-Sep	24	42	5067	-3	23	5
13-Sep	29	65	5652	5	59	2
14-Sep	21	35	8934	5	59	0
15-Sep	15	36	5750	2	21	0
16-Sep	20	80	14706	3	17	2
17-Sep	17	123	21386	8	11	2
18-Sep	6	20	4164	0	34	2
19-Sep	12	22	5114	0	12	2
20-Sep	8	32	4756	8	20	0
21-Sep	4	28	3622	4	12	0
22-Sep	6	52	4424	4	20	0
23-Sep	12	40	6900	0	18	0
24-Sep	8	54	12468	8	12	0
25-Sep	12	68	16632	10	12	6
26-Sep	10	54	7870	10	14	6
27-Sep	2	36	5902	14	14	0
28-Sep	8	50	4630	4	26	0
29-Sep	12	44	6410	24	14	0
30-Sep	8	414	4346	28	14	0
1-Oct	0	58	2272	8	10	0
2-Oct	0	22	2090	4	8	4
3-Oct	4	30	2132	12	4	0
4-Oct	4	24	1448	4	6	0
5-Oct	2	8	756	6	2	0
6-Oct	0	20	662	2	0	0
7-Oct	4	18	906	6	10	0
8-Oct	2	36	698	10	6	2
9-Oct	0	40	198	8	0	0
10-Oct	0	8	0	8	0	0
11-Oct	2	2	0	8	0	0
12-Oct	2	8	0	10	0	0
13-Oct	0	0	0	4	0	0
	38	670	24746	92	84	4

## EXPANDED TTD

APPENDIX V - ATNARKO TOWER COUNT - 2000  
EXPANDED FOR 12 HOURS - TTD

Date	Sx	Co	Pk	Cm	Ch	St
1-Aug	9	0	0	0	12	0
2-Aug	15	0	3	0	21	0
3-Aug	21	3	9	0	27	0
4-Aug	23	5	16	0	29	0
5-Aug	35	5	16	0	37	0
6-Aug	37	5	16	0	27	0
7-Aug	49	5	78	0	37	0
8-Aug	58	5	1146	0	49	0
9-Aug	77	22	5293	0	61	0
10-Aug	91	46	16329	2	85	5
11-Aug	115	167	47365	2	204	10
12-Aug	130	227	99988	2	268	13
13-Aug	193	269	167181	5	297	15
14-Aug	247	322	235085	8	323	17
15-Aug	310	472	318921	14	351	20
16-Aug	497	622	384231	18	399	20
17-Aug	532	732	439844	20	417	20
18-Aug	586	804	475200	20	432	20
19-Aug	662	898	520919	27	470	20
20-Aug	749	1000	563985	41	498	23
21-Aug	901	1164	623982	41	510	26
22-Aug	1118	1239	633617	42	513	36
23-Aug	1315	1342	644402	53	533	41
24-Aug	1378	1392	649440	62	540	41
25-Aug	1415	1412	653010	68	548	42
26-Aug	1451	1431	663582	69	581	45
27-Aug	1499	1487	699042	71	595	46
28-Aug	1659	1596	738405	75	620	49
29-Aug	1841	1785	769566	83	656	57
30-Aug	2057	2004	857828	92	673	58
31-Aug	2217	2247	901743	107	710	61
1-Sep	2400	2399	930212	120	764	61
2-Sep	2511	2486	982350	125	776	61
3-Sep	2634	2651	997556	128	821	64
4-Sep	2709	2739	1000272	131	859	67
5-Sep	2772	2783	1007351	137	904	67
6-Sep	2832	2858	1012719	137	932	69
7-Sep	2906	3008	1032596	149	1003	70
8-Sep	2931	3122	1043742	156	1079	76

## EXPANDED TTD

APPENDIX V - ATNARKO TOWER COUNT - 2000  
EXPANDED FOR 12 HOURS - TTD

Date	Sx	Co	Pk	Cm	Ch	St
9-Sep	2973	3230	1050546	162	1115	82
10-Sep	2991	3297	1053225	167	1154	85
11-Sep	3017	3356	1057166	168	1204	85
12-Sep	3041	3398	1062233	165	1226	90
13-Sep	3069	3462	1067885	170	1285	91
14-Sep	3090	3497	1076819	174	1343	91
15-Sep	3105	3533	1082568	176	1364	91
16-Sep	3125	3612	1097274	179	1381	93
17-Sep	3141	3735	1118660	186	1391	94
18-Sep	3147	3755	1122824	186	1425	96
19-Sep	3159	3777	1127938	186	1437	98
20-Sep	3167	3809	1132694	194	1457	98
21-Sep	3171	3837	1136316	198	1469	98
22-Sep	3177	3889	1140740	202	1489	98
23-Sep	3189	3929	1147640	202	1507	98
24-Sep	3197	3983	1160108	210	1519	98
25-Sep	3209	4051	1176740	220	1531	104
26-Sep	3219	4105	1184610	230	1545	110
27-Sep	3221	4141	1190512	244	1559	110
28-Sep	3229	4191	1195142	248	1585	110
29-Sep	3241	4235	1201552	272	1599	110
30-Sep	3249	4649	1205898	300	1613	110
1-Oct	3249	4707	1208170	308	1623	110
2-Oct	3249	4729	1210260	312	1631	114
3-Oct	3253	4759	1212392	324	1635	114
4-Oct	3257	4783	1213840	328	1641	114
5-Oct	3259	4791	1214596	334	1643	114
6-Oct	3259	4811	1215258	336	1643	114
7-Oct	3263	4829	1216164	342	1653	114
8-Oct	3265	4865	1216862	352	1659	116
9-Oct	3265	4905	1217060	360	1659	116
10-Oct	3265	4913	1217060	368	1659	116
11-Oct	3267	4915	1217060	376	1659	116
12-Oct	3269	4923	1217060	386	1659	116
13-Oct	3269	4923	1217060	390	1659	116

Attachment 1a - BELLA COOLA RIVER TRIBUTARY PINK ESCAPEMENT EST

	12-Aug Week 33	19-Aug Week 34	26-Aug Week 35	2-Sep Week 36	9-Sep Week 37
AIRPORT SIDE CH		4000	4000	4000	0
CACOOHTIN (GLACIER)					
CLAYTON FALLS CRK	4000	4000	0		
FISH CREEK				320	
GARBAGE DUMP CRK				10	
GEORGE HALL CRK					
HAGENSBORG SLOUGH					
MCOLL FLATS SIDE CH					
MILL POND CREEK					
MOLLY WALKER					
MORENO SIDE CH					
NOOHALK CRK	50	80	180	480	
NOOKLIKLONNIK CRK				20	
NOOSGULCH RIVER					
NUSATSUM CRK					
ROD & GUN CLUB CRK					
SALOOMPT RIVER	40000	45000	0	50000	
SALOOMPT RD/HWY 20 JCT					
SAWMILL CREEK					
SKIMLETS CREEK		0			
SNOOTLI CREEK	50	110	0	4810	
SVISDHAL SIDE CH					
TALCHAKO RIVER					
TATSQUAN CREEK	40	40	0		
THORSEN CREEK	500	4000	4000	4000	
TSEAPSEAHOLZ (BIG CRK)					
WALKER ISLAND CRK			0		200

# Attachment 1 - BELLA COOLA RIVER TRIBUTARY CHUM ESCAPEMENT COUNTS - 2000

TARGET ESCAPEMENT - 60000 SUMMER CHUMS

Week ending	22-Jul Week 30	29-Jul Week 31	5-Aug Week 32	12-Aug Week 33	19-Aug Week 34	26-Aug Week 35	2-Sep Week 36	9-Sep Week 37
AIRPORT SIDE CH		90	290	790	1910	3310	3590	
CACOOHTIN (GLACIER)								
CLAYTON FALLS CRK		5	10	35	60			
FISH CREEK		0	20	125	261	281	304	
GARBAGE DUMP CRK		0	0	0	0	0	15	
GEORGE HALL CRK		0	0	0	0	30	65	
HAGENSBOG SLOUGH								
MCOLL FLATS SIDE CH								
MILL POND CREEK								
MOLLY WALKER								
MORENO SIDE CH								
NOOHALK CRK		20	160	304	359	569	809	
NOOKLIKLONNIK CRK		120	444	1389	4189	5939	6539	
NOOSGULCH RIVER								
NUSATSUM CRK		50	149	269	549			
ROD & GUN CLUB CRK								
SALOOMPT RIVER		70	165	315	1125		2075	
SALOOMPT RD/HWY 20 JCT								
SAWMILL CREEK								
SKIMLETS CREEK		0	0	0	0	0	0	
SNOOTLI CREEK		135	610	1275	2555	3555	3785	3917
SVISDHAL SIDE CH								
TALCHAKO RIVER								
TATSQUAN CREEK		40	250	550	788			
THORSEN CREEK		220	780	2300	4425	6105	6555	
TSEAPSEAHOLZ (BIG CRK)								
WALKER ISLAND CRK		10	35	50	90			120

TOTAL OBSERVED # OF FISH            0        760        2913        7402        16311        19789        23737

EXPANDED TOTAL ESCAPEME	0	2660	10196	25907	57089	69262	83080
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AVERAGE (1980-90) OBS COUN        178        1360        3617        6724        11121        13631        14469        15026

% ABOVE/BELOW AVG COUNT        0.0%        55.9%        80.5%        110.1%        146.7%        145.2%        164.1%        0.0%

\*EXPANSION FACTOR USED IS 3.5 \* THE TOTAL OBSERVED # OF FISH. THIS IS THE AVERAGE EXPANSION USED FOR THE PERIOD 1980 - 1990.

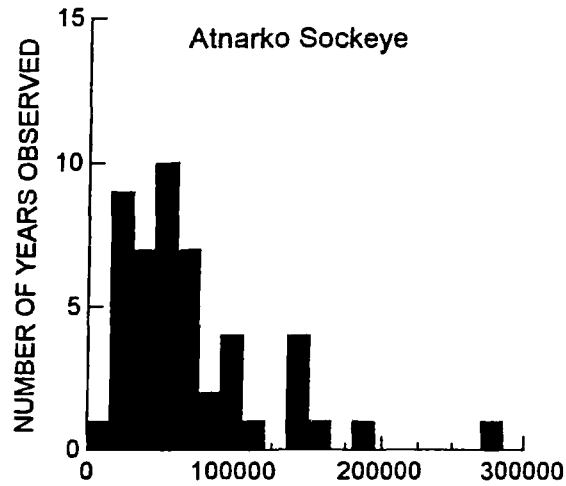
AREA 8 SOCKEYE EXPECTATIONS - 2001

SUB AREA:	STOCKS	YEAR	BROOD ESC	AGE		PROJECTED	AVAILABLE	DEFICIT	
				% AGE	COMP				SPECIFIC
						STOCK			
South Bentlack	Others (1)	1997	Unk	78.6		0	50	0	-46
		1996	10	21.5		4			
						Total=	4		
North Bentlack	Atnarko River	1997	20000	78.6			75000	0	-45300
		1996	45000	21.5					
						Total=	29700		
Upper Dean Chan.	Kimsquit River	1997	5000	78.6			30000	0	-23200
		1996	20000	21.5					
						Total=	6800		
	Others (1)	1997	300	78.6	1.5	435	1500	0	-655
		1996	1000	21.5	0.4	410			
						Total=	845		
Dean Closed	Others (2)	1997	2	78.6	1.5	3	200	0	-187
		1996	25	21.5	0.4	10			
						Total=	13		
Burke Chansel	None								
Fisher/Fitthugh	Koeve River	1997	Unk	78.6	1.5	0	20000	0	-19877
		1996	300	21.5	0.4	123			
						Total=	123		
	Others (3)	1997	Unk	78.6	1.5	0	12000	0	-11775
		1996	550	21.5	0.4	226			
						Total=	226		
ACTIVE STOCKS (3)=						36623	125000	0	
OTHERS (7)=						1088	13750	0	
TOTAL=						37711	138750	0	

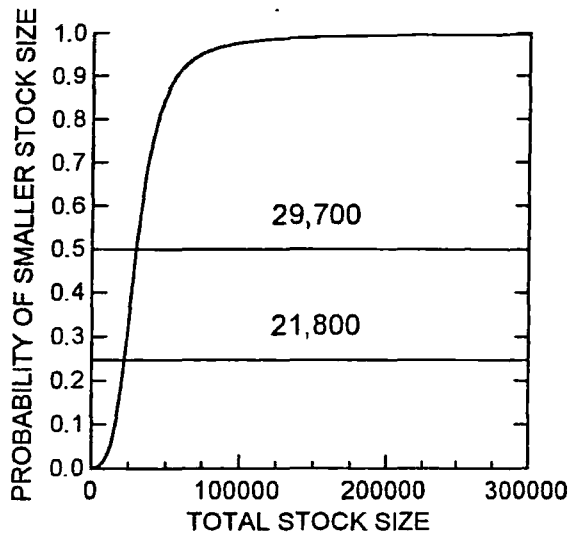
Forecasts for Atnarko and Kimsquit Sockeye prepared by the Stock Assessment Division.

The forecast has a 50% probability that the returning run could be higher.

A. Historical distribution of stock sizes



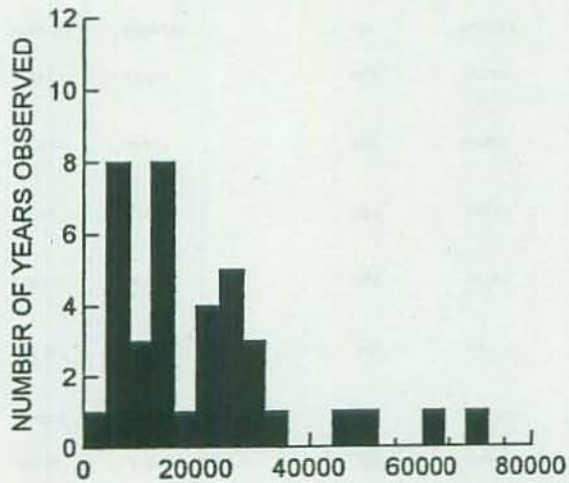
B. Forecast of stock size in 2001



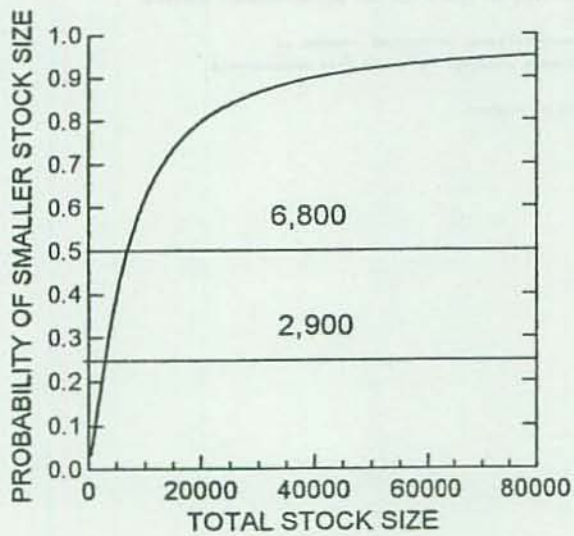
The forecasted cumulative probability distribution for total stock size in 2001 for Atnarko River sockeye salmon

A. Historical distribution of stock sizes

Kimsquit Sockeye



B. Forecast of stock size in 2001



The forecasted cumulative probability distribution for total stock size in 2001 for Kimsquit Lake sockeye salmon

AREA 8 PINK EXPECTATIONS - 2001

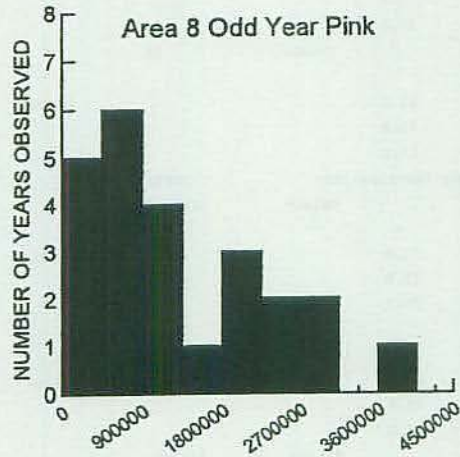
SUB AREA:	STOCKS	YEAR	BROOD ESC	% AGE COMP	RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
South Bentinck	Others (4)	1999	Unk	100		0	45500	0	-45500
North Bentinck	Atnarko River	1999	800000	100		1189463	1000000	189463	NA
	Others (4)	1999	14250	100		21187	36000	0	-14813
Upper Deaa Chan.	Others (4)	1999	12000	100		17842	71500	0	-53658
Dean Closed	Others (7)	1999	14620	100		21737	76500	0	-54763
Burke Channel	Kvatna River	1999	30000	100		44605	100000	0	-55395
	Others (2)	1999	560	100		833	15000	0	-14167
Fisher/Fitzhugh	Koeye River	1999	60000	100		89210	100000	0	-10790
	Others (9)	1999	5800	100		8624	30900	0	-22276
						ACTIVE STOCKS (2) =	1323277	1200000	189463
						OTHERS (30) =	70223	275400	0
						TOTAL =	1393500	1475400	189463

Atnarko spawning channel commenced operation in 1986 and is included in others for the North Bentinck Subarea.

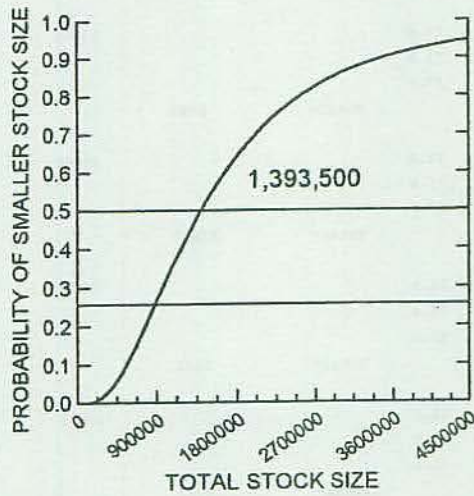
The forecast for Area 8 Pink was prepared by the Stock Assessment Division. Projected returns to individual systems was determined by proportioning the total Area 8 forecast by brood year escapements.

The forecast has a 50% probability that the returning run could be higher.

A. Historical distribution of stock sizes



B. Forecast of stock sizes in 2001



The forecasted cumulative probability distribution for total stock size in 2001 for Area 8 pink salmon

AREA 8 CHUM EXPECTATIONS - 2001

SUB AREA:	STOCKS	YEAR	BROOD ESC	% AGE COMP	AGE	PROJECTED	TARGET	AVAILABLE	DEFICIT
					SPECIFIC RETURN RATE	RETURNING STOCK		SURPLUS	
South Bentinck	Others (4)	1998	50	11.0			21250	0	-21199
		1997	Unk	71.8					
		1996	60	17.2					
						Total=	51		
North Bentinck	Bella Coola River	1998	140000	11.0			60000	173846	NA
		1997	85000	71.8					
		1996	90000	17.2					
						Snootli Creek Hatchery Contribution=	88282		
					Total=	233846			
	Others (4)	1998	11165	11.0			15500	0	-3338
		1997	13050	71.8					
1996		2104	17.2						
					Total=	12162			
Upper Dean Chan.	Kinsquit River	1998	115000	11.0			60000	51368	NA
		1997	67000	71.8					
		1996	59000	17.2					
						Total=	111368		
	Others (4)	1998	23000	11.0			25200	0	-11006
		1997	4000	71.8					
		1996	3715	17.2					
					Total=	14194			
Dean Closed	Cascade River	1998	12000	11.0			12000	0	-3220
		1997	3000	71.8					
		1996	4000	17.2					
						Total=	8780		
	Elcho Creek	1998	15000	11.0			20000	2643	NA
		1997	6000	71.8					
		1996	28000	17.2					
						Total=	22643		
	Jenny Bay Creeks	1998	2400	11.0			6000	0	-3458
		1997	1300	71.8					
		1996	1800	17.2					
						Total=	2542		
	Others (3)	1998	4800	11.0			12500	0	-4767
1997		2525	71.8						
1996		9410	17.2						
					Total=	7733			

AREA 8 CHUM EXPECTATIONS - 2001

SUB AREA:	STOCKS	YEAR	BROOD ESC	% AGE COMP	AGE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
					SPECIFIC RETURN RATE				
Burke Channel	Others (3)	1998	4200	11.0			35000	0	-20582
		1997	8000	71.8					
		1996	19000	17.2					
					Total=	14418			
Fisher/Fitzhugh	Others (10)	1998	3720	11.0			29650	0	-23888
		1997	6500	71.8					
		1996	2250	17.2					
					Total=	5762			
				ACTIVE STOCKS (3)=	379180	158000	227858		
				OTHERS (28)=	54320	109450	0		
				TOTAL=	433500	267450	227858		

Total Area 8 target escapement does not include fall chum targets for the Bella Coola and Martin Rivers and therefore will disagree with the total Area 8 target escapement in the "Salmon Escapement And Timing Data" report.

Atnarko spawning channel in operation in 1986 and is included in others for the North Bentinck Subarea.

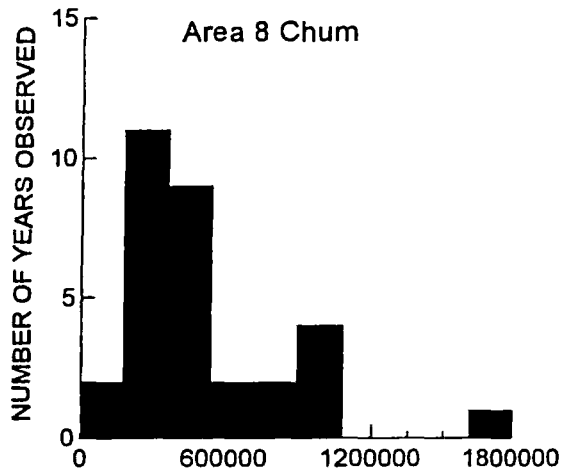
Age specific return rates are: 3's (.42), 4's (2.29), 5's (.43).

The forecast for Area 8 Chum was prepared by the Stock Assessment Division. Projected returns to individual systems was determined by proportioning the total Area 8 forecast by brood year escapements.

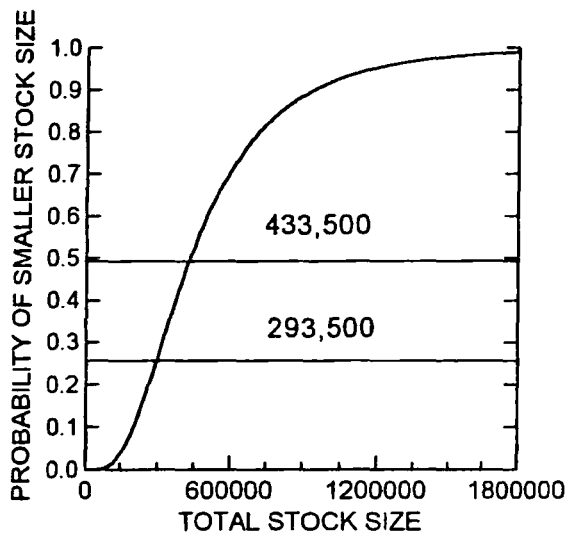
The forecast has a 50% probability that the returning run could be higher.



A. Historical distribution of stock sizes



B. Forecast of stock size in 2001



The forecasted cumulative probability distribution for total stock size in 2001 for Area 8 chum salmon

AREA 8 CHINOOK EXPECTATIONS - 2001

SUB AREA:	STOCKS	YEAR	BROOD ESC	AGE SPECIFIC		PROJECTED RETURNING STOCK	TARGET	AVAILABLE	
				% AGE COMP	RETURN RATE			SURPLUS	DEFICIT
South Bentinck	Others (2)	1998	Unk	7.14	0.099	0	1000	0	-1000
		1997	Unk	26.77	0.396	0			
		1996	Unk	56.36	0.85	0			
		1995	Unk	9.73	0.135	0			
		Total=				0			
North Bentinck	Atnarko River	1998	22000	7.14	0.099	2178	25000	9952	NA
		1997	18000	26.77	0.396	7128			
		1996	25000	56.36	0.85	21150			
		1995	32000	9.73	0.135	4320			
		Snootli Creek Hatchery Contribution=					2354		
	Total=				34952				
	Others (1)	1998	N/I	7.14	0.099	0	0	529	NA
		1997	50	26.77	0.396	20			
		1996	600	56.36	0.85	508			
		1995	10	9.73	0.135	1			
Total=					529				
Upper Dean Chan.	Dean River	1998	3000	7.14	0.099	297	12000	0	-9605
		1997	1400	26.77	0.396	554			
		1996	2000	56.36	0.85	1692			
		1995	1100	9.73	0.135	149			
		Total=				2395			
	Others (1)	1998	Unk	7.14	0.099	0	4000	0	-4000
		1997	Unk	26.77	0.396	0			
		1996	Unk	56.36	0.85	0			
		1995	N/I	9.73	0.135	0			
		Total=				0			
Dean Closed	Others (1)	1998	Unk	7.14	0.099	0	100	0	-100
		1997	Unk	26.77	0.396	0			
		1996	Unk	56.36	0.85	0			
		1995	Unk	9.73	0.135	0			
		Total=				0			
Burke Channel	Others (1)	1998	Unk	7.14	0.099	0	500	0	-500
		1997	Unk	26.77	0.396	0			
		1996	Unk	56.36	0.85	0			
		1995	N/I	9.73	0.135	0			
		Total=				0			
Fisher/Fitzhugh	None					ACTIVE STOCKS (2)=	37347	37000	9952
						OTHERS (6)=	529	5600	529
				TOTAL=		37876	42600	10481	

Snootli Creek Hatchery contribution supplied by S.E.P. Enhancement Operations.  
 Projected returning stock does not include Age 3 Chinook.  
 Atnarko spawning channel in operation in 1986 and is included in others.  
 Age composition and age specific return rate are based on Atnarko River.  
 Age specific return rates are: 3's (.11), 4's (.44), 5's (.94), 6's (.15). Return rates reduced

AREA 8 SOCKEYE

YEAR	CATCH	ESC	TOTAL STOCK
1960	86947	48518	135465
1961	126525	39776	166301
1962	163881	81500	245381
1963	151808	56500	208308
1964	306359	33550	339909
1965	77756	15250	93006
1966	82892	18275	101167
1967	234087	55800	289887
1968	95298	13750	109048
1969	43686	45750	89436
1970	99837	30000	129837
1971	167053	169200	336253
1972	85620	49925	135545
1973	221619	93325	314944
1974	125049	63225	188274
1975	225969	84650	310619
1976	202152	66625	268777
1977	88337	45845	134182
1978	50865	33050	83915
1979	220134	44575	264709
1980	161439	35300	196739
1981	179113	52581	231694
1982	36409	37555	73964
1983	132482	57975	190457
1984	43470	64335	107805
1985	148800	70870	219670
1986	132206	40748	172954
1987	213903	55570	269473
1988	166607	44655	211262
1989	33511	29338	62849
1990	122937	28455	151392
1991	106078	80869	186947
1992	109475	55481	164956
1993	61767	29702	91469
1994	222804	26441	249245
1995	69495	55016	124511
1996	24988	66885	91873
1997	31576	25302	56878
1998	21924	30166	52090
1999	5757	29300	35057
2000	2654	25290	27944

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

\*-1999 and 2000 are Preliminary Catch Figures.  
Net Catch Only.

AREA 8 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK	RETURN RATE
1960	1480795	1571265	3052060	
1962	12144042	3910088	16054130	10.2
1964	2830894	763125	3594019	0.9
1966	2120002	939850	3059852	4.0
1968	5333886	2095000	7428886	7.9
1970	2012361	731100	2743461	1.3
1972	1084772	1356100	2440872	3.3
1974	2765920	1469400	4235320	3.1
1976	1918846	1382200	3301046	2.2
1978	1685105	2293475	3978580	2.9
1980	860375	1127725	1988100	0.9
1982	39178	195590	234768	0.2
1984	171065	967210	1138275	5.8
1986	3420738	3271535	6692273	6.9
1988	8707244	5204570	13911814	4.3
1990	3635064	2759835	6394899	1.2
1992	2708363	4614400	7322763	2.7
1994	561940	367790	929730	0.2
1996	396416	1844345	2240761	6.1
1998	520841	626245	1147086	0.6
2000	76913	1613050	1689963	2.7

AREA 8 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK	RETURN RATE
1961	1733893	1249004	2982897	
1963	2018970	748425	2767395	2.2
1965	579198	222100	801298	1.1
1967	20017	66310	86327	0.4
1969	18059	59925	77984	1.2
1971	35813	257150	292963	4.9
1973	56780	166875	223655	0.9
1975	90486	150100	240586	1.4
1977	94109	434690	528799	3.5
1979	682007	1123325	1805332	4.2
1981	1608602	737360	2345962	2.1
1983	785966	1420270	2206236	3.0
1985	1215393	2793620	4009013	2.8
1987	397181	383056	780237	0.3
1989	158392	522529	680921	1.8
1991	114161	2399345	2513506	4.8
1993	257859	1184713	1442572	0.6
1995	236520	629099	865619	0.7
1997	426912	1454210	1881122	3.0
1999	125302	937230	1062532	0.7

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

\*--1999 and 2000 are Preliminary Catch Figures.

Net Catch Only.

AREA 8 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	139890	93187	233077
1961	171459	92965	264424
1962	346843	150725	497568
1963	318880	236650	555530
1964	347420	209225	556645
1965	48903	13600	62503
1966	199667	135325	334992
1967	90056	90500	180556
1968	281551	284250	565801
1969	97924	84600	182524
1970	355322	275400	630722
1971	60495	82875	143370
1972	233331	221375	454706
1973	251163	277775	528938
1974	197682	146800	344482
1975	134519	83575	218094
1976	333654	125000	458654
1977	79524	122950	202474
1978	125418	49135	174553
1979	209301	99485	308786
1980	333663	123475	457138
1981	302602	107090	409692
1982	181316	129380	310696
1983	330157	155045	485202
1984	69557	132260	201817
1985	525808	220865	746673
1986	1505430	266222	1771652
1987	520155	138170	658325
1988	845485	201537	1047022
1989	236943	121789	358732
1990	686023	285515	971538
1991	234988	84607	319595
1992	155864	112447	268311
1993	186617	133188	319805
1994	493609	244997	738606
1995	708638	204550	913188
1996	275764	219339	495103
1997	234803	196375	431178
1998	641715	331335	973050
1999	178258	188800	367058
2000	53165	181875	235040

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

\*-1999 and 2000 are Preliminary Catch Figures.

Net Catch Only.

AREA 8 CHINOOK

YEAR	CATCH	ESC	TOTAL STOCK
1960	9761	7500	17261
1961	13116	15000	28116
1962	16622	7500	24122
1963	17259	20000	37259
1964	27401	20750	48151
1965	22904	24250	47154
1966	19062	18650	37712
1967	22131	29250	51381
1968	21355	26300	47655
1969	12299	13900	26199
1970	25298	13250	38548
1971	11762	33400	45162
1972	18555	21075	39630
1973	30910	19950	50860
1974	28316	20425	48741
1975	30680	8425	39105
1976	23445	16550	39995
1977	13430	15600	29030
1978	15584	19000	34584
1979	26248	9100	35348
1980	20079	9729	29808
1981	12779	8100	20879
1982	9533	8220	17753
1983	16260	9230	25490
1984	4001	20020	24021
1985	10718	32110	42828
1986	22289	24862	47151
1987	7156	15956	23112
1988	10712	16700	27412
1989	4586	24635	29221
1990	16746	19393	36139
1991	9524	20410	29934
1992	12192	31347	43539
1993	8758	36900	45658
1994	13359	29300	42659
1995	10463	33110	43573
1996	6374	27600	33974
1997	3344	19450	22794
1998	5187	25000	30187
1999	3960	26800	30760
2000	4031	26200	30231

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

\*-1999 and 2000 are Preliminary Catch Figures.

Net Catch Only.

Revised fishing plans as per the expectation meeting on Nov 10/00.

2000 SALMON EXPECTATIONS - AREA 8

- Sockeye:** There are no Sockeye surpluses expected for the Atnarko or Kimsquit Rivers.
- Pink:** A surplus of approximately 190,000 has been forecast to Area 8 this year. This surplus is mainly to the Atnarko River.
- Chum:** A surplus of approximately 228,000 Chum is predicted for Area 8. The surplus to the Bella Coola River is predicted at approximately 174,000 of which 88,000 is the hatchery contribution. A surplus of 51,000 is identified for the Kimsquit River.
- Chinook:** There is an expected surplus of approximately 10,000 Atnarko Chinook anticipated.

POTENTIAL COMMERCIAL NET OPENING DATES

Effective Date Action

- June 4 (Mon) Open to gillnets for 1 day in Subareas 8-10, 8-11, 8-12 (North of Bensins Island), 8-13 (North of the Southern most point in Restoration Bay) and 8-15.
- Minimum mesh restriction of 203mm will be in effect. Further Chinook openings will depend on stock strength.
- July 2 (Mon) Open to gillnets for 1 day in Subareas 8-3, 8-4, 8-5, 8-10, 8-11, 8-12 (North of Bensins Island) 8-15. Minimum mesh restriction of 149 mm.

July 23 (Mon)

Open to gillnets and seines for 1 day in Subareas 8-4 (East of Daedalus Point to Hergest Point) and a portion of 8-5 south of a line from boundary sign 0.7 miles north of Farewell point, to a boundary sign 0.7 miles north of Bold point

Open to gillnets for 1 day in Subareas 8-8, 8-10, 8-11, 8-12 (North of Bensins Island), and 8-15.

Subsequent openings will depend on inseason management actions based on run strength and input from advisors.

Any openings in 8-5 north of Bold Pt. and 8-8 will depend on Chum strength and any potential openings will be subject to Steelhead conservation measures outlined below.

**Gillnet Restrictions:**

Gillnets are required to use a weedline 100 cm to 154 cm (40 to 60 inches) below the corkline in 8-5 north of Bold Pt. and 8-8.

**Seine Restrictions:**

Mandatory release of Steelhead by seines in 8-5 north of Bold Point.

**Seine Steelhead Release Procedure:**

Seines are required to dry up sets alongside their vessel. Using a skiff and a small dip net, Steelhead are to be removed from the pursed seine net. The remaining Salmon are then to be brailed onto the deck and any remaining Steelhead carefully released. In the event of large sets, Salmon shall be sorted from the pursed seine net into the brailer. Small dip nets work well for sorting Salmon and capturing Steelhead from the seine net. It is not acceptable to bring fish over the stern or use stern ramps.

Non-compliance with the seine Steelhead release procedure may result in closure of the fishing area.

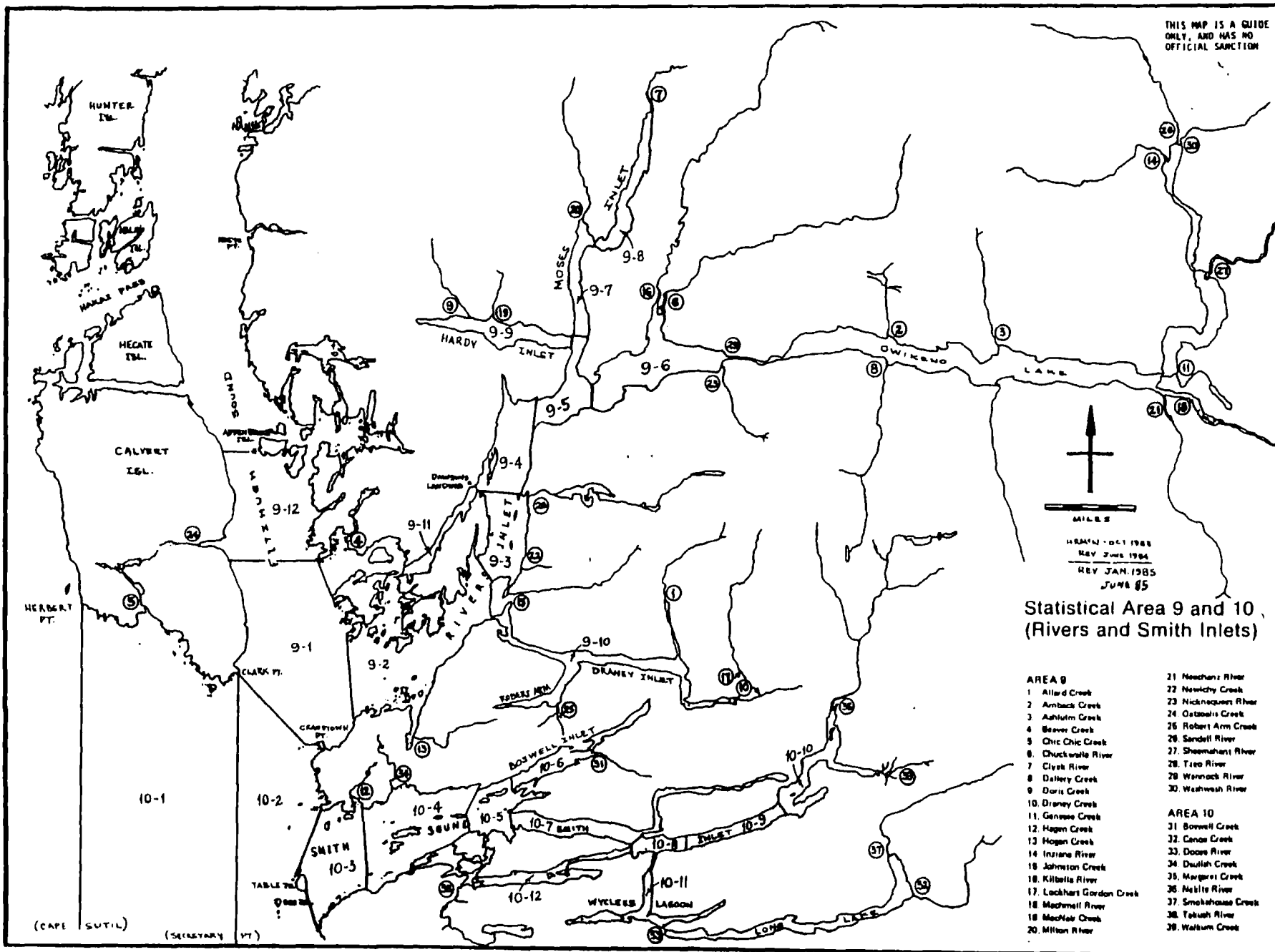
**Notes:**

1. Gillnet Weedlines for Steelhead will be in effect during the period from July 2 to August 18 in 8-5 North of a portion of 8-5 south of a line from boundary sign 0.7 miles north of Farewell point, to a boundary sign 0.7 miles north of Bold point

2. Commercial fisheries in Area 8 will be closed for 3 consecutive days in every week to protect weaker non-target salmon stocks.

3. A joint Area 7 and Area 8 in-season advisory meeting is scheduled for Thursday morning July 26, 2001 at Bella Bella.

4. The seine opening date will be reviewed in conjunction with other seine openings on the North Coast. Coho non-retention will be in effect.



2000 POST SEASON SUMMARY AND ASSESSMENT

AREA 9 - RIVERS INLET SUB-DISTRICT

1. Preseason Expectations - Net Fishery:

	Sockeye	Pink	Chum	Chin
Expected Return	17000	441500	43300	N/A
Target Escapement	N/A	342450	150700	22700
Surplus	0	223434	0	0

Note that in the total summary above, surpluses and deficits mask on another. Surpluses are calculated from individual stocks.

2. Postseason Catch:

	Sockeye	Coho	Pink	Chum	Chin	Jack	StHd
<b>Commercial Field Catches:</b>							
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	Unk	Unk	Unk	Unk	Unk	Unk	Unk
<b>Sport Catches:</b>							
Tidal	0	3997	3671	356	1427	Unk	Unk
Non-Tidal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>							
<b>I.F.F. Catches:</b>							
Tidal	0	0	0	0	0	0	0
Non-Tidal	200	100	100	0	0	0	0
Total	200	100	100	0	0	0	0

3. Escapement:

	Sockeye	Coho	Pink	Chum	Chin
2000	21100	Unk	316445	35135	Unk
Target	N/A	Unk	342450	150700	22700

4. Commercial Fishery Stats:

	Date Of First Fishery	Date Of Last Fishery	Date Of CFB	Total Days Fishing	Total Accum Effort
Seine	N/A	N/A	N/A	0	0
Gillnet	N/A	N/A	N/A	0	0
Troll	N/A	N/A	N/A	0	0

5. Proposed General Fishing Plan:

Revised fishing plans as per the expectation meeting on Nov 18/99.

2000 SALMON EXPECTATIONS - Area 9

**Sockeye:** The total projected returning stock of sockeye to Rivers Inlet is estimated to be 17,000 with a 75% chance that the return will be greater. The 1995 and 1996 brood year escapements are 73,000 and 65,000 respectively. The precautionary, risk averse approach to in-season management will be again adopted for 2000.

The strength of the sockeye return to Rivers and Smith Inlets has been highly correlated in past years; strong returns to Smith Inlet in 2000 would indicate good marine survival for both Rivers and Smith Inlets.

Based on this reasoning, the Docee River Counting Fence in Area 10 (Smith Inlet) will be used as an initial indicator of returns to Rivers Inlet.

Based on past correlation's, there is only a 16% chance that the Rivers Inlet run is less than 200,000 when the Docee Fence count exceeds 50,000 by Tuesday July 13th. A trigger value of 50,000 is sufficiently precautionary while still providing a reasonable expectation of harvest should the run be unexpectedly large.

**Pink:** There was a good return to the Kilbella and Chuckwalla Rivers in the brood year. A surplus of 223,000 has been forecast.

**Chum:** Brood year escapement continues to be extremely poor. No expected surplus.

## PROPOSED FISHING PATTERN

A modified assessment fishery will occur in Rivers Inlet only if the Docee Fence count reaches or exceeds 50,000 by Tuesday July 13th. The size of the commercial fishing area will be reduced from previous years during the modified assessment fishery to limit potential harvest rate. As in past assessment fisheries, the fishery will last 24 hours. The assessment fishery model will be used to assess run strength using catch rate and total catch information. Further commercial openings will depend on the results of the fishery and Docee Fence counts.

Coho non-retention may be in effect should a fishery occur.

### 6. Commercial Net Fishery Summary:

The Docee Fence count for 2000 did not reach 50,000 by Tuesday July 13th. The fence count on this date was 307, compared to 1999 escapement past the fence for July 11<sup>th</sup> of 40. Therefore, as per the preseason fishing plan, a commercial net fishery did not occur in Rivers Inlet in 2000.

### 7. Sport Fishery Summary:

A total of 11 lodges again operated in Rivers Inlet during 2000. As with last year large number of private vessels also operated this summer. A total of 3997 Coho and 1427 Chinook were caught this season. This is compared to 3018 Coho and 2859 Chinook in 1999. The Chinook catch for 1998 and 1997 was 2626 and 2179 respectively. The non-retention for Coho was again lifted for the 2000 season.

See Appendix II for a more detailed summary of catches for these fisheries. Also included in this table is release information.

### 8. Native Food, Social and Ceremonial Fishery (FSC) Summary:

The Sockeye forecast return to Owikeno Lake was estimated to be 17,000 this year. For this reason the Oweekeno Band was asked to not harvest any Sockeye for food fish. A total of 200 Sockeye, 100 Coho and 100 Pink were harvested this year for food fish. Fishing occurred in entirely in the Wannock River.

See Appendix III for a more complete summary of catches for this fishery.

#### 9. Escapement Summary:

##### SOCKEYE

The adult enumeration program started in mid August with the first visual counts occurring on August 14<sup>th</sup>. Counts continued until October 7<sup>th</sup>. High water conditions prevented any further inspections to be conducted. The Camp was closed for the season on October 20<sup>th</sup>. The total Sockeye escapement to Owikeno Lake was estimated to be 21,100.

This was the second year there was an eggtake program in Owikeno Lake. A hatchery was purchased and is now operational at the Snootli Creek Hatchery site in Bella Coola. Eggs will be incubated and hatched on site for release into their natal streams this coming spring. For details of the eggtake see Attachment 2.

##### COHO

More effort was directed at Coho enumeration in 2000 than last year. Escapement estimates are the best guess based on the information that was collected, given the fact that Coho are difficult to count and may spawn over a long period of time. Coho enumeration continues at this time.

##### PINK

In 2000 the total escapement was estimated at 316,445 Pink salmon, as compared to 118,550 in 1999 and 155,500 in 1998. This is approximately 93% of the target.

##### CHUM

Total chum salmon escapement to Area 9 this year was estimated to be 35,135, a considerable increase over 1999 (18,780). This escapement is not complete as enumeration is continuing in the Wannock River at this time.

##### CHINOOK

###### Chuckwalla River:

Final escapement of 898 adults was derived from an area-under-the-curve calculation based on a total of four helicopter counts of live fish. The Sept. 5 count was not included due to the poor

viewing conditions under which it was made. Escapement this year was considerably higher than last year, and historically high.

Kilbella River:

Final escapement of 1,232 adults was derived from an area-under-the-curve calculation based on a total of five helicopter counts of live fish. Escapement this year was lower than last year, though still high historically.

Ashlulm Creek:

Final escapement of 230 adults was derived from an area-under-the-curve calculation based on a total of four helicopter counts of live fish. The Sept. 5 count was not included due to the poor viewing conditions under which it was made. Escapement this year was exceptionally high, representing the highest recorded escapement for this system.

Neechanz Creek:

Final escapement of 149 adults was derived from an area-under-the-curve calculation based on a total of four helicopter counts of live fish. The Sept. 5 count was not included due to the poor viewing conditions under which it was made. Escapement this year was considerably higher than last year's estimate, though it is difficult to compare to historical escapements considering the generally poor viewing conditions for this river at the best of times.

Tzeo River:

Final escapement of 120 adults was derived from an area-under-the-curve calculation based on a total of four helicopter counts of live fish. The Sept. 5 count was not included due to the poor viewing conditions under which it was made. Escapement this year was three times higher than last year's estimate, and is historically high.

Dallery Creek:

No live chinook were observed during five aerial inspections of this system. However, one carcass was found. Consequently, escapement to this system probably numbered <10. While inspections have only been intermittent in recent years, escapement has been estimated to be as high as 200 fish in the past.

Amback Creek:

No chinook were observed during any of the aerial flights. Although chinook have been reported to spawn in this system, there is little information available on historical abundance.

Washwash River:

No chinook were observed during any of the aerial flights. Historically, chinook have been observed spawning in this system. However, there is little information on recent abundance.

Inziana River:

No chinook were observed during ground surveys. This system has not been inspected for chinook in over 10 years. However, historical observations indicate that this system, at best, supports a very small population of chinook.

Marble Creek:

While this system is clear, heavy tree canopy makes it difficult to accurately count chinook from the air. Consequently, this system has not been inspected regularly. This year, through a series of four stream walks, an estimated 13 chinook spawned in this system based on an area-under-the-curve calculation. There are no historical records of escapement to judge whether escapement this year was unusual.

Rivers Inlet Chinook:

A moderately intensive program of aerial and stream-walk counts indicated that escapement of most spring/summer chinook stocks was considerably higher than recent recorded estimates of abundance. In some cases, escapement estimates were at record or near record levels. Early indications are that Wannock chinook escapement this year is higher than last year's record low of 500 fish.

See Appendix IV for escapements by stream.

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

Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Clyak/Neil/Young	50000	30000	60
Chuckwalla River	100000	140000	140
Johnston Creek	90000	75000	83
Kilbella River	50000	55000	110

Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Clyak/Neil/Young	40000	11000	27
Draney/Lockhart/Gordon	20000	23000	113
MacNair Creek	4500	400	8
Wannock River	40000	Unk	*

Wannock River Chum enumeration continues as of Nov. 8, 2000.

Attachment 1:

Summary of Rivers Inlet Chinook Projects Undertaken in 2000

In response to conservation concerns for some Rivers Inlet chinook stocks, a number of projects were initiated this summer to collect information that would help DFO to better manage these important stocks. In July, a creel survey was undertaken to provide information on chinook catch by both lodge guests and independent sport fishers. Radio tags were applied to chinook by volunteer fishers in the Special Management Zone that would provide information on run timing and movements of Wannock River chinook. In addition, a portion of these marked fish will be recovered during the fall dead pitch and may allow the calculation of a mark-recapture estimate of absolute escapement. The operation of a fishwheel, already in place within the Wannock River to monitor sockeye abundance, was extended in hopes of estimating mark rate independent of the dead pitch estimate. In addition to the above projects, extensive aerial and ground counts were conducted on all clear chinook streams entering Owikeno Lake, as well as on the Chuckwalla and Kilbella Rivers. These surveys provided not only estimates of escapement, but valuable information on life history.

Most projects met or exceeded expectations. The creel survey indicated that catch was down by approximately 40% from last year. However, it also showed that independent fishers catch similar numbers of fish as do lodge guests. Almost 90% of radio tagged fish (108) were ultimately detected by either fixed station receivers in the Wannock River, or by the mobile tracking unit. Only two fish moved to systems other than the Wannock (one each in the Chuckwalla and Kilbella). A large proportion of fish moved up into Owikeno Lake prior to moving back down into the Wannock to spawn. Radio tracking will continue until the first of December. Unfortunately, the Wannock fishwheel did not catch large numbers of any salmon species, with the exception of pinks. Consequently, this capture method did not provide an estimate of

mark rate. The Owikeno tributary surveys indicated that chinook escapement to these systems was significantly higher than previous recent returns. Escapement to the Kilbella and Chuckwalla were also historically high. Good numbers of biosamples were collected from the Ashlulm and Neechanz Rivers, with smaller numbers collected from the Tzeo, Dallery and Marble.

11. Appendices:

- Appendix I - Area 9 Weekly Net Catch Summary For 2000. N/A
- Appendix II - Area 9 Sport Fishery Catch Summary For 2000.
- Appendix III - Area 9 Native Food, Social and Ceremonial Fishery Catch (FSC) Summary For 2000.
- Appendix IV - Area 9 Escapement Summary For 2000.
- Attachment 1 - Summary of Rivers Inlet Chinook Projects Undertaken in 2000.
- Attachment 2 - Rivers Inlet Sockeye Recovery Eggtake Details

Appendix II - 2000 Area 9 Sportlodge Weekly Catch

Wk #	Bts	Hrs	Ang	RETAINED											RELEASED					SEALS				
				Sk	Co(M)	Co(U)	Pk	Cm	Ck(M)	Ck(U)	Hal	Lng	Rk	Ad Co(M)	Ad Co(U)	JuCo	Ck (L)	Ck (Sub)	Ck	Co	UnID			
26	111	1314	224	0	0	2	1	0	0	10	0	5	6	0	0	3	0	1	0	0	0			
27	220	2544	426	0	0	7	3	0	1	12	98	57	86	0	0	0	0	0	0	0	0			
28	288	2792	569	0	0	47	54	0	0	39	131	25	63	0	17	4	0	9	0	0	0			
29	400	3775	815	0	0	114	101	12	0	47	142	75	228	0	118	0	1	8	0	0	0			
30	406	3910	846	0	1	95	222	4	1	28	107	85	277	0	480	10	0	19	0	0	0			
31	682	6368	1453	0	0	222	678	6	7	90	104	46	178	0	597	42	10	101	0	0	12			
32	909	9071	1974	0	2	534	1221	8	6	132	87	43	105	0	1416	15	12	65	0	0	2			
33	1035	10081	2200	0	1	509	781	19	0	332	35	36	131	0	1445	18	8	42	0	0	0			
34	1108	11039	2339	0	1	588	339	24	2	298	19	15	100	0	1562	23	12	104	0	0	0			
35	1112	10644	2264	0	0	779	201	56	0	203	39	31	193	0	2555	47	4	365	1	0	0			
36	998	9454	2078	0	0	709	63	134	0	185	33	49	314	0	2793	66	19	218	31	98	0			
37	504	4699	1016	0	0	271	7	84	0	27	13	51	204	0	856	8	0	47	46	69	0			
38	166	1460	334	0	0	115	0	9	0	7	5	16	123	0	255	191	0	0	2	24	0			
Season Total				7939	77151	16538	0	5	3992	3671	356	17	1410	813	534	2008	0	12094	427	66	979	80	191	14

(M) - marked; (U) - unmarked; Ad - adult; Ju - juvenile; L-legal; Sub-sublegal; Un - Unknown; ID - identification

Lodges/Resorts operating in Area 9

Marjatta, Sivler Fox, Rivers Inlet Resort, King Salmon, Salmon King, Wadhams Outpost, Black Gold, Rivers Inlet Sportsman Club  
 Big Springs Resort, Bucks Trophy Lodge, Rivers Lodge

Appendix III - 2000 Oweekeno - FSC Catch in Area 9  
 from the Wannock River.

Week	Week # Sets		Sock	Coho	Pink	Chum	Chin	Jack	Sthd
	Ending	Effort							
27	01-Jul								
28	08-Jul								
29	15-Jul								
30	22-Jul								
31	29-Jul								
32	05-Aug								
33	12-Aug								
34	19-Aug								
35	26-Aug								
36	02-Sep								
37	09-Sep								
38	16-Sep								
39	23-Sep								
40	30-Sep								
41	07-Oct								
42	14-Oct								
43	21-Oct								
44	28-Oct								
45	04-Nov								
<b>Total</b>		<b>10</b>	<b>200</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Catch by week was unavailable

Appendix IV. 2000 Area 9 Escapements.

STREAM NAME	SX	CO	PK	CM	CK
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AREA 9 STREAMS

ALLARD CREEK		UNK	UNK	UNK	
AMBACK CREEK	5,010		2,100	100	
ASHLUM CREEK	1,225		740	100	230
BEAVER CREEK		UNK	300	100	
CHUCKWALLA RIVER		UNK	140,000		898
CLYAK RIVER		1,500	30,000	11,000	
DALLERY CREEK	785		1,750	25	
DRANEY CREEK			1,000	9,000	
GENESEE CREEK	50		65		
INZIANA RIVER	2,365				
JOHNSTON CREEK		UNK	75,000	300	
KILBELLA RIVER			55,000	UNK	1,232
LOCKHART GORDON CREEK		UNK	1,700	14,000	
MACHMELL RIVER	UNK				
MACNAIR CREEK			1,500	400	
MILTON RIVER			1,200	UNK	
NEECHANZ RIVER					
NEWICHY CREEK			50		
NICKNAQUEET RIVER			6,000	100	
OATSOALIS CREEK		UNK	UNK		
OWIKENO LAKE SPAWNERS					
SANDELL RIVER (TSEEISKAY R.)					
SHEEMAHANT RIVER					
TZEO RIVER					
WANNOCK RIVER AND FLATS					
WASHWASH RIVER	2,615		50	10	
<b>TOTAL</b>	<b>21,100</b>	<b>1,500</b>	<b>316,455</b>	<b>35,135</b>	<b>2,360</b>

Individual Sockeye escapements above are for clear water systems only. Total Sockeye escapement to Owikeno basin estimated from a clear stream index and is calculated to be 21,100.

Chum and Chinook escapements to the Wannock River are unavailable as of Nov. 9th as enumeration is still continuing.



## AREA 9 SOCKEYE EXPECTATIONS - 2001

STOCKS	YEAR	BROOD ESC	% AGE COMP	AGE SPECIFIC RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
Owikeno Lake	1997	276100	24			200000	0	-194400
	1996	65000	76					
				Total=	5600			
Other	1996	Unk	24		0	2000	0	-2000
	1995	Unk	76		0			
				Total=	0			
				ACTIVE STOCKS (1)=	5600	200000	0	
				OTHERS (1)=	0	2000	0	
				TOTAL=	5600	202000	0	

Forecast for Owikeno Lake Sockeye prepared by the Stock Assessment Division.  
This projection is based on the pessimistic expectation as defined in the Draft Recovery Plan.

Target of 200,000 set as minimal escapement requirement before harvest can occur.

Limit Reference Point (LRP) is set at 30,000.

Note – The following stock size projections are very preliminary and subject to change. They have been extracted from a draft document that has yet to be reviewed by Pacific Scientific Advice Review Committee (PSARC).

Sockeye salmon returns in 2001 for Owikeno Lake (Area 9) were predicted under two different scenarios; (1) a pessimistic scenario where recent poor survival rates (as measured for sea-entry year 1996) will continue for sea entry year 1998 and 1999; and (2) a optimistic scenario that assumes an average return/spawner rate for sea entry years 1998 and 1999.

Pessimistic expectation for 2001: 5,600 sockeye

Optimistic expectation for 2001: 318,300 sockeye

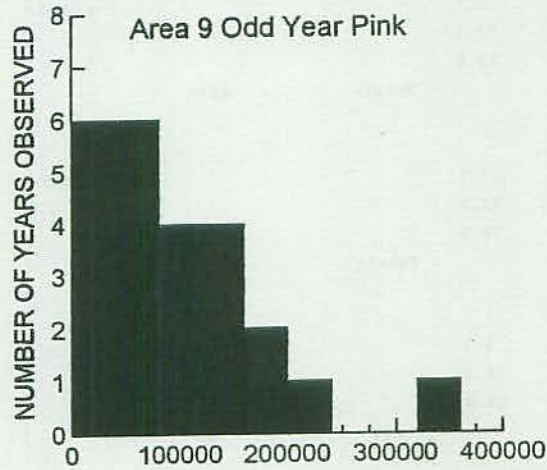
AREA 9 PINK EXPECTATIONS - 2001

STOCKS	YEAR	BROOD ESC	% AGE COMP	RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
Clyak-Niel-Young	1999	500	100		757	50000	0	-49243
Johnston Creek	1999	25000	100		37853	90000	0	-52147
Others	1999	93050	100		140890	202450	0	-61560
				ACTIVE STOCKS (2) -	38610	140000	0	
				OTHERS (17) -	140890	202450	0	
				TOTAL -	179500	342450	0	

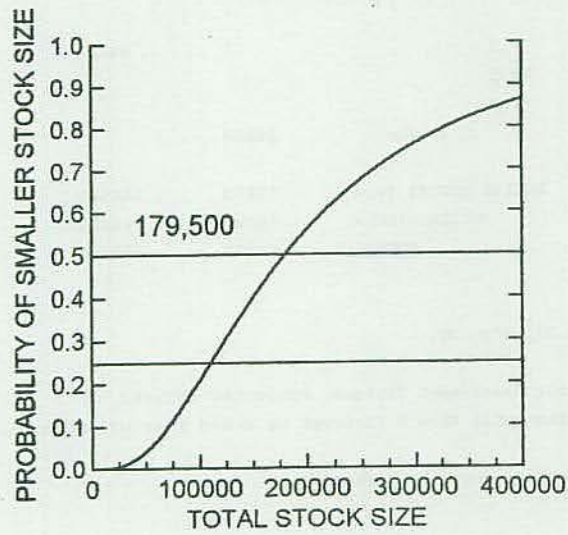
The forecast for Area 9 Pink was prepared by the Stock Assessment Division. Projected returns to individual systems was determined by proportioning the total Area 9 forecast by brood year escapements.

The forecast has a 50% probability that the returning run could be higher.

A. Historical distribution of stock sizes



B. Forecast of stock sizes in 2001



The forecasted cumulative probability distribution for total stock size in 2001 for Area 9 pink salmon

AREA 9 CHUM EXPECTATIONS - 2001

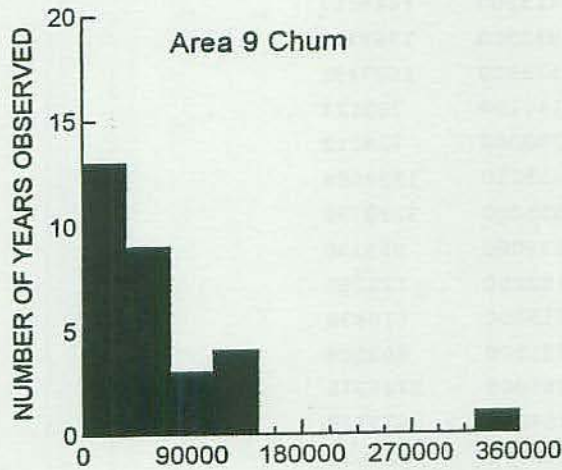
STOCKS	YEAR	BROOD ESC	% AGE COMP	AGE SPECIFIC RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
Clyak-Niel-Young	1998	4500	7.7			40000	0	-35567
	1997	600	72.5					
	1996	2100	19.8					
					Total=	4433		
Draney-Lockhart- Gordon	1998	5900	7.7			20000	0	-11503
	1997	2100	72.5					
	1996	5800	19.8					
					Total=	8497		
MacNair	1998	200	7.7			4500	0	-4192
	1997	100	72.5					
	1996	200	19.8					
					Total=	308		
Wannock	1998	Unk	7.7			40000	0	-36306
	1997	2000	72.5					
	1996	4000	19.8					
					Total=	3694		
Others	1998	36850	7.7			46200	0	-20133
	1997	4185	72.5					
	1996	1300	19.8					
					Total=	26067		
				ACTIVE STOCKS (4)=	16933	104500	0	
				OTHERS (16)=	26067	46200	0	
				TOTAL=	43000	150700	0	

The age specific return rates are: 3's (.1), 4's (1.3), 5's(.3).

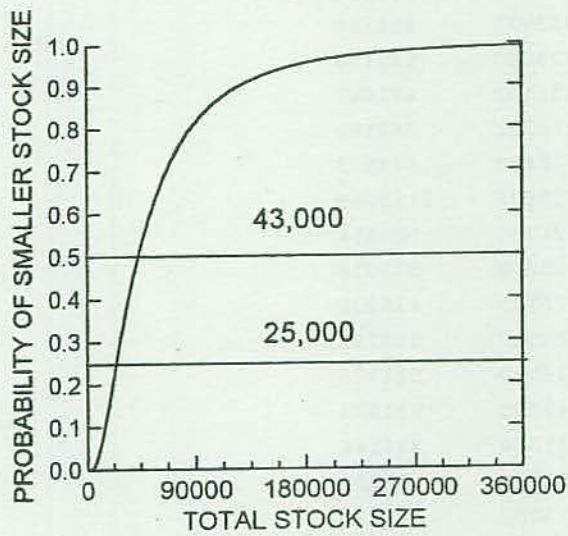
The forecast for Area 9 Chum was prepared by the Stock Assessment Divison. Projected returns to individual systems was determined by proportioning the total Area 9 forecast by brood year escapements.

The forecast has a 50% probability that the returning run could be higher.

A. Historical distribution of stock sizes



B. Forecast of stock size in 2001



The forecasted cumulative probability distribution for total stock size in 2001 for Area 9 chum salmon

AREA 9 SOCKEYE

YEAR	CATCH	ESC	TOTAL STOCK
1960	516503	68800	585303
1961	842953	161850	1004803
1962	1035917	413500	1449417
1963	437459	932500	1369959
1964	1053591	573900	1627491
1965	644974	140150	785124
1966	528212	200000	728212
1967	1102838	435250	1538088
1968	2665792	555000	3220792
1969	727330	226000	953330
1970	19019	102250	121269
1971	402538	215900	618438
1972	379006	221500	600506
1973	1761376	985000	2746376
1974	118704	557025	675729
1975	40631	480002	520633
1976	613666	300000	913666
1977	660469	191600	852069
1978	568682	383000	951682
1979	28349	297525	325874
1980	522	313000	313522
1981	98706	753075	851781
1982	39178	823000	862178
1983	35160	636502	671662
1984	53879	214301	268180
1985	184543	500430	684973
1986	337443	825626	1163069
1987	398854	521700	920554
1988	372018	503000	875018
1989	63746	375175	438921
1990	234281	585510	819791
1991	168226	346500	514726
1992	508068	343005	851073
1993	83146	311000	394146
1994	40320	91500	131820
1995	45524	73000	118524
1996	0	65000	65000
1997	0	276100	276100
1998	0	52020	52020
1999	0	3600	3600
2000	0	21100	21100

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

\*-1999 and 2000 are Preliminary Catch Figures.

Net Catch Only.

AREA 9 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK	RETURN RATE
1960	107915	5850	113765	
1962	657800	121925	779725	133.3
1964	207590	65350	272940	2.2
1966	256597	115075	371672	5.7
1968	878032	107525	985557	8.6
1970	185701	144175	329876	3.1
1972	810199	502450	1312649	9.1
1974	359834	214850	574684	1.1
1976	587501	256100	843601	3.9
1978	200668	109650	310318	1.2
1980	10856	135800	146656	1.3
1982	1944	100000	101944	0.8
1984	79742	138102	217844	2.2
1986	150779	289815	440594	3.2
1988	148784	242146	390930	1.3
1990	153369	257195	410564	1.7
1992	132940	158785	291725	1.1
1994	18980	97550	116530	0.7
1996	0	333200	333200	3.4
1998	0	155500	155500	0.5
2000	0	316445	316445	2.0

AREA 9 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK	RETURN RATE
1961	126641	21450	148091	
1963	35336	16775	52111	2.4
1965	29842	18875	48717	2.9
1967	30673	100	30773	1.6
1969	23093	525	23618	236.2
1971	24635	34205	58840	112.1
1973	89860	9765	99625	2.9
1975	27059	87150	114209	11.7
1977	190393	47600	237993	2.7
1979	23676	49350	73026	1.5
1981	103843	93050	196893	4.0
1983	11838	124275	136113	1.5
1985	75938	276700	352638	2.8
1987	107890	65187	173077	0.6
1989	4636	25624	30260	0.5
1991	2001	4986	6987	0.3
1993	2284	13100	15384	3.1
1995	661	18000	18661	1.4
1997	0	154800	154800	8.6
1999	0	118550	118550	0.8

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

\*-1999 and 2000 are Preliminary Catch Figures.  
Net Catch Only.

AREA 9 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	20529	16375	36904
1961	18213	17125	35338
1962	22999	25075	48074
1963	25101	44575	69676
1964	34055	66075	100130
1965	9172	925	10097
1966	16885	42500	59385
1967	19473	14925	34398
1968	40755	41875	82630
1969	39189	10325	49514
1970	103742	38600	142342
1971	16710	11855	28565
1972	27460	27581	55041
1973	46626	24425	71051
1974	40911	62075	102986
1975	8268	16600	24868
1976	20913	6345	27258
1977	42335	9790	52125
1978	55322	60800	116122
1979	9114	18550	27664
1980	9417	23675	33092
1981	7142	12650	19792
1982	11337	102180	113517
1983	4631	34976	39607
1984	11405	26689	38094
1985	18055	28653	46708
1986	155491	201220	356711
1987	36167	87923	124090
1988	39786	44423	84209
1989	9343	10363	19706
1990	18495	14830	33325
1991	5920	7182	13102
1992	20458	16450	36908
1993	3455	9960	13415
1994	10023	15465	25488
1995	18203	39345	57548
1996	0	16400	16400
1997	0	8985	8985
1998	0	47450	47450
1999	0	18780	18780
2000	0	35135	35135

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

\*-1999 and 2000 are Preliminary Catch Figures.

Net Catch Only.

2001 SALMON EXPECTATIONS - Area 9

**Sockeye:** The total projected returning stock of sockeye to Rivers Inlet is estimated to be 5,600. The 1996 and 1997 brood year escapements are 65,000 and 276,000 respectively. The precautionary, risk averse approach to in-season management will be again adopted for 2001. This year's projection is based on the pessimistic forecast as defined in the Draft Recovery Plan.

The strength of the sockeye return to Rivers and Smith Inlets has been highly correlated in past years; strong returns to Smith Inlet in 2001 would indicate good marine survival for both Rivers and Smith Inlets.

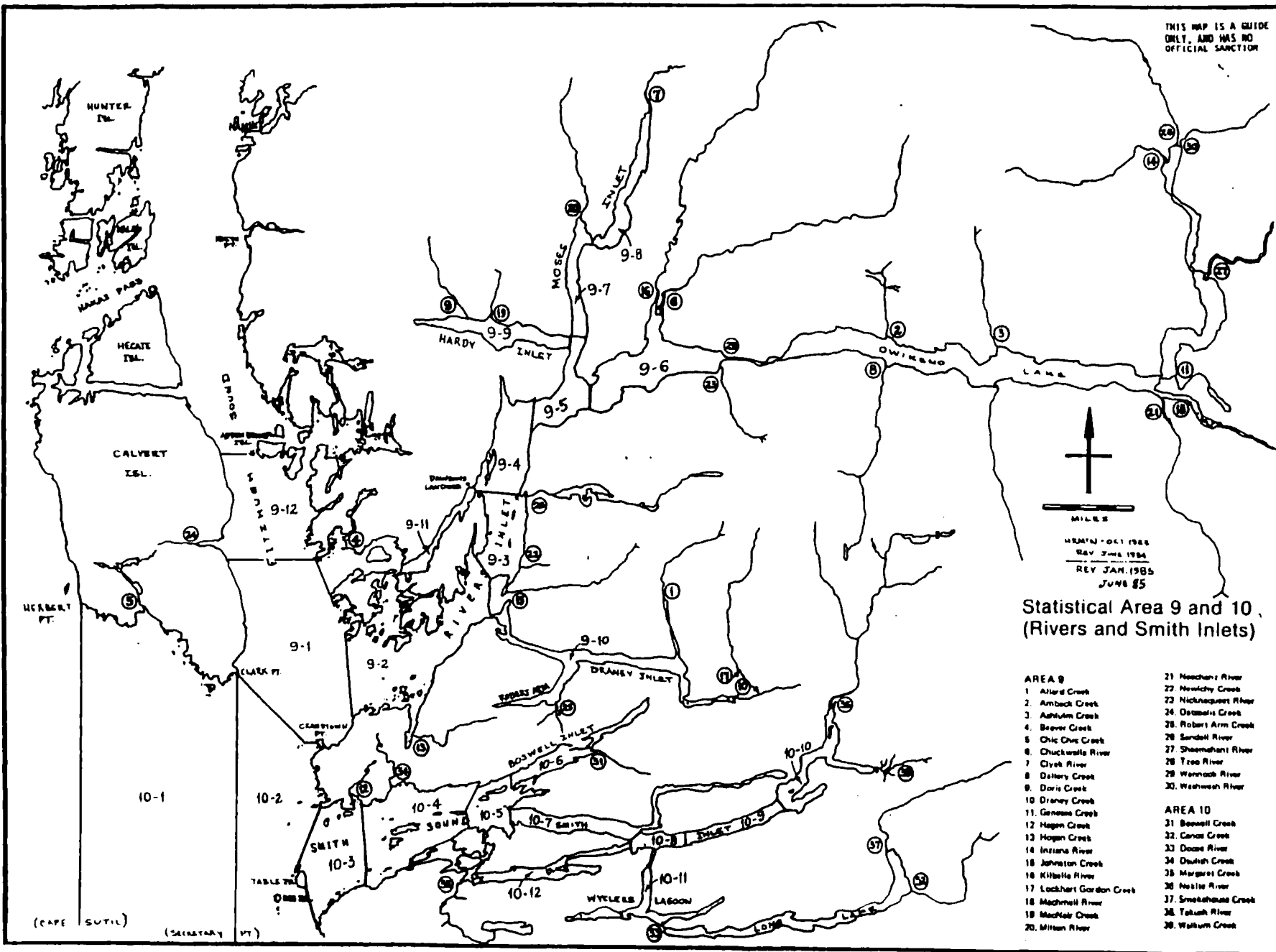
Based on this reasoning, the Docee River Counting Fence in Area 10 (Smith Inlet) will be used as an initial indicator of returns to Rivers Inlet.

**Pink:** The total projected forecast of Pink to Rivers Inlet this year is extremely poor. There is no expected surplus.

**Chum:** Brood year escapement continues to be extremely poor. There is no expected surplus.

POTENTIAL COMMERCIAL NET OPENING DATES

Due to the extremely poor forecast for 2001 and the current status of the Rivers Inlet Sockeye stock there will be no commercial net fishery occurring this year.



**2000 POST SEASON SUMMARY AND ASSESSMENT**

**AREA 10 - SMITHS INLET SUB-DISTRICT**

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

	Sockeye	Pink	Chum	Chin
Expected Return	16,400	3,700	35,300	N/A
Target Escapement	200,000	65,600	98,500	N/A
Surplus	0	0	0	N/A

Note that in the total summary above, surpluses and deficits mask on another. Surpluses are calculated from individual stocks.

**2. Postseason Catch:**

	Sockeye	Coho	Pink	Chum	Chin	Jack	StHd
<b>Commercial Field Catches:</b>							
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	UNK	UNK	UNK	UNK	UNK	UNK	UNK
<b>Sport Catches:</b>							
Tidal	UNK	UNK	UNK	UNK	UNK	UNK	UNK
Non-Tidal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	0	0	0	0	0	0	0
<b>I.F.F. Catches:</b>							
Tidal	0	0	0	0	0	0	0
Non-Tidal	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

**3. Escapement:**

	Sockeye	Coho	Pink	Chum	Chin
2000	1430	9700	Unk	200	500
Target	200000	Unk	65600	98500	6500

**4. Commercial Fishery Stats:**

	Date Of First Fishery	Date Of Last Fishery	Date Of CFB	Total Days Fishing	Total Accum Effort
Seine	N/A	N/A	N/A	0	0
Gillnet	N/A	N/A	N/A	0	0
Troll	N/A	N/A	N/A	0	0

**5. Proposed General Fishing Plan:**

Revised fishing plans as per the expectation meeting on Nov 18/99.

**2000 SALMON EXPECTATIONS - AREA 10**

**Sockeye:** The year 2000 total return to Smith Inlet is estimated to be 16,400 Sockeye with a 75% chance the return will be greater. The 1995 and 1996 brood year escapements are 57,000 and 54,000 respectively. No surplus is anticipated.

**Pink:** Brood year escapement continues to be extremely poor. No surplus projected.

**Chum:** Brood year escapement continues to be extremely poor. No surplus projected.

**PROPOSED FISHING PATTERN**

A fishery may occur in Smith Inlet dependant upon Docee River Fence counts. As in past years the Docee Fence Model will be used to determine total run strength of Long Lake sockeye. Outer Subarea 10-3 may remain closed if any fishery is conducted to protect Rivers Inlet Sockeye.

Coho non-retention may be in effect should a fishery occur.

6. Commercial Net Fishery Summary:

The Docee River Fence count for Sockeye continued to be poor throughout the season, final escapement was 1,430. No commercial fishery occurred in Smith Inlet in 2000.

7. Sport Fishery Summary:

There were no reports of any tidal water sport fishing effort in 2000.

8. Native Food, Social and Ceremonial Fishery (FSC) Summary:

The 2000 Sockeye forecast was expected to be approximately 16,400. For this reason the Gwa'Sala-'Nakwaxda'xw agreed not to take any Sockeye for food this year. No other Food Fishing occurred.

9. Escapement Summary:

SOCKEYE

Sockeye were enumerated through the Docee Fence. The fence operated from June 26<sup>th</sup> to Sept. 27<sup>th</sup>. Peak count of 309 for the day occurred July 15<sup>th</sup>. Sockeye returns to Long Lake were again extremely poor in 2000. Total stock size was only 1,430 sockeye. This is the poorest return on record and is of major concern as escapement levels are below conservation targets and the lower reference limit point of 8,000.

This was the first year an eggtake program occurred in Long Lake. It was extremely difficult to find Sockeye in both the Smokehouse and Canoe systems. Consequently, very few eggs were taken from these systems. A portable hatchery has been purchased and is now operational at the Snootli Creek Hatchery site. Eggs taken from Long Lake will be release this spring into their natal streams. For details of the Long Lake eggtake see Attachment 1.

A single acoustic and trawl survey was conducted at Long Lake to estimate the abundance and condition of juvenile sockeye and other limnetic fish (threespine sticklebacks) that use the lake as a nursery area. Additional analysis is required before there will be a quantitative estimate of juvenile sockeye abundance and size for Long Lake for this year. Cursory observations are as follows:

(i) juvenile sockeye abundance appears greatly reduced as expected from last year's low adult escapement,

(ii) juvenile sockeye growth over the summer and their size in Sept. were both higher than average as expected given limnetic fish abundance levels that will certainly be far below average,

(iii) juvenile sockeye and stickleback (the main competitor with sockeye in Long Lake) exhibited a high degree of spatial separation on this survey which should contribute to the generation of a reliable abundance estimate for both sockeye and sticklebacks for this survey date (*i.e. when the two species are mixed, the relative reliability of numeric estimates will be lower than when the species are spatially segregated*),

(iv) further results from analysis of Sept. 2000 acoustic records and biological samples for juvenile sockeye size, abundance and biomass comparisons will be provided once additional lab work is completed. Results should be available no later than the end of January, 2001.

(iv) a working paper summarizing annual size and abundance trends exhibited by Long Lake juvenile sockeye from 1980 to present will be completed for review at the November PSARC meeting. Some preliminary results from the year 2000 survey will be included in the working paper. However, analysis of the full range of biological samples obtained from the survey (e.g. sticklebacks, zooplankton) will not be completed until a later date.

#### COHO

Coho were again enumerated through the Docee Fence this year. Coho migration started July 5<sup>th</sup> and continued until the end of September. No Coho migrated past the fence during the last three days the Fence operated. The total Coho escapement past the fence for this year was 9,700.

#### PINK

There was no Pink assessment in Area 10 for this year.

#### CHUM

The Chum escapement of 200 is well below the target escapement of 98,500 target. There was very little Chum assessment conducted in Area 10 in 2000.

## CHINOOK

The Docee Fence operations were again extended this year to to enumerate Chinook (along with Coho) this year. A total of 48 Chinook were counted past the Fence this year compared to 123 in 1999. 500 Chinook were estimated to spawn in the Docee River in 2000. As in 1999 the Fence count was used in conjunction with a visual survey below the Fence to estimate the final escapement.

See Appendix IV for escapements by stream.

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

#### Pink Salmon:

Key Stream	Target Escapement	Current Year Escapement	% Of Target
Nekite River	65000	Unk	
Walkum Creek	500	Unk	

#### Chum Salmon:

Key Stream	Target Escapement	Current Year Escapement	% OF Target
Nekite River	60000	Unk	
Nekite Spawning Channel	16000	Unk	
Takush River	15000	200	1
Walkum River	7500	Unk	

### 11. Appendices:

- Appendix I - Area 10 Weekly Net Catch Summary For 2000. N/A
- Appendix II - Area 10 Sport Fishery Catch Summary For 2000.
- Appendix III - Area 10 Native Food, Social and Ceremonial Fishery Catch (FSC) Summary For 2000.
- Appendix IV - Area 10 Escapement Summary For 2000.
- Appendix V - Docee River Fence Count table for 2000.
  
- Attachment 1 - Smith Inlet Sockeye Recovery Eggtake Details

Appendix II - 2000 Area 10 Weekly Sport Fish Catches.

Week	Week Ending	Angler Days	# Rods	Sx	Co	Pk	Cm	Ck	Hal	Ling	Rock
25	17-Jun										
26	24-Jun										
27	1-Jul										
28	8-Jul										
29	15-Jul										
30	22-Jul										
31	29-Jul										
32	5-Aug										
33	12-Aug										
34	19-Aug										
35	26-Aug										
35	31-Aug										
36	7-Sep										
37	14-Sep										
38	21-Sep										
39	28-Sep										
Total			0	0	0	0	0	0	0	0	0

There were no reports of sport fishing in Smith Inlet in 2000.

Appendix III - 2000 Area 10 (Gwa'sala-'Nakwaxda'xw) FSC Catch.

Week	Week Ending	# Sets Effort	Sock	Coho	Pink	Chum	Chin	Jack	Sthd
27	01-Jul								
28	08-Jul								
29	15-Jul								
30	22-Jul								
31	29-Jul								
32	05-Aug								
33	12-Aug								
34	19-Aug								
35	26-Aug								
35	31-Aug								
36	07-Sep								
37	14-Sep								
38	21-Sep								
39	28-Sep								
40	05-Oct								
41	12-Oct								
42	19-Oct								
43	26-Oct								
44	02-Nov								
Total		0	0	0	0	0	0	0	0

Appendix IV. 2000 Area 10 Escapements.

STREAM NAME	SX	CO	PK	CM	CK
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AREA 10 STREAMS

CANOE CREEK	360				
COHO CREEK (BOSWELL CR.)					
DOCEE RIVER		9,700			500
NEKITE RIVER			UNK	UNK	
NEKITE SPAWNING CHANNEL			UNK	UNK	
SMOKEHOUSE CREEK	1,070				
TAKUSH RIVER			UNK	200	
WALKUM CREEK			UNK	UNK	
<b>TOTAL</b>	<b>1,430</b>	<b>9,700</b>	<b>0</b>	<b>200</b>	<b>500</b>

Appendix V - Docee River Fence Counts 2000

Date	Sockeye Count		Coho Count		Chinook Count	
	TFD	TTD	TFD	TTD	TFD	TTD
26-Jun-00	0	0	0	0	0	0
27-Jun-00	0	0	0	0	0	0
28-Jun-00	0	0	0	0	0	0
29-Jun-00	0	0	0	0	0	0
30-Jun-00	7	7	0	0	0	0
01-Jul-00	0	7	0	0	0	0
02-Jul-00	4	11	0	0	0	0
03-Jul-00	10	21	0	0	0	0
04-Jul-00	15	36	0	0	0	0
05-Jul-00	15	51	8	8	0	0
06-Jul-00	7	58	6	14	0	0
07-Jul-00	19	77	0	14	0	0
08-Jul-00	59	136	34	48	0	0
09-Jul-00	34	170	11	59	0	0
10-Jul-00	9	179	28	87	0	0
11-Jul-00	10	189	46	133	0	0
12-Jul-00	63	252	80	213	0	0
13-Jul-00	55	307	27	240	0	0
14-Jul-00	189	496	47	287	0	0
15-Jul-00	309	805	224	511	0	0
16-Jul-00	52	857	45	556	0	0
17-Jul-00	92	949	103	659	0	0
18-Jul-00	127	1076	71	730	0	0
19-Jul-00	71	1147	60	790	0	0
20-Jul-00	14	1161	110	900	0	0
21-Jul-00	5	1166	76	976	0	0
22-Jul-00	80	1246	121	1097	0	0
23-Jul-00	73	1319	94	1191	0	0
24-Jul-00	15	1334	237	1428	0	0
25-Jul-00	9	1343	79	1507	0	0
26-Jul-00	11	1354	99	1606	0	0
27-Jul-00	20	1374	165	1771	0	0
28-Jul-00	17	1391	136	1907	0	0
29-Jul-00	0	1391	78	1985	0	0
30-Jul-00	0	1391	120	2105	0	0
31-Jul-00	2	1393	17	2122	0	0
01-Aug-00	0	1393	92	2214	0	0
02-Aug-00	8	1401	152	2366	1	1
03-Aug-00	0	1401	224	2590	2	3
04-Aug-00	0	1401	383	2973	1	4
05-Aug-00	0	1401	54	3027	0	4
06-Aug-00	0	1401	64	3091	0	4
07-Aug-00	0	1401	50	3141	1	5
08-Aug-00	0	1401	277	3418	1	6
09-Aug-00	0	1401	336	3754	2	8
10-Aug-00	0	1401	381	4135	0	8

Continued on next page.

Appendix V - Docee River Fence Counts 2000 (Continued)

Date	Sockeye Count		Coho Count		Chinook Count	
	TFD	TTD	TFD	TTD	TFD	TTD
11-Aug-00	0	1401	127	4262	-2	6
12-Aug-00	0	1401	306	4568	1	7
13-Aug-00	29	1430	334	4902	0	7
14-Aug-00	0	1430	116	5018	0	7
15-Aug-00	0	1430	192	5210	0	7
16-Aug-00	0	1430	290	5500	0	7
17-Aug-00	0	1430	67	5567	0	7
18-Aug-00	0	1430	484	6051	1	8
19-Aug-00	0	1430	56	6107	1	9
20-Aug-00	0	1430	220	6327	1	10
21-Aug-00	0	1430	553	6880	0	10
22-Aug-00	0	1430	383	7263	-1	9
23-Aug-00	0	1430	385	7648	0	9
24-Aug-00	0	1430	375	8023	0	9
25-Aug-00	0	1430	51	8074	0	9
26-Aug-00	0	1430	73	8147	0	9
27-Aug-00	0	1430	72	8219	0	9
28-Aug-00	0	1430	50	8269	0	9
29-Aug-00	0	1430	132	8401	0	9
30-Aug-00	0	1430	116	8517	0	9
31-Aug-00	0	1430	139	8656	1	10
01-Sep-00	0	1430	46	8702	0	10
02-Sep-00	0	1430	450	9152	0	10
03-Sep-00	0	1430	43	9195	0	10
04-Sep-00	0	1430	41	9236	0	10
05-Sep-00	0	1430	45	9281	0	10
06-Sep-00	0	1430	23	9304	0	10
07-Sep-00	0	1430	18	9322	0	10
08-Sep-00	0	1430	24	9346	3	13
09-Sep-00	0	1430	62	9408	4	17
10-Sep-00	0	1430	31	9439	2	19
11-Sep-00	0	1430	43	9482	0	19
12-Sep-00	0	1430	53	9535	2	21
13-Sep-00	0	1430	13	9548	0	21
14-Sep-00	0	1430	9	9557	3	24
15-Sep-00	0	1430	28	9585	0	24
16-Sep-00	0	1430	20	9605	2	26
17-Sep-00	0	1430	49	9654	0	26
18-Sep-00	0	1430	31	9685	6	32
19-Sep-00	0	1430	2	9687	0	32
20-Sep-00	0	1430	3	9690	0	32
21-Sep-00	0	1430	1	9691	0	32
22-Sep-00	0	1430	4	9695	5	37
23-Sep-00	0	1430	0	9695	1	38
24-Sep-00	0	1430	2	9697	0	38
25-Sep-00	0	1430	0	9697	0	38
26-Sep-00	0	1430	0	9697	9	47
27-Sep-00	0	1430	0	9697	1	48
Final Escapment		1430		9700		500

Sep 28 - No count. The Docee Fence closed for the year.

# Attachment 1

## SMITHS INLET SOCKEYE RECOVERY - EGGTAKE DETAILS

### LONG LAKE BASIN STOCKS - TARGET = 200,000

STOCK	HISTORIC TARGET	1999 ESC. EST.	MINIMUM TARGETS		PERIOD: TO AUGUST 25, 2000																	
			#EGGS	BROODS	SPAWNED TODAY			TOTAL TO DATE			SPAWNED TODAY			TOTAL TO DATE								
			EGGS	FEMALES	EGGS	FEMALES	EGGS	FEMALES	EGGS	FEMALES	NOTE	EGGS	FEMALES	EGGS	FEMALES	NOTE						
			FULL		TOT.	FULL		TOT.	FULL		TOT.	FULL		TOT.	FULL		TOT.	FULL		TOT.	FULL	
SMOKEHOUSE	150000		150,000	50													4500	7	1	4500	7	1
CANOE	50000		50,000	17																		
TOTAL GRP.	200000	5900	200,000	67													4500	7	1	4500	7	1

Assume as many males spawned as females unless otherwise noted

NOTE: In Females Spawned and Total to Date, TOTAL refers to all the females where some eggs were taken and FULL is the portion of the total that goof full ripe females. ALSO, number of eggs is estimated using ~3k eggs/full female.

## SMITHS INLET SOCKEYE RECOVERY - EGGTAKE DETAILS (continued)

### LONG LAKE BASIN STOCKS - TARGET = 200,000

STOCK	HISTORIC TARGET	1999 ESC. EST.	MINIMUM TARGETS		SPAWNED TODAY						TOTAL TO DATE											
			#EGGS	BROODS	SPAWNED TODAY			TOTAL TO DATE			SPAWNED TODAY			TOTAL TO DATE								
			EGGS	FEMALES	EGGS	FEMALES	EGGS	FEMALES	EGGS	FEMALES	NOTE	EGGS	FEMALES	EGGS	FEMALES	NOTE						
			FULL		TOT.	FULL		TOT.	FULL		TOT.	FULL		TOT.	FULL		TOT.	FULL		TOT.	FULL	
SMOKEHOUSE	150000		150,000	50			4500	7	1			4500	7	1			4500	7	1	4500	7	1
CANOE	50000		50,000	17																		
TOTAL GRP.	200000	5900	200,000	67			4500	7	1			4500	7	1			4500	7	1	4500	7	1

Assume as many males spawned as females unless otherwise noted

NOTE: In Females Spawned and Total to Date, TOTAL refers to all the females where some eggs were taken and FULL is the portion of the total that goof full ripe females. ALSO, number of eggs is estimated using ~3k eggs/full female.

AREA 10 SOCKEYE EXPECTATIONS - 2001

STOCKS	YEAR	BROOD ESC	% AGE COMP	AGE SPECIFIC RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
Long Lake	1997	32000	38			200000	0	-198250
	1996	54000	62					
				Total=	1750			
				ACTIVE STOCKS (1)=	1750	200000	0	
				OTHERS (0)=	0	0	0	
				TOTAL=	1750	200000	0	

Forecast for Long Lake Sockeye prepared by the Stock Assessment Division.  
 This projection is based on the pessimistic expectation as defined in the Draft Recovery Plan.

Limit Reference Point (LRP) is 8,000.

Note – The following stock size projections are very preliminary and subject to change. They have been extracted from a draft document that has yet to be reviewed by Pacific Scientific Advice Review Committee (PSARC).

Sockeye salmon returns in 2001 for Long Lake (Area 10) were predicted under two different scenarios; (1) a pessimistic scenario where recent poor survival rates (as measured for sea-entry year 1996) will continue for sea entry year 1998 and 1999; and (2) a optimistic scenario that assumes an average return/spawner rate for sea entry years 1998 and 1999.

Pessimistic expectation for 2001: 1,750 sockeye

Optimistic expectation for 2001: 27,000 sockeye

AREA 10 PINK EXPECTATIONS - 2001

STOCKS	YEAR	BROOD ESC	% AGE COMP	RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
Nekite	1999	N/O	100		0	65000	0	-65000
Others	1999	100	100		330	600	0	-270
			ACTIVE STOCKS (1)-		0	65000	0	
			OTHERS (2)-		330	600	0	
			TOTAL-		330	65600	0	

The forecast for Area 10 Pink was prepared by the Stock Assessment Division. Projected returns to individual systems was determined by proportioning the total Area 10 forecast by brood year escapements.

## AREA 10 CHUM EXPECTATIONS - 2001

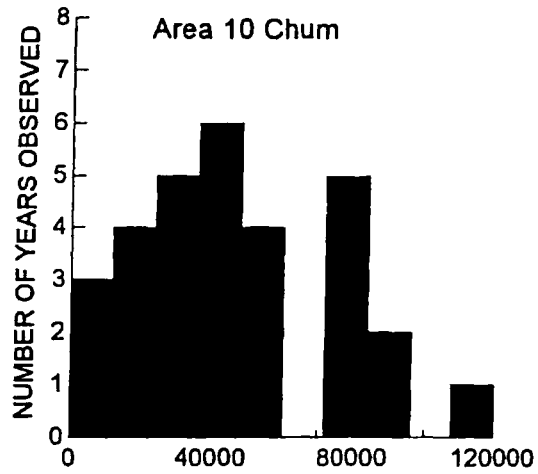
STOCKS	YEAR	BROOD ESC	% AGE COMP	SPECIFIC RETURN RATE	PROJECTED RETURNING STOCK	TARGET	AVAILABLE SURPLUS	DEFICIT
Nekite River	1998	200	31.6			60000	0	-31148
	1997	20000	59.7					
	1996	28000	8.70					
					Total=	28852		
Nekite Spawning Channel	1998	3695	31.6			16000	0	-12172
	1997	300	59.7					
	1996	2400	8.70					
					Total=	3828		
Takush River	1998	20	31.6			15000	0	-14779
	1997	Unk	59.7					
	1996	350	8.70					
					Total=	221		
Walkum Creek	1998	600	31.6			7500	0	-6901
	1997	Unk	59.7					
	1996	400	8.70					
					Total=	599		
				ACTIVE STOCKS (3)=	29672	82500	0	
				OTHERS (1)=	3828	16000	0	
				TOTAL=	33500	98500	0	

Age specific return rates are 3's (.4), 4's (0.7), 5's (0.1).

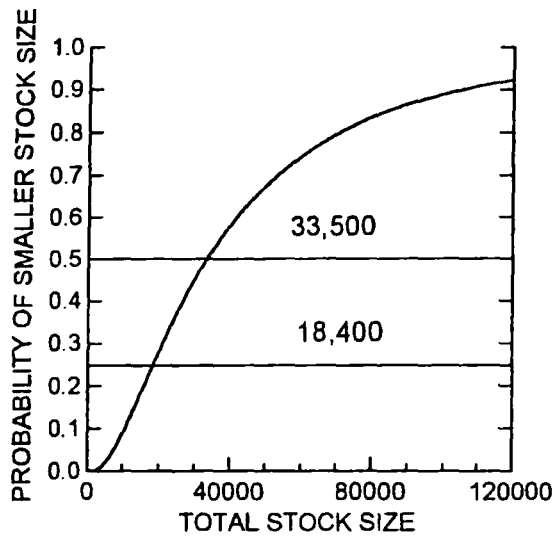
The forecast for Area 10 Chum was prepared by the Stock Assessment Division. Projected returns to individual systems was determined by proportioning the total Area 10 forecast by brood year escapements.

The forecast has a 50% probability that the returning run could be higher.

A. Historical distribution of stock sizes



B. Forecast of stock size in 2001



The forecasted cumulative probability distribution for total stock size in 2001 for Area 10 chum salmon

AREA 10 SOCKEYE

YEAR	CATCH	ESC	TOTAL STOCK
1960	219341	18525	237866
1961	213277	22525	235802
1962	252058	110075	362133
1963	174996	68686	243682
1964	236432	50200	286632
1965	289821	11000	300821
1966	172091	50000	222091
1967	286000	50000	336000
1968	454106	197929	652035
1969	166998	110200	277198
1970	82677	70065	152742
1971	142955	135068	278023
1972	59397	76248	135645
1973	294693	169753	464446
1974	347705	91023	438728
1975	52673	62967	115640
1976	92189	60904	153093
1977	54828	128607	183435
1978	233522	84105	317627
1979	11022	20257	31279
1980	2318	128453	130771
1981	154355	214345	368700
1982	295789	214500	510289
1983	131221	199654	330875
1984	21163	89154	110317
1985	369178	250002	619180
1986	369854	199000	568854
1987	194926	200000	394926
1988	301731	207000	508731
1989	71821	166810	238631
1990	58579	149020	207599
1991	574550	260000	834550
1992	722816	220000	942816
1993	284156	220000	504156
1994	58094	100000	158094
1995	26428	57000	83428
1996	8700	54000	62700
1997	0	32000	32000
1998	0	76000	76000
1999	0	5900	5900
2000	0	1430	1430

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

\*-1999 & 2000 Preliminary Catch Figures.

Net Catch Only.

AREA 10 PINK EVEN YEARS

YEAR	CATCH	ESC	TOTAL STOCK	RETURN RATE
1960	29004	3500	32504	
1962	143056	35000	178056	50.9
1964	60918	1500	62418	1.8
1966	37719	7500	45219	30.1
1968	83396	15025	98421	13.1
1970	57553	15000	72553	4.8
1972	10419	2525	12944	0.9
1974	23180	9000	32180	12.7
1976	10679	22100	32779	3.6
1978	16472	19000	35472	1.6
1980	740	2500	3240	0.2
1982	3415	9031	12446	5.0
1984	477	3516	3993	0.4
1986	8324	26570	34894	9.9
1988	20517	18113	38630	1.5
1990	4391	41065	45456	2.5
1992	49601	2100	51701	1.3
1994	9973	2030	12003	5.7
1996	512	6400	6912	3.4
1998	0	600	600	0.1
2000	0	Unk	0	0.0

AREA 10 PINK ODD YEARS

YEAR	CATCH	ESC	TOTAL STOCK	RETURN RATE
1961	39155	7500	46655	
1963	3605	7500	11105	1.5
1965	27567	7500	35067	4.7
1967	110160	3500	113660	15.2
1969	5644	400	6044	1.7
1971	3315	4000	7315	18.3
1973	6402	5030	11432	2.9
1975	2762	1300	4062	0.8
1977	17895	20100	37995	29.2
1979	6788	30250	37038	1.8
1981	23227	65037	88264	2.9
1983	2577	45271	47848	0.7
1985	6818	35600	42418	0.9
1987	10858	18233	29091	0.8
1989	1219	28106	29325	1.6
1991	9922	15133	25055	0.9
1993	12053	10075	22128	1.5
1995	132	26525	26657	2.6
1997	0	1500	1500	0.1
1999	0	100	100	0.1

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

\*-1999 and 2000 are Preliminary Catch Figures.  
Net Catch Only.

AREA 10 CHUM

YEAR	CATCH	ESC	TOTAL STOCK
1960	24117	12500	36617
1961	13193	5750	18943
1962	21171	44000	65171
1963	22266	15750	38016
1964	34952	15400	50352
1965	9405	1600	11005
1966	8343	3925	12268
1967	16370	15225	31595
1968	49804	11075	60879
1969	26125	2650	28775
1970	49918	22500	72418
1971	8727	25000	33727
1972	33725	43250	76975
1973	43320	71500	114820
1974	13800	28500	42300
1975	5569	7500	13069
1976	3599	8500	12099
1977	13736	42500	56236
1978	38457	36000	74457
1979	5491	13750	19241
1980	19574	57000	76574
1981	10990	65500	76490
1982	20100	70000	90100
1983	3913	44000	47913
1984	3129	14200	17329
1985	20710	26000	46710
1986	15168	73600	88768
1987	14164	37500	51664
1988	7979	41000	48979
1989	6236	21000	27236
1990	2261	44350	46611
1991	18123	30500	48623
1992	17574	13750	31324
1993	12640	18600	31240
1994	19182	17800	36982
1995	6485	40730	47215
1996	1309	23150	24459
1997	0	4600	4600
1998	0	4515	4515
1999	0	9100	9100
2000	0	200	200

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

\*-1999 and 2000 are Preliminary Catch Figures.

Net Catch Only.

Revised fishing plans as per the expectation meeting on Nov 10/00.

### 2001 SALMON EXPECTATIONS - AREA 10

- Sockeye:** The year's total return to Smith Inlet is estimated to be 1,750 Sockeye. The 1996 and 1997 brood year escapements are 54,000 and 32,000 respectively. This year's projection is based on the pessimistic forecast as defined in the Draft Recovery Plan.
- Pink:** Brood year escapement continues to be extremely poor. No surplus projected.
- Chum:** Brood year escapement continues to be extremely poor. No surplus projected.

### POTENTIAL COMMERCIAL NET OPENING DATES

As in past years the Docee Fence will be used to determine total run strength of Long Lake sockeye. Due to the extremely poor forecast of Sockeye to Smith Inlet no commercial net fisheries will occur this year.