

**THE PACIFIC SALMON COMMISSION  
NORTHERN BOUNDARY TECHNICAL  
COMMITTEE REPORT**

**U.S./CANADA NORTHERN BOUNDARY AREA  
2006 SALMON FISHERIES MANAGEMENT REPORT  
AND 2007 PRELIMINARY EXPECTATIONS**

**REPORT TCNB (07)-1**

**January 2007**

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## EXECUTIVE SUMMARY

This report reviews:

- 1) catch, effort, and management actions in the 2006 Northern Boundary Area troll and net fisheries of southern Southeast Alaska Districts 101 to 108 and northern British Columbia Areas 1, 3, 4, and 5;
- 2) management performance relative to Treaty requirements for pink salmon;
- 3) preliminary expectations and fishing plans for 2007.

Historical catch and effort data by district or area, gear, species, and week are no longer reported annually in this report. They can be referenced in *Pacific Salmon Commission, Northern Boundary Technical Committee Report, U.S. / Canada Northern Boundary Area 1999 Salmon Fisheries Management Report and 2000 Preliminary Expectations*. Report TCNB (01)-1, January 2001. If these historical numbers are modified, they will be added as an appendix in a future annual report.

### ***2006 Fisheries***

In southern Southeast Alaska the 2006 harvest of pink salmon was 3.3 million – the lowest harvest since 1975, and only 10% of the recent 10-year average of 31.1 million. The 2006 pink salmon harvest for all of Southeast Alaska and Yakutat was 11.7 million, well below the preseason forecast of 52 million pink salmon (the 80% C.I. forecast range was 29-74 million). Formal forecasts are not made for sub-regions, or for species other than pink salmon in Southeast Alaska.

The southern Southeast Alaska pink salmon escapement index of 4.4 million pink salmon just made the escapement goal of 4.0–9.0 million index spawners. Escapement indices for southern Southeast Alaska by District were within management targets for 2 of 5 Districts. Escapement indices were below management targets for 9 of the 17 southern Southeast Alaska pink salmon stock groups.

In the North Coast of British Columbia, aggregate sockeye return to the Skeena River was just over 3 million fish, providing ample commercial sockeye directed fishing opportunities in Area 4. Meanwhile, the Nass aggregate sockeye return was below average return strength. The commercial net sockeye catch of 303,855 sockeye in Area 3 was below the decadal average while the Area 4 marine commercial net sockeye catch of 967,962 is just below the decadal average. An additional 81,798 sockeye were selectively harvested in the Skeena River as part of the First Nations Economic Opportunity Demonstration Fishery and 393,137 were caught through Excess to Salmon Spawning Requirement (ESSR) allocations.

The estimated net Nass River sockeye escapement of 250,642 was above the 200,000 target, although the Meziadin escapement of 146,954 was below both the decadal average (183,000) and the annual escapement target (160,000). An estimated 1,297,863 large sockeye passed through the Babine fence and enhanced Babine stocks achieved target capacity in the Pinkut and Fulton spawning channels. Meanwhile, returns of non-enhanced Babine stocks were variable. Returns to

the Nanika/Morice and Kitwanga systems were below desired levels but showed improvement over recent years, with estimated escapements of 12,050 and 5,146, respectively. The Kitwanga escapement represents the largest escapement in decades.

Pink salmon returns to the north coast area were well below preseason expectations, resulting in no pink directed commercial net fishing opportunities. The total commercial net pink catch was 156,435 in Area 3 and 362,641 in Area 4. Pink escapements to the north coast were well below target. Low chum abundance in Areas 3 to 5 resulted in lower than target escapements to most streams. Management actions were in place to minimize chum mortality throughout the Areas 3 to 5 net fishing seasons. The Areas 1 and 101 troll fishery harvested 34,854 pinks, with low catches attributed to weak returns and minimal fishing effort.

## **MANAGEMENT PERFORMANCE**

The June 1999 revision of the Pacific Salmon Treaty restructured the agreements for the Northern Boundary area fisheries – Alaska District 104 purse seine, Alaska District 101 drift gillnet, Canadian Area 3 net, and Canadian Area 1 troll. The new agreements are “abundance based” where the allowable harvest is a percentage of the Annual Allowable Harvest (AAH). The Annual Allowable harvest is the total return of applicable stocks minus the lesser of: 1) the actual escapement, or 2) the escapement goal. Catches over or under the AAH are summed over the ten year period of the agreement allow for annual variation.

In Alaska’s District 104 purse seine fishery, the Nass and Skeena sockeye run size determines the Annual Allowable Harvest of these stocks prior to Statistical Week 31. In Alaska’s District 101 gillnet fishery, the AAH is based solely on the run size of Nass River sockeye salmon. The run size of Alaskan pink salmon returning to Districts 101-103 determines the allowable harvests of these stocks in Canada’s Area 3 (1-4) net and Area 1 troll fisheries.

In the District 101 (Tree Point) drift gillnet fishery, the agreement specifies a harvest of 13.8 percent of the AAH of the Nass River sockeye run. For the 2006 season, DFO forecast a total run of about 1.1 million Nass River sockeye salmon. The AAH is calculated as the total run of Nass sockeye salmon minus either the escapement requirement of 200 thousand or the actual in-river escapement, whichever is less.

The District 101 drift gillnet fishery opens by regulation on the third Sunday in June. During the early weeks of the fishery, management is based on the run strength of Alaska wild stock chum and sockeye salmon and on the strength of the Nass River sockeye salmon. Beginning in the third week of July, when pink salmon stocks begin to enter the fishery in large numbers, management emphasis shifts by regulation to that species. By regulation, the District 101 Pink Salmon Management Plan sets gillnet fishing time in this district in relation to the District 101 purse seine fishing time when both fleets are concurrently harvesting the same pink salmon stocks. In 2006, the cumulative sockeye harvest prior to the initiation of the Pink Salmon Management Plan in Week 30 was 45 thousand fish, or about 72% of the total seasonal harvest.

In the District 104 purse seine fishery the agreement specifies a harvest, from the beginning of the

season through Statistical Week 30, of 2.45% of the combined AAH of both the Nass and Skeena River runs. The fishery opens the first Sunday in July; in 2006 the initial opening was July 2 (Week 27) The pre-Week 31 fishing plan for District 104 was based on returns of local Alaskan stocks as well as the Canadian Department of Fisheries and Oceans (DFO) preseason forecast returns of about 1.1 million Nass River sockeye salmon and about 1.85 million Skeena River sockeye salmon. The preseason forecasts result in a total projected return of 2.95 million Nass and Skeena sockeye which, minus an escapement goal of 1.1 million, would result in an AAH of about 1.85 million. Using this forecast, the 2006 pre-Week 31 annual allowable harvest was approximately 45,000 Nass and Skeena sockeye salmon.

In the Canadian northern boundary area, average pink salmon returns were anticipated for Area 3 (1.8 million) and for Area 4 (2.2 million). Actual returns of north coast pinks were well below expectations. As has been the case for the previous 5 years, strong returns were expected for the SE Alaska pink stocks adjacent to the northern boundary area but returns to Alaskan streams were poor, as well. For the year 2006, Canada was to manage the 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon. With a Total Run of 11,455,406 Alaska District 101, 102 and 103 pink salmon in 2006, the AAH for the Area 3(1-4) net fleet was 72,782 pink salmon of Alaska District 101, 102 and 103 origin. The 2006 Canadian pink catch in Sub-areas 3-1 to 3-4 was 103,979, with a preliminary estimate of the Alaska stock component of this catch being 52,274, or 1.79 % of the AAH. This is well below the allotted 2.49 % of the AAH.

The total Canadian pink catch of 103,979 in sub-areas 3-1 to 3-4 is much lower than the 1985-2000 average catch of 1.46 million. The well below average harvest resulted from a combination of strong Skeena sockeye returns pulling effort to Area 4, poorer than expected Nass sockeye returns and very poor pink returns to the north coast area. The percentage of the 2006 Area 3 net catch taken in sub-areas (1-4) was 66%, which is above the 1985-2000 average of 58%.

Estimated pink escapements in 2006 were 130,425 in Area 3 and 116,097 in the Skeena.

In addition, Canada was to manage the Area 1 troll fishery to achieve an annual catch share of 2.57 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon. With a Total Run of 11,455,406 Alaska District 101, 102 and 103 pink salmon in 2006, the AAH for the Area 1 troll fishery was set at 74,568 pieces. The Canadian commercial troll fishery was open in the northern portion of Area 1 from July 15-September 30. The fishery harvested a total of 34,854 pink salmon, with an estimated 30,417, or 87.3%, being of Alaskan origin. This equates to 1.05 % of the 2,922,956 AAH of Alaskan Districts 101, 102 and 103 pink salmon, well below the annex agreement for 2.57 percent.

### ***2007 Forecast***

The Southeast Alaska pink salmon return in 2007 is expected to be Strong, with a potential total Southeast Alaska harvest of 47 million fish, with a range of 36 to 58 million fish (80% C.I.). The Strong category represents harvests between the 61<sup>st</sup> and 80<sup>th</sup> percentiles of the historical

Southeast Alaska pink salmon harvest from 1960 to 2006. Over the past 10 years the average distribution of the pink salmon harvest has been 63% in Southern Southeast Alaska and 37% in Northern Southeast Alaska. Formal forecasts are not made for species other than pink salmon in Southeast Alaska.

The Nass sockeye total return in 2007 is forecast to be 828,000, with a Total Return to Canada (TRTC) estimate of 750 thousand. For the Skeena, the sibling model forecast predicts a 50% probability of 2.50 million sockeye returning to the Skeena in 2007, with a 25% probability of the return exceeding 3.68 million and a 75% probability the return will exceed 1.69 million. The Nass area pink return prediction of 2.86 million will provide a surplus of 2.47 million for harvest while an odd-year average Area 4 pink return of 3.68 million will provide a possible harvestable surplus of 2.18 million fish.

## **INTRODUCTION**

This report reviews the 2006 Boundary Area pink, chum, coho, and sockeye salmon net and troll fisheries of southern Southeast (SSE) Alaska and Northern British Columbia and outlines preliminary expectations and fishing plans for 2007. The document is submitted to the Pacific Salmon Commission as required in Article IV of the Pacific Salmon Treaty. Weekly catch and effort data is provided by opening, district or area, gear, and species (sockeye, pink, chum, coho, and Chinook salmon) for Northern Boundary Area fisheries for 2006. Sub-area catch data is also presented for all salmon species for Canadian Area 3. Canadian Area 3 and Area 4 gillnet and purse seine catch data for 2006 are based on sales slip information rather than hail catch data, as in the past. Maps showing the statistical fishing districts or areas for southern Southeast Alaska and Northern British Columbia are provided in Figures 1 to 4.

## **SOUTHERN SOUTHEAST ALASKA**

### ***2006 Salmon Forecast***

The 2006 pink salmon harvest in Southeast Alaska was expected to be strong. The Alaska Department of Fish and Game's forecast was for a total Southeast Alaska harvest of 52 million, with a forecast range of 29 to 74 million (80% confidence interval). Formal forecasts were not made for sub-regions or for species other than pink salmon in Southeast Alaska.

### ***Review of the 2006 Fishing Season***

Commercial fisheries harvested 7.35 million salmon in southern Southeast Alaska in 2006. This total includes Traditional, Hatchery Terminal Harvest Area, and Annette Island Reserve fisheries; purse seine, drift gillnet, and troll gear; and Districts 101 through 108, 150, and 152. The harvest was comprised of 3.3 million (44%) pink salmon, 2.9 million (40%) chum, 585 thousand (8%) sockeye, 474 thousand (6%) coho, and 112 thousand (2%) Chinook salmon. Historical catch and effort data by district, gear, species, and week will no longer be reported each year. They can be referenced in *Pacific Salmon Commission, Northern Boundary Technical Committee Report, U.S. / Canada Northern Boundary Area 1999 Salmon Fisheries Management Report and 2000 Preliminary Expectations*. Report TCNB (01)-1, January 2001. If historical numbers are modified, they will be added as an appendix in a future annual report.

### **Districts 101, 102, and 103 Purse Seine Fisheries**

The management of the southern Southeast Alaska inside purse seine fishery was based on inseason pink salmon returns to Districts 101 through 107. Exceptions to this management scheme were: 1) an early season opening in lower District 102 to target Southern Southeast Regional Aquaculture Association's (SSRAA) Kendrick Bay summer chum salmon; and 2) District 102 and 103 fisheries directed on fall chum salmon. Total 2006 pink salmon returns to most of southern Southeast Alaska were well below recent annual averages. The low pink salmon returns resulted in a reduction in the frequency and length of weekly openings and an early end of the season for pink salmon directed purse seine fisheries. Due to low pink salmon catches and a lack of fishing opportunities the number of purse seine vessels fishing was lower than in prior years. The

reduction in fishing effort and the short duration of the season reduced the catch of other salmon species irrespective of their relative abundance. There were no Chinook salmon non-retention periods in boundary area purse seine fisheries in 2006.

#### *District 101 Purse Seine Fishery*

The Alaska District 101 purse seine fishery opened July 2, 2006 for the first of 15 fishing periods, generally consisting of two openings per week, all of 15 hours in duration, between Statistical Weeks 27 and 34 (Table 1). The fishery closed several weeks earlier than in recent years on August 20 (Week 34). A total of 56 purse seine vessels fished in District 101, 34% the 1985-2005 treaty period average of 164. District 101 was open for a total of 210 hours, 43% of the treaty period average of 492.

The District 101 purse seine seasonal pink salmon catch of approximately 585,000 was 9% of the 1985-2005 treaty period average of 6,360,000. Weekly catches of pink salmon were below average throughout the season.

The District 101 purse seine sockeye salmon catch of 42,000 was 35% of the 1985-2005 average of 120,000. There were no purse seine openings in 2006 targeting McDonald Lake sockeye salmon in the upper West Behm Canal portion of the district. The estimated escapement into McDonald Lake is 17,000 sockeye salmon. This is the smallest run recorded at the lake since it has been monitored by ADF&G, and is the fifth time in the past six years that the escapement goal has not been met; the escapement goal was recently changed from 65,000-85,000 to a sustainable escapement goal of 70,000-100,000.

The District 101 purse seine chum salmon catch of 200,000 was 57% of the treaty period average of 349,000. Chum salmon catches were above average in the first three weeks of the season.

The closure of the District 101 purse seine fishery after August 20 had a significant effect on coho salmon catches since much of this occurs in late August and September. The coho salmon catch of 8,700 was 21% the average of 40,700. Prior to the closure weekly coho catches were below average.

Only Chinook salmon catches were above average in the District 101 purse seine fishery; the catch of 1,500 was 300% of the treaty period average of 500. These catches were due, in part, to a lack of Chinook non-retention periods as well as Chinook being most abundant early in the season before reductions in fishing time and effort were initiated.

#### *District 102 Purse Seine*

Limited portions of the District 102 purse seine fishery were opened in Weeks 25 and 26 to access returns of Southern Southeast Regional Aquaculture Association enhanced summer chum salmon from Kendrick Bay. Only one seine vessel fished the first opening and four fished the second with catches for both weeks totaling about 20,000 chum salmon (Table 2).

The traditional fishery in District 102 targeting local stocks of pink salmon opened Sunday July

2nd (Week 27). During the traditional fishing period there were 20 openings ranging from 15 to 63 hours in duration. All traditional purse seine fisheries were closed in Week 35. Limited portions of District 102 reopened to target fall chum salmon in Weeks 36-39 before closing for the season. A total of 66 purse seine vessels fished District 102, 40% of the treaty period average of 166. The district was open to fishing a total of 606 hours, 60% of the treaty period average of 1,003.

The District 102 purse seine catch of 458,000 pink salmon was 10% of the treaty period average of 4,515,000.

Chum salmon catches in the District 102 purse seine fishery were above average in the early portion of the season but well below average from mid-season on. Approximately 35,000 fall chum season were harvested in late season openings (Weeks 36-39) in the Cholmondeley Sound portion of the district. The total season catch of 408,000 chum salmon was 99% of the treaty period average of 413,000. The District 102 sockeye catch of 20,000 was 44% of the treaty period average of 45,000 while the coho catch of 16,000 was 30% of the average of 51,000. The Chinook salmon catch of about 1,000 was 371% of the average of 300.

#### *District 103 Purse Seine*

The District 103 purse seine fishery initially opened Sunday July 23rd (Week 30), there were 8 openings, ranging from 8 to 15 hours each, prior to the region-wide traditional-area purse seine closure after August 20 (Table 3). The fishery remained closed through Week 36. A portion of District 103 reopened for one 36 hour opening in both Weeks 37 and 38 to harvest fall chum salmon. A total of 42 purse seine vessels fished in District 103, 31% of the 1985-2005 treaty period average of 134. The district was open for a total of 185 hours, 47% of the average of 396.

The District 103 purse seine pink salmon catch of 369,000 was 9% of the treaty period average of 4.1 million. Sockeye catches were strong early in the season, the seasonal catch of approximately 28,000 was 145% of the treaty period average of 19,000. Coho catches of 6,000 were 20% of the average of 31,000. Chum catches were slightly better than average early in the season but declined after Week 32; the total season chum salmon catch of 61,000 was 53% of the average of 117,000. The Chinook salmon catch of 1,065 was 526% of the treaty period average.

#### **District 104 Purse Seine Fishery**

The 2006 pre-Week 31 fishing plan was based on the Canadian Department of Fisheries and Oceans (DFO) preseason forecast total returns of about 1.1 million Nass River sockeye and 1.85 million Skeena River sockeye salmon. The preseason forecasts resulted in a total projected return of about 2.95 million which, minus an escapement goal of 1.1 million, would result in an Annual Allowable Harvest (AAH) of 1.85 million. Using this forecast, the 2006 pre-Week 31 allowable catch (2.45% of the AAH) was about 45,000 Nass and Skeena sockeye salmon. Fishery openings were limited in time early in the season due to the moderate return forecast of Skeena River sockeye salmon. These forecasts are used as preseason guides, once the season begins managers exchange information on observed abundance on a regular basis and fisheries may be modified accordingly. The actual AAH will be calculated post-season after stock specific catch and escapement estimates are calculated.

In the 2006 District 104 treaty period (July 2 to July 29) approximately 90,000 sockeye of all stocks were harvested in: 1) one 12-hour opening in Week 27; 2) a 15-hour and a 8-hour opening in Week 28; 3) two 15-hour openings in Week 29; and 4) two 15-hour openings in Week 30 (Table 4). The number of purse seine vessels fishing treaty period openings ranged from 2 to 29. Treaty period openings in District 104 were less frequent and often shorter in duration than other boundary area purse seine fisheries due to moderate forecast returns of Skeena sockeye salmon; these shorter openings may have limited the number of boats fishing in the district and the resulting catch. In past years 60% to 80% of treaty period sockeye caught in District 104 have been of Nass and Skeena origin. Thus, we would anticipate that approximately 54,000 to 72,000 Nass and Skeena sockeye may have been harvested in the District 104 purse seine fishery during the treaty period. The final AAH of Nass and Skeena sockeye, and the actual catch of these stocks during the treaty period, will not be available until catch, escapement, and stock composition estimates are completed.

There were a total of 13 open fishing periods in District 104 before poor pink salmon returns resulted in the season ending relatively early on Sunday August 20th (Week 34). Post treaty period openings in District 104 included: 1) two 15 hour openings in Week 31; 2) a 15 and an 8-hour openings in Week 32; 3) one 15-hour opening in Week 33; and 4) the final 15-hour opening in Week 34. A total of 71 purse seine vessels fished the district in 2006, 39% of the treaty period average of 183. The fishery was open for a total of 178 hours, 43% of the treaty period average of 416.

The catch of 873,000 pink salmon in the District 104 purse seine fishery was 9% of the 1985-2005 treaty period average of 9.9 million. The total-season sockeye catch of 242,000 was 42% of the average of 581,000. The catch of 24,000 coho was 17% of the average of 139,000. The catch of 121,000 chum was 33% of the average of 367,000. The catch of 9,100 Chinook salmon was 119% of the average of 7,600.

### **Districts 105, 106, and 107 Purse Seine Fisheries**

For the 2006 season, the combined Districts 105, 106, and 107 purse seine fisheries harvested 193,000 pink, 2,500 coho, 7,800 sockeye, 129,000 chum and 800 Chinook salmon.

### **District 101 Tree Point Drift Gillnet Fishery**

The June 30, 1999 PST agreement calls for abundance based management of the District 101 (Tree Point) drift gillnet fishery. The agreement specifies a harvest of 13.8 percent of the AAH of the Nass River sockeye run. For the 2006 season, DFO forecast a total return of 1.1 million Nass River sockeye salmon. The AAH is calculated as the total run of Nass sockeye salmon minus either the escapement requirement of 200,000 or the actual inriver escapement, whichever is less.

The District 101 drift gillnet fishery opens by regulation on the third Sunday in June. During the early weeks of the fishery, management is based on the run strength of Alaska wild stock chum and sockeye salmon and on the strength of the Nass River sockeye salmon. Beginning in the

third week of July, when pink salmon stocks begin to enter the fishery in large numbers, management emphasis shifts by regulation to that species. By regulation, the District 101 Pink Salmon Management Plan sets gillnet fishing time in this district in relation to the District 101 purse seine fishing time when both fleets are concurrently harvesting the same pink salmon stocks. The final number of Nass River sockeye harvested at Tree Point will not be available until catch, escapement, and stock composition estimates are finalized for the 2006 season.

In 2006 District 101 drift gillnet fishery opened on June 18. The fishery was open a total of 1,272 hours, 96% of the 1985-2005 treaty period average. A total of 48 gillnet vessels fished in the district, 37% of the treaty period average of 129.

In 2006 the District 101 gillnet catch of approximately 63,000 sockeye salmon (Table 5) was 42% of the 1985-2005 treaty period average of 149,000. The cumulative sockeye harvest prior to the initiation of the Pink Salmon Management Plan in Week 30 was 44,883 fish, or about 72% of the season's total sockeye harvest. Sockeye catches were below average throughout the season. The pink salmon catch of 213,000 was 37% of the average of 577,000. The chum catch of 269,000 was 86% of the average of 314,000. Chum salmon catches were above average in the early portion of the season. The coho salmon catch of 29,000 was 68% of the average of 43,000; weekly catches were below average throughout the season. The Chinook salmon catch of 1,700 was 118% of the average of 1,450.

Beginning on August 27 (week 35) the District 101 gillnet fishery was managed on the strength of fall chum and coho salmon returns; both fall chum and fall coho catches were below average. Below average fall chum and coho salmon catches are, in part, a reflection of declining fishing effort at Tree Point.

### **District 106 Drift Gillnet Fishery**

The 2006 harvest in the District 106 commercial gillnet fishery included 1,737 Chinook, 91,980 sockeye, 69,015 coho, 149,907 pink, and 268,436 chum salmon (Table 6). District 106 catches of all species except Chinook and chum were below the 1996-2005 average. Lower catches can be partially attributed to a shift in effort from District 106 into District 108 to target returning Stikine Chinook and hatchery chum.

An estimated 32% of the coho salmon harvest was of Alaskan hatchery origin.

### **Annette Island Reserve Fisheries**

In 2006 the Annette Island purse seine fishery harvested approximately 121,000 pink salmon, 23,400 chum, 12,500 sockeye, 2,100 coho, and 240 Chinook salmon (Table 7). The Annette Island gillnet fishery harvested approximately 128,000 pink salmon, 93,600 chum, 7,100 sockeye, 2,500 coho, and 500 Chinook salmon (Table 8).

### **Pink, Sockeye, and Chum Salmon Escapements**

The 2006 southern Southeast Alaska pink salmon escapement index of 4.4 million pink salmon just made the escapement goal of 4.0–9.0 million index spawners (Table 9). Escapement indices for southern Southeast Alaska by District were within management targets for 2 of 5 Districts. Escapement indices were below management targets for 9 of the 17 southern Southeast Alaska pink salmon stock groups.

The Hugh Smith Lake adult sockeye escapement was 42,000, and exceeded the upper end of the recently established biological escapement goal range of 8,000 to 18,000 adult sockeye salmon. Stocked Hugh Smith Lake sockeye salmon comprised 65% of the escapement in 2006. The escapement of sockeye salmon into McDonald Lake was estimated to be 17,000 fish, based on the expanded foot survey index. This is the lowest escapement estimate in the past 25 years, and the 5<sup>th</sup> year in the past 6 that the escapement has been below the escapement goal range of 70,000 to 100,000 sockeye salmon. Klawock Lake had a minimum weir count of 12,700 sockeye salmon, however, a mark-recapture estimate has not been finalized. Other sockeye salmon projects conducted in the Northern Boundary Area included adult salmon weirs at the Karta River (10,700 sockeye salmon), and at Hetta Lake (preliminary weir count 18,000 sockeye salmon).

Nearly all measures that we have for chum salmon indicated that 2006 runs were above average for most of the region. The total harvest of chum salmon in the region (13.9 million) ranked as the 5<sup>th</sup> largest historical harvest in Southeast Alaska, and was the highest since 2000. Over the past 10 years, about 75% of the total harvest was hatchery chums. Escapement survey information for chum salmon index streams indicated that the escapements to Southeast Alaska were also generally strong in 2006. In the Northern Boundary Area, the estimated escapement at Fish Creek, near Hyder, was 43,000 chum salmon (well above the recent 10-year average of 27,000), and the peak escapement survey counts for Cholmondeley Sound fall chum salmon totalled 48,000 (right at the recent 10-year average of 50,000).

### ***Management Performance Relative to Treaty Requirements***

#### **District 104 Purse Seine Fishery**

The June 30, 1999 revision of the Pacific Salmon Treaty Agreement calls for the implementation of abundance based management in the District 104 purse seine fishery. The agreement allows the District 104 purse seine fishery to harvest 2.45 percent of the Annual Allowable Harvest (AAH) of Nass and Skeena sockeye prior to Statistical Week 31. The AAH is calculated as the total run of Nass and Skeena sockeye salmon minus either the escapement requirement of 1.1 million or the actual in-river escapement, whichever is less.

As background, this 2.45% AAH value was based on the weighted-average percent of the Nass and Skeena sockeye AAH that would have been harvested in this fishery, during the 1985-1996 period, if the annual pre-week 31 harvest had been exactly 120,000 sockeye salmon. Catches from 1997 were not included in the baseline calculation due to unusually high levels of sockeye abundance in the fishery. The Alaska Department of Fish and Game's (ADF&G) management intent is to harvest Nass and Skeena sockeye salmon at the allowable AAH percentage. The

Treaty recognizes that overages and underages will occur and provides an overage/underage provision intended to hold the Parties accountable for their catch shares but permit a reasonable degree of management flexibility.

The final targeted number of Nass/Skeena sockeye in 2006 will not be available until catch, escapement, and stock composition estimates are finalized for the year.

### **District 101 Tree Point Drift Gillnet Fishery**

The June 30, 1999 revision of the Pacific Salmon Treaty Agreement calls for abundance based management of the District 101 (Tree Point) drift gillnet fishery. The agreement allows the District 101 gillnet fishery to harvest 13.8 percent of the Annual Allowable Harvest (AAH) of Nass River sockeye run. The AAH is calculated as the total run of Nass sockeye salmon minus either the escapement requirement of 200 thousand, or the actual in-river escapement, whichever is less.

As background, this 13.8% AAH value was based on the weighted-average percent of the Nass sockeye run that was harvested in this fishery during years 1985-1997. The ADF&G management intent is to harvest Nass sockeye salmon at the allowable AAH percentage. The Treaty recognizes that overages and underages will occur and provides an overage/underage provision intended to hold the Parties accountable for their harvest shares while permitting a reasonable degree of management flexibility.

The final targeted number of Nass sockeye will not be available until catch, escapement, and stock composition estimates are finalized for the year.

## NORTHERN BRITISH COLUMBIA

### *2006 Salmon Forecast*

#### **Area 1 Expectations**

***Sockeye*** There are no commercially significant local sockeye stocks in Area 1.

***Pink*** As Area 1 pinks pink salmon returns in the brood year (2004) were poor, no significant return was expected in 2006.

***Chum*** A small gillnet and seine assessment fishery was expected in Masset Inlet

***Fishing Plans*** The fishing plans for net fisheries had not been established.

#### **Area 3 Expectations**

***Sockeye*** An above average sockeye return to Canada of 800 thousand was expected. Due to poor expectations for Skeena sockeye, minimal interception of passing Skeena stocks was anticipated in 2006.

***Pink*** A Nass pink return of 1.82 million was expected to provide a potential Area 3 catch of 1.50 million, along with an anticipated interception of 750,000 Alaskan pinks and a modest contribution from passing Skeena pink stocks.

***Chum*** Area 3 chum stocks remain below target levels. No targeted fishing was anticipated.

***Fishing Plans*** An average sockeye and odd-year pink fishery was anticipated in Area 3 in 2006.

#### **Area 4 Expectations**

***Sockeye*** The Skeena sockeye return was forecast to be 1.85 million. A 650 thousand fish surplus was expected. Some non-Babine, wild Skeena sockeye stocks remain a conservation concern.

***Pink*** An expected return of 2.2 million Skeena pinks was to allow for a possible surplus of 1.18 million pinks for 2006.

***Chum*** Skeena chum escapements are depressed and there was to be no targeted fisheries on chum salmon.

***Fishing Plans*** Domestic management initiatives to respond to coho, chum and wild sockeye concerns were the key factors in developing 2006 management plans.

## **Area 5 Expectations**

***Sockeye*** A limited directed Skeena and no local Area 5 sockeye fisheries were anticipated in 2006.

***Pink*** Local Area 5 pink returns in 2006 were expected to produce a minimal surplus of about 90 thousand for harvest.

***Chum*** Local chum stocks are depressed, and no surplus was anticipated.

***Fishing Plans*** Area 5 fishing patterns were based largely on the abundance of local pink stocks, Skeena coho conservation concerns, and the strength of Skeena sockeye and pink salmon returns.

## ***Review of 2006 Fishing Season - Net and Troll Fisheries***

### **Area 1**

Management units (sub-areas) of Statistical Area 1 are outlined in Figure 3. There were minimal Area 1 net interception fisheries in 2006. The Area 1 terminal gillnet fishery opened for a total of three fishing periods, between 21 September and 2 October, to assess Masset Inlet chum salmon abundance. One vessel attended seven of the nine 15-hour openings, with a total hailed catch of 900 chum, 73 pink and 28 sockeye. Tables 10 and 11 summarize the 2006 Area 1 gillnet and seine fisheries. No Area 1 seine opportunities were provided in 2006.

The Area 1 troll fishery was managed considering domestic Chinook, coho and chum stocks of concern, and the PST chinook ceiling. For the second year a demonstration Individual Transferable Quota (ITQ) chinook directed fishery option was provided, along with the traditional Derby fishery option. Directed fisheries were conducted for all species except chum and sockeye, with area and time restrictions associated with each opening.

The preliminary catch estimate for the Area 1 portion (includes Area 101) of the 2006 troll fishery is 111,622 coho, 34,854 pink, 11,117 sockeye and 110,957 chinook (Table 12).

### Area 3

Management units (sub-areas) of Statistical Area 3 are outlined in Figure 4. Since 1994, in-season escapement estimates have been provided by the Nisga'a fish wheel operations conducted in the lower Nass River, approximately five miles upstream from the old Nass test fishery site. In addition to the fish wheel estimates, catches in local domestic food fisheries, along with Canadian and Alaskan commercial fishery effort and CPUEs, were utilized in determining Nass sockeye run strength.

In general, the Area 3 net fishery was managed for Nass sockeye salmon until mid-July, after which the outer Area 3 fishery was managed based on Nass and Skeena pink and Skeena sockeye stock abundance. In addition, local chum and chinook stock concerns were taken into consideration when managing the 2006 Area 3 fishery and gillnet fishers were requested to return all live specimens to the water unharmed. The inside Area 3 net fishery was managed for Nass sockeye, pink, and chum abundance after mid-July. In 2006, Area 3 net fisheries operated with a non-retention, non-possession restriction for coho for the entire season. To protect weak local non-Nass chinook stocks and weak Area 3 chum stocks, gillnet fishers were requested to release all live specimens. For similar reasons the seine fleet operated with non-possession/non-retention chinook restriction for the entire season. In addition, non-possession/non-retention of chum was enforced for all net openings after July 31. Both gillnet and seine fleets were restricted to daylight only fishing times and seines were prohibited from ramping their catch, with a brailing and sorting licence condition.

Weekly 2006 hauled catch data, by gear type, for Area 3 is presented in Tables 13-17.

The 2006 Area 3 gillnet fishery commenced on June 13 (Week 24) with one 16-hour opening in sub-Areas 3-3, 4, 7 and 12 (121 boat-days of effort) to assess Nass River sockeye run strength and, with a sockeye catch of 4,645 sockeye, CPUEs were well below the decadal average for this time of year. Pink (1) and chum (10) salmon catches appeared in the outer portion of Area 3 this week, 2 weeks earlier than average, and the chinook catch was 523 pieces.

Two additional openings during Week 25 (June 19, 20) led to above average effort but below average sockeye CPUEs. With a total effort of 220 boat-days, the sockeye catch for the 2 openings was 15,498 pieces. The sockeye CPUE for this week was less than half the decadal average. In addition to sockeye, 11 pink, 304 chum and 1,883 chinook were delivered. The Nass River Fishwheel Program commenced its assessment of Nass fish stocks this week (June 19).

During two 16-hour fishing periods in Week 26 the delivered catch was 35,218 sockeye, 95 pink, 4,536 chum and 1,937 chinook, with fishing effort increasing to 326 boat-days. Based on poorer than average Nass Fishwheel and Area 3/Tree Point gillnet sockeye catch rates the initial in-season projected Nass sockeye TRTC was 735 thousand fish, down from the preseason estimate of approximately 800,000. The first Nisga'a First Nation marine sales fishery took place this week in Sub-area 3-12, with a delivered catch of 3,797 sockeye and 177 chinook.

Both gillnet effort and sockeye catch rates in Area 3 increased during the three 16-hour openings in Week 27, though caution was necessary as Tree Point sockeye catches dropped considerably compared to the previous week. A combined effort of 787 boat-days harvesting 87,692 sockeye, 1,160 pink, 1,937 chinook and 30,277 chum. Despite the increased sockeye catch, catch rates remained well below the decadal average. Skeena River sockeye arrived in strength this week, prompting management staff to consider an earlier than anticipated Area 4 gillnet opening to harvest the surplus. A second Nisgaa First Nation marine fishery was conducted this week, delivering 8,182 sockeye, 12 pink and 58 chinook.

By July 2, sockeye escapement past the Nass Fishwheel had picked up as water levels dropped, increasing the cumulative escapement past the lower wheels to 43,000 but still well below the decadal average of 72,000. In addition, the Bayesian estimate of total run-size was reduced to 680,000. Although Area 3 and Tree Point gillnet sockeye catch rates remained below average during Week 28, five 16-hour openings were permitted for Area 3 gillnet fishers, coincident with the first Area 4 sockeye directed opportunities of the season. The resulting hauled catch was 56,533 sockeye, 3,447 pink, 510 chinook and 10,119 chum for 332 boat-days of effort. Due to continues high chum catches in portions of Sub-areas 3-3 and 3-7 (along the Wales Island shoreline), restrictions were implemented for no fishing in these high incidence areas to protect Area 3 chum stocks. A third Nisgaa marine fishery took place during this week, delivering 4,642 sockeye, 108 pink and 29 chinook.

Sockeye catch rates increased slightly for both Area 3 and Tree Point gillnet fleets. With strong Area 4 gillnet sockeye catches drawing much of the fleet, effort in Area 3 decreased to a cumulative 171 boat-days during the 3 openings in Week 29, with a delivered catch of 37,760 sockeye, 5,082 pink, 5,476 chum and 75 chinook. The seine fleet started fishing Area 3 for the first time, with two 16-hour openings with retention allowed for only pink and sockeye salmon. A cumulative seine effort of 42 boat days caught 21,988 pinks and 20,363 sockeye. The chum salmon protective ribbon boundary was extended northward to the eastern shore of Pearse Island to further protect weak Area 3 chum stocks.

The Nass fish wheel in-river escapement estimate reached 97,000 by July 17, well below the 10-year average of 141,877. This information, combined with below average commercial catches, dropped the TRTC estimate to 625,000 from the pre-season estimate of 800,000. Though still below the decadal average, inner and outer Area 3 gillnet sockeye catch rates remained steady in Week 30. Strong Skeena sockeye returns continued and strength increased during the latter portion of the Nass sockeye run. Conversely, in-river fish wheel sockeye escapement estimates remained a concern. Initial in-season indicators for early run-timed Area 3 coho were deemed too weak to allow for the anticipated beginning of net fleet coho retention. In addition, Area 3 pink catches remained poor. This information resulted in the Area 3 gillnet fleet fishing three 16-hour fishing periods while seine vessels were given two openings to intercept Nass pink and passing Skeena sockeye salmon. The gillnet fleet harvested 20,876 sockeye, 7,707 pink, 6,010 chum and 49 chinook with 117 boat-days of effort. Meanwhile, despite being confined to a reduced fishing area to protect Area 3 chums, a much increased seine presence caught 11,683 sockeye, 62,443 pink and 28,630 chum with 60 boat-days of effort. The final Nisgaa marine fishery was conducted during the week, with a delivered catch of 2,175 sockeye, 162 coho, 2,831 pink and 15 chinook. All remaining Nisgaa sales fisheries would be in-river fisheries.

As of July 27 of Week 31, stock assessment information indicated an estimated 116 thousand sockeye had escaped past the lower Nass fishwheels and 34,028 adult sockeye had migrated past the Meziadin counting facility. As a result, the Nass sockeye TRTC estimate dropped further to 610,000. With a Meziadin fishway sockeye count near only 30% of the 1990's average of 114,728, to date, concerns were raised regarding adequate sockeye escapement into the Nass system. Concern over poor Area 3 pink returns and high chum salmon by-catch also remained. As a result, management staff decided, in an effort to ensure escapement objectives were met, that this would be the final week of net fishing in Area 3, with the gillnet fleet being restricted to the outside portion of Area 3 during two 16-hour openings. In addition, chum retention was restricted for the gillnet fleet. The reduced gillnet effort of 14 boat-days harvested 1,795 sockeye and 4,949 pink. Meanwhile, three 16-hour openings were scheduled for seines, delivering 15,378 sockeye, 71,281 pink and 15,822 chum with an effort of 55 boat-days. The final day of net fishing in Area 3 was August 3<sup>rd</sup> and the season was officially closed for the balance on August 24<sup>th</sup>.

In 2006, gillnets fished a total of 2,088 boat-days of effort, below the 1985-1998 average of 2,376 boat-days. Seines accumulated 157 boat-days of effort over the season, well below the 1985-1998 average of 1,257 boat-days. In 2006, sixty-eight percent of the total seine effort was expended in sub-areas 3-1 to 3-4, which is just below the 1985-1998 average of 71 percent. The gillnet fleet delivered catches of 260,002 sockeye, 83,999 pink, 56,699 chum and 6,283 chinook while seines delivered 47,325 sockeye, 155,712 pink and 44,452 chum. Of the total Area 3 pink net catch, 64% (153,450) was taken in sub-areas 3-1 to 3-4, slightly above the 1985-98 average of 61%. Nisgaa Treaty sales catches included 87,035 sockeye, 8,860 coho, 3,862 pink, 1,089 chum and 7,889 chinook.

Preliminary net sockeye escapement estimates to the Nass area totalled 250,642, with 146,954 passing through the Meziadin fishway. Pink escapements for all stocks to Area 3 were generally well below target levels with an aggregate total escapement estimate of 130,425. Though above expectations, chum escapements to Area 3 were also below average in 2006, with a preliminary estimate of 41,691, while the Area 3 coho escapement is estimated to be approximately 88,746.

Table 26 outlines Area 3 escapements for 2006.

#### **Area 4**

As was the case in the previous year, the 2006 fishing plan for Area 4 was derived primarily to address concerns for wild Skeena sockeye stocks and upper Skeena coho. The plan was developed around an abundance-based management scheme in an attempt to reduce exploitation of less productive Skeena sockeye while allowing variable harvest opportunities based on aggregate sockeye abundance. Overall, the intent was to reduce the aggregate-stock exploitation rate on Skeena sockeye in North Coastal marine net fisheries relative to the 1982-2002 base period. New to the 2006 management regime was the In-river Economic Opportunity Demonstration Fishery for First Nations. The intent of this fishery was to provide up-river First Nations the opportunity to harvest and sell Skeena sockeye through the transfer of gillnet and

seine licences. Rules for the fishery were in place to assure exploitation of less productive sockeye stocks was minimized. In addition, with only selective harvesting methods (beach seining, dip netting) being the rule, retention of all other co-migrating species was restricted.

Skeena sockeye returns were forecast to be around 1.85 million fish. At this run size the allowable aggregate Skeena sockeye harvest is set at 26%, with a variable weekly harvest rate dependent on the presence of co-migrating stocks of concern. In-season abundance was determined by the Skeena test fishery, native food, social, ceremonial and Economic Opportunity fish catches and commercial catches in other fishing areas in Northern BC and southern Southeast Alaska.

In 2006, Skeena River flow patterns were well below normal. A lower than average spring snow pack in the Skeena headwater region, along with less than average summer precipitation, resulted in much lower than average Skeena River flows being recorded at the Usk flow gauging station (just up-river of Terrace). By the middle of August river flows were at levels lower than those recorded in recent history for that time of year and changes to normal sockeye migration behaviours occurred, with fish opting to mill around the Tyee Test Fishery site instead of migrating past the site and into the river. As a result, an in-season over-estimation of the latter portion of the sockeye return occurred. The 2006 Area 4 gillnet, purse seine, and troll weekly catch and effort summary is provided in Tables 20 to 22.

The Area 4 gillnet fishery commenced on June 28 (Week 26) with one 30-hour opening scheduled to harvest Skeena chinook salmon at a terminal location (sub-Area 4-15). Effort for the week was 130 boat-days and the delivered catch was 1,684 chinook, a below average catch for this opening. Due to concerns over weak upper Skeena chinook returns in recent years it was decided that the opportunity for a second chinook-directed opening would not be provided. The sockeye by-catch during the opening was 542 pieces. By the end of June the Tyee Test Fishery sockeye index results indicated that the return was poorer than anticipated, with an estimated TRTC of approximately 1.5 million fish.

The directed Skeena sockeye fishery was scheduled to begin during Week 28 (on July 10). The later than usual opening date was chosen to minimize fishery impacts on less productive, early-timed Nanika River sockeye. Though early indications were pointing toward a poor return, by the middle of this week Tyee Test Fishery catches were indicating a much larger than anticipated Skeena sockeye return was appearing in Area 4, leading management staff to open the fishery on July 9, a day earlier than planned. The gillnet fleet fished five 16-hour openings, accumulating a total effort of 1,129 boat-days and delivering 145,559 sockeye, 11,068 pink, 6,083 chum and 2,189 chinook. Based on Tyee Test Fishery sockeye catches, the commercial sockeye catch rates were lower than anticipated.

In Week 29, sockeye catches at the Tyee Test Fishery remained strong and the total return estimate remained around 3.0 million, predominated by small 4-year old fish being caught in the 4 and 4 ½ inch meshes of the test fishery gillnet. These fish were too small to be caught by commercial gillnets, making estimation of actual return strength problematic. Meanwhile, test fishery catches of chum were weak and, with by-catch concerns from the gillnet fleet, management staff decided to institute a chum non-retention, non-possession regulation for all

remaining Area 4 net fisheries. During three 16-hour openings the gillnet fleet accumulated an effort of 734 boat days and delivering 125,980 sockeye, 11,068 pink and 822 chinook. The seine fleet commenced fishing in Area 4 this week with a non-possession, non-retention regulation for all species except sockeye and pink. Following four 16-hour openings, the seine delivered 49,457 sockeye and 14,809 pink caught with a combined effort of 126 boat days. With the gillnet fleet being unable to successfully catch the available harvestable surplus sockeye due to small fish size, the seine fleet was allowed access to the inside portion of Area 4 (portions of Sub-areas 4-12, 4-14 and 4-15) in an attempt to harvest surplus sockeye on specified days throughout the season (when the gillnet fleet was not fishing those areas).

Sockeye return strength peaked during Week 30, with an estimated escapement past Tyee of 375,000 and a delivered catch of nearly 225,000 pieces. The arrival of larger Fulton River sockeye into the Skeena River approach waters was evident as gillnet sockeye catch rates increased with each progressive opening. Gillnet deliveries were 184,116 sockeye, 86,352 pink and 701 chinook while seines delivered 40,192 sockeye and 37,070 pink. Fishing effort for the gill net and seine fleets were 968 and 85 boat days, respectively. Pink salmon returns continued to be well below pre-season expectations based on brood year strength and average odd-year return rates. With an estimated sockeye escapement past Tyee exceeding both spawning and First Nations Food, Social and Ceremonial (FSC) requirements, Excess to Salmon Spawning Requirement (ESSR) in-river harvest opportunities were scheduled at specific harvesting sites so as not to negatively impact non-Babine stocks. An anticipated Fraser sockeye gillnet opening in the south coast area resulted in southern licensed gillnetters heading south at the end of Week 30.

By August 3 the cumulative Skeena sockeye catch and escapement estimate was 2.13 million, with an estimated 1.45 million having already escaped past the Tyee Test Fishery. In addition, the Babine Total Return forecast was at 1.6 million, well beyond the 900,000 escapement requirement. The much reduced gillnet fleet fished two 16-hour days while the seine fleet was given four 16-hour openings. The reduced gillnet opportunity was due to an accumulated Areas 3-5 gillnet catch which exceeded the set north coast net fleet sockeye allocation to date. With a combined effort of 351 gillnet boat days the delivered sockeye catch dropped to 59,861 while deliveries of other species included 32,739 pink and 128 chinook. Seine effort increased to 163 boat days and the delivered catch was 92,100 sockeye and 75,388. An anticipated Week 32 Fraser River sockeye seine opening in the south coast area resulted in southern licensed seines leaving the north coast area at the end of this week.

By the second day of Week 32 (August 8), gillnets had fished two 16-hour openings, with an accumulated effort of 273 boat days and the seine fleet fished once, with 28 boat days of effort. Gillnets caught and delivered 57,193 sockeye, 28,971 pink and 142 chinook while the seine fleet delivered 12,852 sockeye and 5,963 pink. Based on Area 4 net fishing harvest policy intended to limit exploitation of less productive sockeye stocks, net fleet aggregate sockeye stock exploitation rate ceilings are set based on in-season total return estimates, with the ceiling increasing as return strength increases. By August 8, based on average run timing of Skeena sockeye, the run should have been nearing an end. With an in-season sockeye total return estimate of approximately 2.9 million, the accumulated commercial sockeye catch of approximately 905,000 was nearing the set aggregate exploitation rate ceiling of 31%. As a

result, commercial fishing in Area 4 was closed on August 9 until further notice, pending future test fishing results.

Between August 9 and August 15, an estimated 370,000 sockeye escaped past the Tyee Test fishery. The resulting Total Return estimate exceeded 3 million fish during Week 33 and raised the commercial sockeye catch allowance ceiling. As a consequence, gillnets fished 3 days catching 74,397 sockeye, 20,385 pink and 22 chinook with 267 boat days effort. In addition, seines fished 2 openings catching 4,512 sockeye and 1,958 pink with 10 boat days of effort.

Very high sockeye catches at the Tyee Test Fishery during Week 34, along with better than average Area 4 gillnet sockeye CPUEs from the previous week, gave the impression that Skeena sockeye return strength was continuing. Gillnets fished four 15-hour days catching 87,531 sockeye, 19,688 pink and 31 chinook with 263 boat days effort. Meanwhile, seines fished seven 15-hour openings and resulting deliveries were 25,054 sockeye and 7,639 pink from 34 boat days of effort. Steelhead and coho by-catch mortalities were becoming a concern as fishing pressure this late in the season has a greater impact on these species.

Tyee Test Fishery sockeye catches remained well above average during Week 35. Due to by-catch issues, gillnets did not fish this week. Seines fished one 15-hour opening, catching 630 sockeye and 37 pink with 3 boat days of effort.

With continued strong sockeye catches at the Tyee Test Fishery during the previous week gillnets were permitted to fish two 15-hour days during Week 36, catching 7,387 sockeye and 361 pink with 60 boat days effort. Due to accumulated net fishing impacts on coho and steelhead over the course of the Area 4 net fishing season the gillnet fleet fished with a short set and half length net regulation to minimize further impacts. Seines fished one 15-hour opening, catching 630 sockeye and 37 pink with 3 boat days of effort. With fish catches and quality indicating that the Skeena sockeye run was nearing an end, this was the final week of marine net fishing in Area 4.

In 2006, gillnets fished a total of 25 openings for 17 fishing days and 4,174 gillnet boat-days effort compared to the 1990-99 average of 19.7 fishing days and 8,705 gillnet boat-days. Sales slip delivery totals for the gillnet fleet were 742,563 sockeye, 219,733 pink, 6,083 chum and 5,720 large chinook. The seine fleet fished a total of 24 openings for 16 fishing days and 451 seine boat-days effort, compared to the 1990-99 average of 19.7 fishing days and 235 seine boat-days. Sales slip delivery totals for the seine fleet were 225,399 sockeye and 142,908 pink. The In-river Economic Opportunity Demonstration Fishery reported a total catch of 81,790 sockeye, while the reported ESSR catch for the season was 393,137 sockeye.

The preliminary estimate for total return of Skeena sockeye is 3.03 million. The preliminary net Skeena sockeye escapement estimate of 1,372,863 was well above the spawning target of 900,000. Although escapements of wild Babine sockeye stocks were variable, enhanced Babine stocks and egg deposition estimates met target. The cumulative escapement past the Babine fence was 1,297,863 sockeye. Non-Babine wild stock escapements were variable, with the 2 main stocks of concern, Nanika/Morice Rivers and Kitwanga River escaping 12,050 and 5,146, respectively. The Kitwanga escapement represents the highest recorded escapement in decades.

The Meanwhile, pink and chum escapements to most Coastal Area 4 systems and Skeena tributaries were well below target.

Table 28 provides the 2006 Area 4 spawning escapement estimates.

## **Area 5**

Management of the Area 5 fishery during July is based on average Skeena sockeye abundance with limited openings set to allow for exploitation of surplus Skeena sockeye and pink stocks. From mid to late August, Area 5 fisheries are managed to target local pink stocks. Species retention allowances and fishing regulations and restrictions were similar to those of the Area 4 net fleets. Tables 23 to 25 provide the weekly total Area 5 catch and effort for 2006.

In 2006, the surplus return of Skeena sockeye allowed for 20 gillnet sockeye-directed fisheries in Area 5. Once it was realised that local pink stocks were not abundant enough to warrant an Area 5 local pink-directed fishery, openings were limited to the outside areas to harvest passing Skeena sockeye. The Area 5 gillnet fishery took place between Weeks 28 and 34 (July 9 - August 24), during which the fleet accumulated a total of 71 boat days effort. The combined reported Area 5 gillnet catch for 2006 was 7,916 sockeye, 3,550 pink, 1,448 chum and 29 chinook. A total of 13 seine openings were permitted in order to target surplus passing Skeena sockeye stocks. The first seine fishery took place on July 16, during Week 29, while the final seine opening was August 26. The 2006 Area 5 seine fishery reported a total catch of 397 sockeye and 12,273 pinks with 3 boat-days of effort. Chinook, sockeye, chum, coho, and steelhead were non-retention, non-possession species throughout the Area 5 seine season.

The 2006 Area 5 escapement information is provided in Table 28.

### ***Management Performance Relative to Treaty Requirements***

#### **Areas 3 (1-4) Pink Net Catch (Preliminary)**

For the year 2006, Canada was to manage the 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon.

In the Canadian northern boundary area, slightly below average pink salmon returns were anticipated for Area 3 (1.83 million) and for Area 4 (2.20 million). Actual north coast returns were well below pre-season predictions. Strong returns were expected for the SE Alaska pink stocks adjacent to the northern boundary area but, as was the case for northern B.C stocks, SE Alaskan returns were also well below expectations. With a Total Run of 11,455,406 Alaska District 101, 102 and 103 pink salmon in 2006, the AAH for the Area 3(1-4) net fleet was 72,782 Alaska District 101, 102 and 103 pink salmon. The 2006 Canadian pink catch in Sub-areas 3-1 to 3-4 was

116,458, with a preliminary estimate of the Alaska stock component of this catch being 52,274, or 1.79 % of the AAH and below the allotted 2.49 % of the AAH.

The total Canadian pink catch of 116,458 in sub-areas 3-1 to 3-4 is much lower than the 1985-2000 average catch of 1.46 million. The below average Area 3 pink harvest resulted from very poor returns and management restraints on Canadian net fisheries in Sub areas 3-1 to 3-4, in an effort to minimize the harvest of weak upper Skeena coho and Area 3 chum stocks. In addition, the strong Skeena sockeye return attracted a portion of the fleet to Area 4 waters and reduced the both fishing effort and interception of fish in outer Area 3. The percentage of the 2006 Area 3 net catch taken in sub-areas (1-4) was 66.5%, which was above the 1985-2000 average of 58%.

Pink escapements in 2006 generally were well below target for the entire North Coast Area.

### **Area 1 Pink Troll Fishery (Preliminary)**

For the year 2006, Canada was to manage the Area 1 troll fishery to achieve an annual catch share of 2.57 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon. With a Total Run of 11,455,406 Alaska District 101, 102 and 103 pink salmon in 2005, the AAH for the Area 1 troll fishery was set at 75,120 pieces.

The Canadian commercial troll fishery was open in the northern portion of Area 1 from July 15 to September 30. The fishery harvested a total of 34,854 pink salmon, with an estimated 30,966, or 88.8%, being of Alaskan origin. This equates to 1.06% of the AAH of 11,455,406 Alaskan Districts 101, 102 and 103 pink salmon and was well below the annex agreement for 2.57 percent.

### ***2007 Salmon Forecast Northern British Columbia***

Expectations and fishing plans for 2007 are still preliminary. Specific opening dates and fishing patterns are determined through consultations with industry and since this process has not yet been completed, it is too early to provide details.

A summary of the forecasts for Areas 1, 3, 4, and 5 are provided in Table 25.

### **Area 1 Expectations**

***Sockeye*** There are no commercially significant local sockeye stocks in Area 1.

***Pink*** No surplus is forecasted as Queen Charlotte Island pinks are an even year stock.

***Chum*** A small gillnet assessment fishery is expected in Masset Inlet.

**Fishing Plans** The fishing plans for net fisheries have not been established.

### **Area 3 Expectations**

**Sockeye** An above average sockeye total return of 828 thousand is expected, providing an Area 3 commercial harvest opportunity of 500 thousand.

**Pink** A Nass pink return of 2.86 million is expected to provide an Area 3 catch of 2.48 million, along with an anticipated interception of 550 thousand Alaskan pinks.

**Chum** Area 3 chum stocks remain below target levels. No targeted fishing is anticipated.

**Fishing Plans** An average sockeye and above-average pink fishery is anticipated in Area 3 for 2007, with possible conservation measures to protect weak local chinook and chum stocks.

### **Area 4 Expectations**

**Sockeye** The Skeena sockeye return is forecast to be 2.5 million. A harvestable surplus of 850,000 is projected. Some wild Skeena sockeye stocks remain a conservation concern and management actions are put in place to protect these stocks.

**Pink** Skeena pink escapements were above average in the brood year resulting in a possible surplus of approximately 2.2 million fish being forecast for harvest in 2006. Exploitation of this surplus will be carried out with restrictions to protect less abundant Skeena sockeye and coho stocks.

**Chum** Skeena chum escapements are depressed and there will be no targeted fisheries on chum salmon.

**Fishing Plans** Domestic management initiatives to respond to weaker Skeena sockeye stocks, Upper Skeena coho management concerns and poor chum returns will be the key factors in developing the 2007 management plans.

### **Area 5 Expectations**

**Sockeye** No local Area 5 sockeye fisheries are anticipated in 2007.

**Pink** Strong local Area 5 pink returns in 2005 are expected to produce a surplus of about 690 thousand for harvest in 2007. Harvest of passing Skeena and Area 6 pink stocks is anticipated, as well.

**Chum** Local chum stocks are depressed, and no surplus is anticipated.

***Fishing Plans*** Area 5 fishing patterns will be based largely on the abundance of local pink stocks, Skeena coho management concerns, and the anticipated poor returns of Skeena chum salmon.

## TABLES

**Table 1.**—Weekly commercial catch and fishing effort by opening in the 2006 Alaska District 101 purse seine fishery (preliminary).

Openings			Closures		Effort			Catch					
Week/ Opening	Day	Date and Time	Day	Date and Time	Boat			Chinook	Sockeye	Coho	Pink	Chum	Total
27	Sunday	7/2/2006 5:00	Sunday	7/2/2006 20:00	13	15	195	130	208	143	3,289	4,268	8,038
27B	Thursday	7/6/2006 5:00	Thursday	7/6/2006 20:00	7	15	105	115	599	134	13,295	7,881	22,024
28	Sunday	7/9/2006 5:00	Sunday	7/9/2006 20:00	12	15	180	110	829	284	26,451	26,423	54,097
28B	Thursday	7/13/2006 5:00	Thursday	7/13/2006 20:00	25	15	375	133	2,083	636	55,746	27,239	85,837
29	Sunday	7/16/2006 5:00	Sunday	7/16/2006 20:00	16	15	240	90	2,536	686	30,792	29,539	63,643
29B	Thursday	7/20/2006 5:00	Thursday	7/20/2006 20:00	28	15	420	119	3,136	451	62,295	22,723	88,724
30	Sunday	7/23/2006 5:00	Sunday	7/23/2006 20:00	27	15	405	73	3,583	612	55,847	17,555	77,670
30B	Thursday	7/27/2006 5:00	Thursday	7/27/2006 20:00	19	15	285	161	5,036	886	51,382	14,859	72,324
31	Sunday	7/30/2006 5:00	Sunday	7/30/2006 20:00	26	15	390	235	5,566	1,541	87,817	21,265	116,424
31B	Thursday	8/3/2006 5:00	Thursday	8/3/2006 20:00	22	15	330	175	4,423	1,567	78,195	14,222	98,582
32	Sunday	8/6/2006 5:00	Sunday	8/6/2006 20:00	21	15	315	142	8,714	923	77,514	10,586	97,879
32B	Thursday	8/10/2006 5:00	Thursday	8/10/2006 20:00	10	15	150	19	280	350	20,648	1,483	22,780
33	Thursday	8/17/2006 6:00	Thursday	8/17/2006 21:00	6	15	90	31	2,318	404	17,121	1,449	21,323
34	Sunday	8/20/2006 6:00	Sunday	8/20/2006 21:00	6	15	90	1	3,105	115	4,627	477	8,325
Season Total					56	210	3,570	1,534	42,416	8,732	585,019	199,969	837,670

**Table 2.**—Weekly commercial catch and fishing effort by opening in the 2006 Alaska District 102 purse seine fishery (preliminary).

Week/ Opening	Openings		Closures		Effort			Catch					
	Day	Date and Time	Day	Date and Time	Boats	Hours	Boat Hours	Chinoo	Sockeye	Coho	Pink	Chum	Total
25	Sunday	6/18/2006 5:00	Wednesday	6/21/2006 20:00	1	87	87	Confidential information, less than 3 boats fishing					
26	Sunday	6/25/2006 5:00	Wednesday	6/28/2006 20:00	4	87	348	225	282	422	1,735	10,408	13,072
27	Sunday	7/2/2006 5:00	Sunday	7/2/2006 20:00	4	15	60	79	247	417	642	9,249	10,634
27B	Monday	7/3/2006 5:00	Wednesday	7/5/2006 20:00	7	63	441	139	600	1,293	1,314	22,570	25,916
27C	Thursday	7/6/2006 5:00	Thursday	7/6/2006 20:00	8	15	120	78	312	267	723	20,018	21,398
28	Sunday	7/9/2006 5:00	Sunday	7/9/2006 20:00	6	15	90	61	371	294	337	22,250	23,313
28B	Monday	7/10/2006 5:00	Wednesday	7/12/2006 20:00	15	63	945	133	1,372	1,575	9,583	93,244	105,907
28C	Thursday	7/13/2006 5:00	Thursday	7/13/2006 20:00	4	15	60	8	181	185	313	11,760	12,447
29	Sunday	7/16/2006 5:00	Sunday	7/16/2006 20:00	14	15	210	51	962	1,098	5,739	62,084	69,934
29B	Thursday	7/20/2006 5:00	Thursday	7/20/2006 20:00	1	15	15	Confidential information, less than 3 boats fishing					
30	Sunday	7/23/2006 5:00	Sunday	7/23/2006 20:00	15	15	225	59	778	789	45,773	40,456	87,855
30B	Thursday	7/27/2006 5:00	Thursday	7/27/2006 20:00	16	15	240	77	1,384	1,260	33,263	30,354	66,338
31	Sunday	7/30/2006 5:00	Sunday	7/30/2006 20:00	10	15	150	31	1,608	673	94,062	15,756	112,130
31B	Thursday	8/3/2006 5:00	Thursday	8/3/2006 20:00	16	15	240	41	2,470	984	66,350	8,825	78,670
32	Sunday	8/6/2006 5:00	Sunday	8/6/2006 20:00	7	15	105	37	486	476	32,712	6,281	39,992
32B	Thursday	8/10/2006 5:00	Thursday	8/10/2006 20:00	17	15	255	28	3,994	1,256	75,702	7,746	88,726
33	Thursday	8/17/2006 6:00	Thursday	8/17/2006 21:00	19	15	285	16	2,863	792	53,867	7,771	65,309
34	Sunday	8/20/2006 6:00	Sunday	8/20/2006 21:00	9	15	135	0	984	420	27,866	3,879	33,149
36	Thursday	9/7/2006 7:00	Thursday	9/7/2006 19:00	21	12	252	0	480	1,737	6,727	17,365	26,309
37	Wednesday	9/13/2006 7:00	Thursday	9/14/2006 19:00	19	36	684	1	142	1,335	674	6,839	8,991
38	Tuesday	9/19/2006 7:00	Wednesday	9/20/2006 19:00	9	36	324	0	21	298	154	5,543	6,016
39	Thursday	9/28/2006 7:00	Thursday	9/28/2006 19:00	9	12	108	0	1	23	1	4,924	4,949
Season Total					66	606	5,379	1,069	19,558	15,596	458,184	407,765	902,172

**Table 3.** Weekly commercial catch and fishing effort by opening in the 2006 Alaska District 103 purse seine fishery (preliminary).

Table 3: Weekly commercial catch and fishing effort by opening in the 2006 Alaska District 165 purse seine fishery (preliminary).													
Week/ Opening	Openings		Closures		Effort			Catch					
	Day	Date and Time	Day	Date and Time	Boats	Hours	Boat	Chinook	Sockeye	Coho	Pink	Chum	Total
30	Sunday	7/23/2006 5:00	Sunday	7/23/2006 20:00	1	15	15	Confidential information, less than 3 boats fishing					
30B	Thursday	7/27/2006 5:00	Thursday	7/27/2006 20:00	1	15	15	Confidential information, less than 3 boats fishing					
31	Sunday	7/30/2006 5:00	Sunday	7/30/2006 20:00	5	15	75	90	4,560	354	29,357	2,011	36,372
31B	Thursday	8/3/2006 5:00	Thursday	8/3/2006 20:00	10	15	150	327	3,855	1,053	47,361	4,257	56,853
32	Sunday	8/6/2006 5:00	Sunday	8/6/2006 20:00	18	15	270	190	6,258	1,421	108,440	10,854	127,163
32B	Thursday	8/10/2006 10:00	Thursday	8/10/2006 18:00	17	8	136	225	5,363	919	59,642	9,049	75,198
33	Thursday	8/17/2006 6:00	Thursday	8/17/2006 21:00	15	15	225	135	5,789	1,458	58,486	14,460	80,328
34	Sunday	8/20/2006 6:00	Sunday	8/20/2006 21:00	16	15	240	82	1,901	844	59,578	12,671	75,076
37	Tuesday	9/12/2006 7:00	Wednesday	9/13/2006 19:00	3	36	108	0	8	9	1,296	4,576	5,889
38	Sunday	9/17/2006 7:00	Monday	9/18/2006 19:00	2	36	72	Confidential information, less than 3 boats fishing					
Season Total					42	185	1,306	1,065	28,251	6,237	369,002	61,398	465,953

**Table 4.** Weekly commercial catch and fishing effort by opening in the 2006 Alaska District 104 purse seine fishery (preliminary).

Week/ Opening	Openings		Closures		Effort			Catch					
	Day	Date and Time	Day	Date and Time	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
27	Sunday	7/2/2006 5:00	Sunday	7/2/2006 17:00	6	12	72	343	1,000	986	810	6,816	9,955
28	Sunday	7/9/2006 5:00	Sunday	7/9/2006 20:00	2	15	30	Confidential information, less than 3 boats fishing					
28B	Thursday	7/13/2006 5:00	Thursday	7/13/2006 13:00	8	8	64	52	605	460	1,524	1,570	4,211
29	Sunday	7/16/2006 5:00	Sunday	7/16/2006 20:00	12	15	180	534	5,303	2,241	14,249	9,826	32,153
29B	Thursday	7/20/2006 5:00	Thursday	7/20/2006 20:00	8	15	120	367	13,261	2,552	34,650	8,160	58,990
30	Sunday	7/23/2006 5:00	Sunday	7/23/2006 20:00	30	15	450	767	24,427	3,136	90,171	10,582	129,083
30B	Thursday	7/27/2006 5:00	Thursday	7/27/2006 20:00	29	15	435	657	41,726	2,686	142,228	12,226	199,523
31	Sunday	7/30/2006 5:00	Sunday	7/30/2006 20:00	45	15	675	789	47,571	1,969	168,728	11,070	230,127
31B	Thursday	8/3/2006 5:00	Thursday	8/3/2006 20:00	50	15	750	3,134	35,199	2,931	146,255	15,813	203,332
32	Sunday	8/6/2006 5:00	Sunday	8/6/2006 20:00	49	15	735	1,144	31,364	2,793	153,068	17,220	205,589
32B	Thursday	8/10/2006 10:00	Thursday	8/10/2006 18:00	30	8	240	750	12,514	788	49,039	10,969	74,060
33	Thursday	8/17/2006 6:00	Thursday	8/17/2006 21:00	19	15	285	214	13,028	1,499	35,032	6,872	56,645
34	Sunday	8/20/2006 6:00	Sunday	8/20/2006 21:00	20	15	300	244	12,743	890	34,571	4,765	53,213
Σ Season Total					71	178	4,336	9,129	242,034	23,826	872,535	120,620	1,268,144

**Table 5.** Weekly commercial catch and fishing effort by opening in the 2006 Alaska District 101 drift gillnet fishery (preliminary).

Week/ Opening	Openings		Closures		Effort			Catch					
	Day	Date and Time	Day	Date and Time	Boats	Hours	Boat Hours	Chinoo	Sockeye	Coho	Pink	Chum	Total
25	Sunday	6/18/2006 12:01	Thursday	6/22/2006 12:00	36	96	3,455	569	8,280	26	68	2,681	11,624
26	Sunday	6/25/2006 12:01	Thursday	6/29/2006 12:00	41	96	3,935	513	7,230	116	1,132	11,187	20,178
27	Sunday	7/2/2006 12:01	Thursday	7/6/2006 12:00	36	96	3,455	377	14,002	916	9,812	31,224	56,331
28	Sunday	7/9/2006 12:01	Thursday	7/13/2006 12:00	35	96	3,359	108	7,273	606	22,998	41,456	72,441
29	Sunday	7/16/2006 12:01	Thursday	7/20/2006 12:00	35	96	3,359	47	8,098	858	25,725	36,420	71,148
30	Sunday	7/23/2006 12:01	Thursday	7/27/2006 12:00	35	96	3,359	44	4,382	1,478	24,526	25,377	55,807
31	Sunday	7/30/2006 12:01	Thursday	8/3/2006 12:00	34	96	3,263	23	4,415	1,606	39,258	33,972	79,274
32	Sunday	8/6/2006 12:01	Thursday	8/10/2006 12:00	34	96	3,263	13	3,690	1,600	36,855	15,518	57,676
33	Sunday	8/13/2006 12:01	Tuesday	8/15/2006 12:00	28	48	1,343	3	1,675	1,010	20,313	7,596	30,597
34	Sunday	8/20/2006 12:01	Tuesday	8/22/2006 12:00	22	48	1,056	7	747	636	13,664	7,861	22,915
35	Sunday	8/27/2006 12:01	Wednesday	8/30/2006 12:00	26	72	1,871	3	1,536	2,391	14,989	21,326	40,245
36	Sunday	9/3/2006 12:01	Wednesday	9/6/2006 12:00	27	72	1,943	4	890	2,858	2,818	13,077	19,647
37	Sunday	9/10/2006 12:01	Wednesday	9/13/2006 12:00	21	72	1,512	1	482	6,003	723	12,695	19,904
38	Sunday	9/17/2006 12:01	Wednesday	9/20/2006 12:00	17	72	1,224	4	45	5,090	80	6,548	11,767
39	Sunday	9/24/2006 12:01	Wednesday	9/27/2006 12:00	12	72	864	0	25	3,059	0	2,022	5,106
40	Sunday	10/1/2006 12:01	Wednesday	10/3/2006 12:00	8	48	384	0	0	828	0	267	1,095
Season Total					48	1,272	37,647	1,716	62,770	29,081	212,961	269,227	575,75

**Table 6.** Weekly commercial catch and fishing effort by opening in the 2006 Alaska District 106 drift gillnet fishery (preliminary).

Week/ Opening	Openings		Closures		Effort			Catch					
	Day	Date and Time	Day	Date and Time	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
24	Sunday	6/11/2006 12:01	Wednesday	6/14/2006 12:00	7	72	504	171	372	26	0	53	622
25	Sunday	6/18/2006 12:01	Wednesday	6/21/2006 12:00	27	72	1,943	377	3,843	986	115	1,587	6,908
26	Sunday	6/25/2006 12:01	Wednesday	6/28/2006 12:00	75	72	5,399	398	8,939	3,044	765	13,280	26,426
27	Sunday	7/2/2006 12:01	Wednesday	7/5/2006 12:00	56	72	4,031	307	17,965	3,921	2,643	51,705	76,541
28	Sunday	7/9/2006 12:01	Wednesday	7/12/2006 12:00	75	72	5,399	182	14,400	5,213	6,288	41,120	67,203
29	Sunday	7/16/2006 12:01	Wednesday	7/19/2006 12:00	88	72	6,334	125	20,416	5,318	38,968	67,274	132,101
30	Sunday	7/23/2006 12:01	Tuesday	7/25/2006 12:00	56	48	2,687	66	6,043	2,023	28,334	20,614	57,080
31	Sunday	7/30/2006 12:01	Tuesday	8/1/2006 12:00	39	48	1,871	30	3,609	1,069	23,105	11,027	38,840
32	Sunday	8/6/2006 12:01	Tuesday	8/8/2006 12:00	35	48	1,679	19	4,321	1,266	23,573	9,120	38,299
33	Sunday	8/13/2006 12:01	Tuesday	8/15/2006 12:00	25	48	1,200	2	3,783	1,641	11,848	6,436	23,710
34	Sunday	8/20/2006 12:01	Tuesday	8/22/2006 12:00	28	48	1,343	5	5,032	2,942	10,449	7,305	25,733
35	Sunday	8/27/2006 12:01	Tuesday	8/29/2006 12:00	38	48	1,823	0	2,272	3,171	2,000	5,930	13,373
36	Sunday	9/3/2006 12:01	Tuesday	9/5/2006 12:00	40	48	1,919	3	614	7,748	1,444	7,328	17,137
37	Sunday	9/10/2006 12:01	Thursday	9/14/2006 12:00	68	96	6,527	35	295	22,235	366	17,828	40,759
38	Sunday	9/17/2006 12:01	Thursday	9/21/2006 12:00	49	96	4,703	14	69	6,615	7	6,882	13,587
39	Sunday	9/24/2006 12:01	Wednesday	9/27/2006 12:00	18	72	1,296	3	5	1,287	2	774	2,071
40	Sunday	10/1/2006 12:01	Tuesday	10/3/2006 12:00	4	48	192	0	2	510	0	173	685
Season Total					143	1,080	48,849	1,737	91,980	69,015	149,907	268,436	581,075

**Table 7.** Weekly commercial catch and fishing effort by opening in the 2006 Annette Island Reserve purse seine fishery (preliminary).

Week/ Opening	Openings		Closures		Effort			Catch					
	Day	Date and Time	Day	Date and Time	Boat			Chinook	Sockeye	Coho	Pink	Chum	Total
					Boats	Hours	Hours						
25	Monday	6/19/2006 5:00	Monday	6/19/2006 20:00	0	15	0	0	0	0	0	0	0
26	Sunday	6/25/2006 5:00	Sunday	6/25/2006 20:00	1	15	15	14	41	7	111	115	288
27	Sunday	7/2/2006 5:00	Sunday	7/2/2006 20:00	1	15	15	10	31	24	301	173	539
27B	Thursday	7/6/2006 5:00	Friday	7/7/2006 20:00	1	39	39	7	87	7	113	631	845
28	Sunday	7/9/2006 5:00	Sunday	7/9/2006 20:00	1	15	15	21	121	24	1,501	1,430	3,097
28B	Friday	7/14/2006 5:00	Friday	7/14/2006 20:00	1	15	15	11	374	131	3,887	2,816	7,219
29	Sunday	7/16/2006 5:00	Sunday	7/16/2006 20:00	1	15	15	36	728	125	10,780	3,452	15,121
29B	Friday	7/21/2006 5:00	Friday	7/21/2006 20:00	1	15	15	9	582	115	6,530	2,354	9,590
30	Monday	7/24/2006 5:00	Tuesday	7/25/2006 20:00	1	39	39	12	2,736	213	19,451	3,474	25,886
30B	Thursday	7/27/2006 5:00	Friday	7/28/2006 20:00	1	39	39	40	1,044	212	9,359	1,552	12,207
31	Sunday	7/30/2006 5:00	Monday	7/31/2006 20:00	1	39	39	12	703	148	7,743	1,596	10,202
31B	Thursday	8/3/2006 5:00	Friday	8/4/2006 20:00	1	39	39	20	1,053	283	11,210	1,571	14,137
32	Sunday	8/6/2006 5:00	Monday	8/7/2006 20:00	1	39	39	28	1,580	221	19,603	2,031	23,463
32B	Thursday	8/10/2006 5:00	Thursday	8/10/2006 20:00	1	15	15	10	705	172	7,488	519	8,894
33	Sunday	8/13/2006 5:00	Sunday	8/13/2006 20:00	1	15	15	4	2,173	195	12,286	975	15,633
33B	Thursday	8/17/2006 5:00	Thursday	8/17/2006 20:00	1	15	15	3	508	232	10,293	711	11,747
34	Sunday	8/20/2006 5:00	Sunday	8/20/2006 20:00	1	15	15	0	4	8	513	36	561
35	Sunday	8/27/2006 5:00	Sunday	8/27/2006 20:00	0	15	0	0	0	0	0	0	0
36	Sunday	9/3/2006 5:00	Sunday	9/3/2006 20:00	0	15	0	0	0	0	0	0	0
37	Sunday	9/10/2006 6:00	Sunday	9/10/2006 20:00	0	14	0	0	0	0	0	0	0
37B	Wednesday	9/13/2006 6:00	Wednesday	9/13/2006 20:00	0	14	0	0	0	0	0	0	0
37C	Friday	9/15/2006 6:00	Friday	9/15/2006 20:00	0	14	0	0	0	0	0	0	0
38	Sunday	9/17/2006 6:00	Sunday	9/17/2006 20:00	0	14	0	0	0	0	0	0	0
38B	Wednesday	9/20/2006 6:00	Wednesday	9/20/2006 20:00	0	14	0	0	0	0	0	0	0
38C	Friday	9/22/2006 6:00	Friday	9/22/2006 20:00	0	14	0	0	0	0	0	0	0
39	Sunday	9/24/2006 6:00	Sunday	9/24/2006 20:00	0	14	0	0	0	0	0	0	0
39B	Tuesday	9/26/2006 6:00	Tuesday	9/26/2006 20:00	0	14	0	0	0	0	0	0	0
39C	Friday	9/29/2006 6:00	Friday	9/29/2006 20:00	0	14	0	0	0	0	0	0	0
Season Total					1	555	384	237	12,470	2,117	121,169	23,436	159,429

**Table 8.** Weekly commercial catch and fishing effort by opening in the 2006 Annette Island Reserve gillnet fishery (preliminary).

Week/ Opening	Openings		Closures		Effort			Catch					Total
	Day	Date and Time	Day	Date and Time	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	
24	Sunday	6/11/2006 12:00	Wednesday	6/14/2006 12:00	1	72	72	12	10	0	0	5	27
25	Sunday	6/18/2006 12:00	Wednesday	6/21/2006 12:00	1	72	72	68	372	10	52	235	737
26	Sunday	6/25/2006 12:00	Wednesday	6/28/2006 12:00	1	72	72	114	598	54	1,153	1,755	3,674
27	Sunday	7/2/2006 12:00	Friday	7/7/2006 12:00	1	120	120	162	617	145	5,354	11,610	17,888
28	Sunday	7/9/2006 12:00	Friday	7/14/2006 12:00	1	120	120	67	649	90	13,486	15,364	29,656
29	Sunday	7/16/2006 12:00	Friday	7/21/2006 12:00	1	120	120	16	642	36	18,300	13,169	32,163
30	Sunday	7/23/2006 12:00	Friday	7/28/2006 12:00	1	120	120	37	751	87	21,828	19,304	42,007
31	Sunday	7/30/2006 12:00	Friday	8/4/2006 12:00	1	120	120	10	553	456	22,515	13,830	37,364
32	Sunday	8/6/2006 12:00	Friday	8/11/2006 12:00	1	120	120	4	420	178	15,195	7,050	22,847
33	Sunday	8/13/2006 12:00	Thursday	8/17/2006 12:00	1	96	96	3	1,217	278	14,526	4,640	20,664
34	Sunday	8/20/2006 12:00	Wednesday	8/23/2006 12:00	1	72	72	1	985	250	11,294	2,685	15,215
35	Sunday	8/27/2006 12:00	Wednesday	8/30/2006 12:00	1	72	72	0	269	400	4,052	3,567	8,288
36	Sunday	9/3/2006 12:00	Thursday	9/7/2006 12:00	0	96	0	0	0	0	0	0	0
37	Sunday	9/10/2006 12:00	Friday	9/15/2006 12:00	0	120	0	0	0	0	0	0	0
38	Sunday	9/17/2006 12:00	Friday	9/22/2006 12:00	1	120	120	0	0	486	0	395	881
39	Sunday	9/24/2006 12:00	Friday	9/29/2006 12:00	0	120	0	0	0	0	0	0	0
41	Sunday	10/8/2006 12:00	Wednesday	10/11/2006 12:00	0	72	0	0	0	0	0	0	0
Season Total					1	1,704	1,296	494	7,083	2,470	127,755	93,609	231,411

**Table 9.** Southern Southeast Alaska pink salmon escapement indices by stock group and district for 2006 (in millions).  
[Steve Heintz – updated 11/24/06]

Stock Group	District	Total Pink Salmon Index for 2006	Lower Management Target	Upper Management Target	Met Minimum Escapement Target	Exceeded Escapement Target	Recent 10-year Average
Portland	101	1.04	0.84	1.89	+		2.17
E Behm	101	0.04	0.17	0.37	-		0.43
W Behm	101	0.23	0.33	0.74	-		0.68
Kasaan	102	0.63	0.34	0.93	+		1.30
Moirá	102	0.12	0.06	0.17	+		0.12
E Dall	103	0.13	0.16	0.36	-		0.40
Hetta	103	0.54	0.30	0.68	+		0.89
Klawock	103	0.54	0.52	1.17	+		1.58
Sea Otter Sound	103	0.14	0.15	0.33	-		0.33
Affleck Canal	105	0.13	0.20	0.38	-		0.51
Shipley Bay	105	0.09	0.14	0.27	-		0.45
Burnett	106	0.04	0.10	0.20	-		0.23
Ratz Harbor	106	0.10	0.10	0.21	+		0.21
Totem Bay	106	0.07	0.07	0.15	+		0.22
Whale Pass	106	0.10	0.13	0.28	-		0.25
Anan	107	0.26	0.32	0.68	-		0.50
Union Bay	107	0.10	0.08	0.17	+		0.16
Stikine	108	0.06	No Target				0.06
Total District 101		1.31	1.33	3.00	-		3.28
Total District 102		0.75	0.40	1.10	+		1.42
Total District 103		1.35	1.13	2.55	+		3.20
Total District 105		0.22	0.33	0.65	-		0.96
Total District 106		0.31	0.40	0.85	-		0.91
Total District 107		0.36	0.40	0.85	-		0.66
Total District 108		0.06	No Target				0.06
Southern Southeast Alaska Total		4.4 million	4.0 million	9.0 million	+		10.5 million

**Table 10.** Department of Fisheries and Oceans commercial salmon harvest report, Area 1 gillnet weekly sales slip catch, 2006 (Preliminary).

Table 16: Department of Fisheries and Oceans commercial salmon harvest report, Area 1 gillnet weekly sales slip catch, 2008 (Preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
LOCAL FISHERY											
38	9-3	SEP 23	10	closed	40	300	closed	350	2	26	1.1
39	9-4	30	16	closed	33	480	closed	529	4	65	2.7
39	10-1	OCT 07	2	closed	0	120	closed	122	1	26	1.1
TOTAL LOCAL FISHERY			28	closed	73	900	closed	1,001	7	117	4.9
FISHERY ON PASSING STOCKS			(No fishery on passing stocks)								
TOTAL FISHERY ON PASSING STOCKS			-	-	-	-	-	-	7	-	-
TOTAL AREA 1 GN FISHERY			28	closed	73	900	closed	1,001	-	117.0	4.9

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 11.** Department of Fisheries and Oceans commercial salmon harvest report, Area 1 seine weekly sales slip catch, 2006 (preliminary).

JULIA WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					BOAT DAYS	HOUR OPEN	DAYS FISHING
			SOCKEY	COHO	PINK	CHUM	CHINOO			
LOCAL FISHERY			(No local fishery in 2006)							
TOTAL LOCAL FISHERY			-	-	-	-	-	-	-	0.0
FISHERY ON PASSING STOCKS			(No fishery on passing stocks)							
TOTAL AREA 1 SN FISHERY			-	-	-	-	-	-	0.0	0.0

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIPS.

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 12.** Department of Fisheries and Oceans commercial salmon harvest report, Area 1 troll weekly hail catch 2006 (preliminary).

Table 12. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 from weekly harvest 2000 (preliminary).											
JULIAN WEEK	STAT. WEEK	ENDING DATE	CATCH						BOAT DAYS	HOURS OPEN	**DAYS FISHING
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
FISHERY ON PASSING STOCKS											
14	W/E 4-1	APR 08	closed	closed	closed	closed	*100	0	3	168	7
15	W/E 4-2	15	closed	closed	closed	closed	0	0	0	168	7
16	W/E 4-3	22	closed	closed	closed	closed	0	0	0	168	7
17	W/E 4-4	29	closed	closed	closed	closed	0	0	0	168	7
18	W/E 4-5	May 06	closed	closed	closed	closed	0	0	0	168	7
19	W/E 5-1	13	closed	closed	closed	closed	*87	0	3	168	7
20	W/E 5-2	20	closed	closed	closed	closed	*103	0	3	168	7
21	W/E 5-3	27	closed	closed	closed	closed	0	0	0	168	7
22	W/E 5-4	JUN 03	closed	closed	closed	closed	0	0	0	168	7
23	W/E 6-1	10	0	0	28	closed	*9,792	28	330	168	7
24	W/E 6-2	17	0	0	82	closed	5,623	5,705	338	168	7
25	W/E 6-3	24	0	20	308	closed	19,715	20,043	613	168	7
26	W/E 6-4	JUL 01	6	109	235	closed	*16,273	350	456	168	7
27	W/E 7-1	08	4	417	154	closed	14,346	14,921	404	168	7
28	W/E 7-2	15	11	522	1,223	closed	5,650	7,406	296	168	7
29	W/E 7-3	22	207	7,915	10,264	closed	7,719	26,105	358	168	7
30	W/E 7-4	29	500	40,243	6,721	closed	7,588	55,052	454	168	7
31	W/E 7-5	AUG 05	775	32,946	6,114	closed	*6,641	39,835	438	168	7
32	W/E 8-1	12	2,129	13,301	2,952	closed	5,118	23,500	289	168	7
33	W/E 8-2	19	5,163	8,397	3,578	closed	4,708	21,846	333	168	7
34	W/E 8-3	26	1,747	5,746	2,831	closed	2,604	12,928	283	168	7
35	W/E 8-4	SEP 02	430	1,111	328	closed	2,136	4,005	110	168	7
36	W/E 9-1	09	121	608	36	closed	1,122	1,887	64	168	7
37	W/E 9-2	16	19	145	0	closed	1,070	1,234	49	168	7
38	W/E 9-3	23	5	128	0	closed	493	626	39	168	7
39	W/E 9-4	30	0	14	0	closed	69	83	6	168	7
40	W/E 10-1	OCT 07	closed	closed	closed	closed	closed	closed	closed	closed	closed

-Continued-

**Table 12.** Page 2 of 2.

<b>JULIAN WEEK</b>	<b>STAT. WEEK</b>	<b>ENDING DATE</b>	<b>SOCKEYE</b>	<b>COHO</b>	<b>PINK</b>	<b>CHUM</b>	<b>CHINOOK</b>	<b>TOTAL</b>	<b>BOAT DAYS</b>	<b>HOURS OPEN</b>	<b>**DAYS FISHING</b>
TOTAL FISHERY ON PASSING STOCKS			11,117	111,622	34,854	closed	110,957	268,550	4,869	4,368	182
NO LOCAL FISHERY											
TOTAL AREA 1 TROLL FISHERY			11,117	111,622	34,854	closed	110,957	268,550	4,869	4,368	182

NOTE: 2006 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

\*INCLUDES FISH CAPTURED DURING TEST FISHERY

\*\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 13.** Department of Fisheries and Oceans commercial salmon harvest report, Area 3 (1-4) gillnet weekly sales slip catch), 2006 (preliminary).

JULIA WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
24	6-2	JUN 17	1,837	closed	1	10	205	2,054	72	16	0.7
25	6-3	24	2,160	closed	7	118	239	2,525	146	32	1.3
26	6-4	JUL 01	9,816	closed	29	1,271	533	11,650	199	32	1.3
27	7-1	08	30,397	closed	539	11,927	373	43,296	412	48	2.0
28	7-2	15	18,223	closed	1,139	4,639	105	24,106	185	80	3.3
29	7-3	22	16,365	closed	2,326	2,892	41	21,623	110	48	2.0
30	7-4	29	7,240	closed	2,621	2,169	18	12,047	64	64	2.7
31	7-5	AUG 05	1,795	closed	1,096	0	0	2,891	21	32	1.3
TOTALS			87,834	closed	7,757	23,086	1,515	120,191	1,209	352	14.7

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 14.** Department of Fisheries and Oceans commercial salmon harvest report, Area 3 (7-17) gillnet weekly sales slip catch, 2006 (preliminary).

JULIA WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
24	6-2	JUN 17	2,808	closed	1	16	318	3,143	110	16	0.7
25	6-3	24	13,338	closed	4	186	1,644	15,171	314	32	1.3
26	6-4	JUL 01	25,403	closed	66	3,264	1,403	30,137	515	32	1.3
27	7-1	08	57,295	closed	621	18,240	934	77,090	769	48	2.0
28	7-2	15	38,310	closed	2,308	5,480	404	46,502	313	64	2.7
29	7-3	22	21,395	closed	2,756	2,585	34	26,770	146	48	2.0
30	7-4	29	13,636	closed	5,086	3,841	31	22,595	111	64	2.7
31	7-5	AUG 05	closed	closed	closed	closed	closed	closed	closed	closed	closed
TOTALS			172,184	closed	10,842	33,613	4,768	221,408	2,278	304	12.7

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 15.** Department of Fisheries and Oceans commercial salmon harvest report, total Area 3 weekly gillnet sales slip catch 2006 (preliminary).

JULIA WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOUR OPEN	DAYS FISHING
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOO	TOTAL			
24	W/E 6-2	JUN 17	4,645	closed	1	27	523	5,197	182	16	0.7
25	W/E 6-3	24	15,498	closed	11	304	1,883	17,696	460	32	1.3
26	W/E 6-4	JUL 01	35,218	closed	95	4,536	1,937	41,786	714	32	1.3
27	W/E 7-1	08	87,692	closed	1,160	30,227	1,307	120,386	1,181	48	2.0
28	W/E 7-2	15	56,533	closed	3,447	10,119	510	70,608	498	80	3.3
29	W/E 7-3	22	37,760	closed	5,082	5,476	75	48,393	256	48	2.0
30	W/E 7-4	29	20,876	closed	7,707	6,010	49	34,642	175	64	2.7
31	W/E 7-5	AUG 05	1,795	closed	1,096	-	-	2,891	21	32	1.3
TOTALS			260,018	closed	18,599	56,699	6,283	341,599	3,487	352	15

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 16.** Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Entrance (sub-areas 3-1 to 3-4) weekly seine sales slip catch, 2006 (preliminary).

JULIA WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JUL 22	12,374	closed	12,013	closed	closed	24,387	35	64	2.7
30	7-4	29	7,477	closed	38,898	25,838	closed	72,213	65	48	2.0
31	7-5	AUG 05	10,553	closed	45,311	14,309	closed	70,173	61	48	2.0
TOTALS			30,404	closed	96,222	40,147	closed	166,773	161	160	7

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 17.** Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Inside (sub-areas 7 to 17) purse seine sales slip catch, 2006 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JUL 22	6,396	closed	7,451	closed	closed	13,847	28	48	2.0
30	7-4	29	3,345	closed	16,376	6,360	closed	26,081	25	48	2.0
31	7-5	AUG 05	3,692	closed	17,787	3,484	closed	24,963	22	48	2.0
TOTALS			13,433	closed	41,614	9,844	closed	64,891	75	144	6

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 18.** Department of Fisheries and Oceans commercial salmon harvest report, total Area 3 purse seine sales slip catch. 2006 (preliminary),

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JUL 22	18,770	closed	19,464	closed	closed	38,234	63	32	1.3
30	7-4	29	10,822	closed	55,274	32,198	closed	98,294	90	64	2.7
31	7-5	AUG 05	14,245	closed	63,098	17,793	closed	95,136	83	64	2.7
TOTALS			43,837	closed	137,836	49,991	closed	231,664	236	160	7

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 19.** Department of Fisheries and Oceans commercial salmon harvest report, Area 3 troll hail catch, 2006 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
35	8-4	SEP 02	1	134	14	closed	closed	149	8	168	7
36	9-1	09	1	494	13	closed	closed	508	15	168	7
36	9-2	16	1	274	9	closed	closed	284	3	168	7
TOTALS			3	902	36	closed	closed	941	26	504	21

**NOTE: 2006 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.**

**\*INCLUDES FISH CAPTURED DURING TEST FISHERY**

**\*\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.**

**Table 20.** Department of Fisheries and Oceans commercial salmon harvest report, Area 4 gillnet sales slip catch, 2006 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDIN	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING
		DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
26	6-4	JUL 01	542	closed	0	0	1,684	2,226	130	30	1.3
27	7-1	08	closed	closed	closed	closed	closed	closed	closed	closed	closed
28	7-2	15	145,559	closed	11,068	6,083	2,189	164,898	1,129	80	3.3
29	7-3	22	125,980	closed	20,168	closed	822	146,971	734	48	2.0
30	7-4	29	184,116	closed	86,352	closed	701	271,170	968	64	2.7
31	7-5	AUG 05	59,861	closed	32,739	closed	128	92,728	351	32	1.3
32	8-1	12	57,193	closed	28,971	closed	142	86,306	273	42	1.8
33	8-2	19	74,394	closed	20,385	closed	22	94,801	267	45	1.9
34	8-3	26	87,531	closed	19,688	closed	31	107,250	263	45	1.9
35	8-4	SEP 02	closed	closed	closed	closed	closed	closed	closed	closed	closed
36	9-1	09	7,387	closed	361	closed	0	7,748	60	26	1.1
TOTALS			742,563	closed	219,733	6,083	5,720	974,099	4,174	412	17

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 21.** Department of Fisheries and Oceans commercial salmon harvest report, Area 4 purse seine sales slip catch, 2006 (preliminary).

JULIAN	STAT.	WEEK ENDING	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING *
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
WEEK	WEEK	DATE									
29	7-3	22	49,457	closed	14,809	closed	closed	64,266	126	64	2.7
30	7-4	29	40,192	closed	37,070	closed	closed	77,262	85	48	2.0
31	7-5	AUG 05	92,100	closed	75,338	closed	closed	167,438	163	80	3.3
32	8-1	12	12,825	closed	5,963	closed	closed	18,788	28	16	0.7
33	8-2	19	4,512	closed	1,958	closed	closed	6,470	10	32	1.3
34	8-3	26	25,054	closed	7,639	closed	closed	32,694	34	105	4.4
35	8-4	SEP 02	630	closed	93	closed	closed	723	3	15	0.6
36	9-1	09	630	closed	37	closed	closed	667	3	15	0.6
TOTALS			225,399	closed	142,908	closed	closed	368,307	452	375	16

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 22.** Department of Fisheries and Oceans commercial salmon harvest report, Area 4 troll sales slip catch, 2006 (preliminary).

JULIA WEEK	STAT. WEEK	WEEK ENDIN DATE	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
30	W/E 7-4	JUL 29	11	2,658	212	closed	66	2,947	15	168	7
31	W/E 7-5	AUG 05	3	1,739	165	closed	7	1,914	14	168	7
32	W/E 8-1	12	6	1,900	257	closed	-	2,163	18	168	7
33	W/E 8-2	19	72	1,194	275	closed	-	1,541	15	168	7
34	W/E 8-3	26	5	855	48	closed	-	908	3	168	7
35	W/E 8-4	SEP 02	-	69	3	closed	-	72	4	168	7
TOTAL FISHERY ON PASSING STOCKS			97	8,415	960	closed	73	9,545	69	1,008	42

NOTE: 2006 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 23.** Department of Fisheries and Oceans commercial salmon harvest report, Area 5 gillnet sales slip catch, 2006 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-2	JUL 15	5,610	closed	2,201	1,448	25	9,284	51	80	3.3
29	7-3	22	780	closed	366	closed	4	1,150	7	48	2.0
30	7-4	29	834	closed	694	closed	0	1,528	7	64	2.7
31	7-5	AUG 05	48	closed	21	closed	0	69	1	32	1.3
32	8-1	12	123	closed	143	closed	0	266	1	32	1.3
33	8-2	19	0	closed	0	closed	0	0	0	0	0.0
34	8-3	26	521	closed	126	closed	0	647	4	64	2.7
TOTALS			2,306	closed	1,350	1,448	29	12,944	71	320	13

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 24.** Department of Fisheries and Oceans commercial salmon harvest report, Area 5 seine sales slip catch, 2006 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JUL 22	34	closed	17	closed	closed	51	1	16	0.7
30	7-4	29	32	closed	1,518	closed	closed	1,550	1	15	0.6
31	7-5	AUG 05	216	closed	2,013	closed	closed	2,229	1	15	0.6
32	8-1	12	0	closed	0	closed	closed	0	0	15	0.6
33	8-2	19	115	closed	8,724	closed	closed	8,839	1	30	1.3
34	8-3	26	0	closed	0	closed	closed	0	0	45	1.9
TOTALS			397	closed	12,272	closed	closed	12,669	3	136	6

NOTE: 2006 CATCH FIGURES ARE BASED ON SALES SLIP DATA (to December 4, 2006).

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 25.** Department of Fisheries and Oceans commercial salmon harvest report, Area 5 troll sales slip catch, 2006 (preliminary).

JULIA WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
30	W/E 7-4	JUL 29	closed	32	5	closed	closed	37	1	168	7
31	W/E 7-5	AUG 05	closed	0	0	closed	closed	0	0	168	7
32	W/E 8-1	12	closed	0	0	closed	closed	0	0	168	7
33	W/E 8-2	19	closed	0	0	closed	closed	0	0	168	7
34	W/E 8-3	26	closed	0	0	closed	closed	0	0	168	7
35	W/E 8-4	SEP 02	closed	5	0	closed	closed	5	1	168	7
36	W/E 9-1	09	closed	0	0	closed	closed	0	0	168	7
37	W/E 9-2	16	closed	0	0	closed	closed	0	0	168	7
38	W/E 9-3	23	closed	0	0	closed	closed	0	0	168	7
39	W/E 9-4	30	closed	0	0	closed	closed	0	0	168	7
TOTAL FISHERY ON PASSING STOCKS			closed	37	5	closed	closed	42	2	1,680	70

NOTE: 2006 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

\*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

**Table 26.**—Preliminary annual allowable harvest (AAH) calculations for Canadian Area 3(1-4) net fishery, 2006.

Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:	
Total Run	11,455,406
Escapement Index (x 2.5)	8,532,450
Escapement Requirement	10,750,000
Annual Allowable Harvest (AAH)	2,922,956
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 3(1-4) Net	
Total Pink Harvest in Area 3(1-4) Net (Sales Slip Data)	103,979
Actual Number of Alaskan Pink Harvested	52,274
Actual %AAH	1.79%
Overage/Underage Based on the 2.49% AAH Stipulated in the Treaty:	
Allowable % AAH	2.49%
Allowable Harvest	72,247
Overage (Positive)/Underage (Negative)	(-21,444)
Cumulative Overage/Underage	(-1,464,852)

**Table 27.**—Preliminary annual allowable harvest (AAH) calculations for Canadian Area 1 troll fishery, 2006.

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Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:	
Total Run	11,455,406
Escapement Index (x 2.5)	8,532,450
Escapement Requirement	10,750,000
Annual Allowable Harvest (AAH)	2,922,956
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 1 Troll	
Total Pink Harvest in Area 1 Troll (Sales Slip Data)	34,854
Actual Number of Alaskan Pink Harvested	30,417
Actual %AAH	1.05%
Overage/Underage Based on the 2.57% AAH Stipulated in the Treaty:	
Allowable % AAH	2.57%
Allowable Harvest	74,568
Overage (Positive)/Underage (Negative)	(-44,151)
Cumulative Overage/Underage	(-5,452,753)

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**Table 28.—Department of Fisheries and Oceans, 2006 escapements to Areas 3, 4, and 5  
(preliminary).**

<b>AREA</b>	<b>SOCKEYE</b>	<b>PINK</b>	<b>CHUM</b>
3	250,642	130,425	44,691
Meziadin:	146,954		
4	1,340,257	116,097	685
5	23,620	29,490	3,328

Table 27. Department of Fisheries and Oceans, 2007 salmon forecast, Areas 1, 3, 4, and 5.

**2007 COMMERCIAL NET SOCKEYE AND PINK FORECAST**

<b>AREA</b>	<b>Species</b>	<b>FORECAST RETURNS TO CANADA</b>	<b>TARGET ESCAPEMENT</b>	<b>CATCH OF AREAS PRODUCTION *</b>	<b>CATCH OF OTHER AREAS PRODUCTION</b>	<b>TOTAL CATCH IN AREA</b>
AREA 1	Sockeye	No forecast done	N/A	—	—	—
	Pink	Off-year	1,152,000	0	0	0
AREA 3	Sockeye	828,000	200,000	628,000	50,000	678,000
	Pink	2,861,577	375,000	2,486,577	750,000	3,236,577
AREA 4	Sockeye	2,495,923	900,000	1,200,000	50,000	1,250,000
	Pink	3,677,732	2,097,800	1,579,932	100,000	1,679,932
AREA 5	Sockeye	No forecast done	50,000	0	5,000	5,000
	Pink	840,219	254,500	585,719	250,000	835,719

\* - Areas 3 and 4 catch includes commercial and First Nations harvests in tidal and non-tidal waters.

## FIGURES

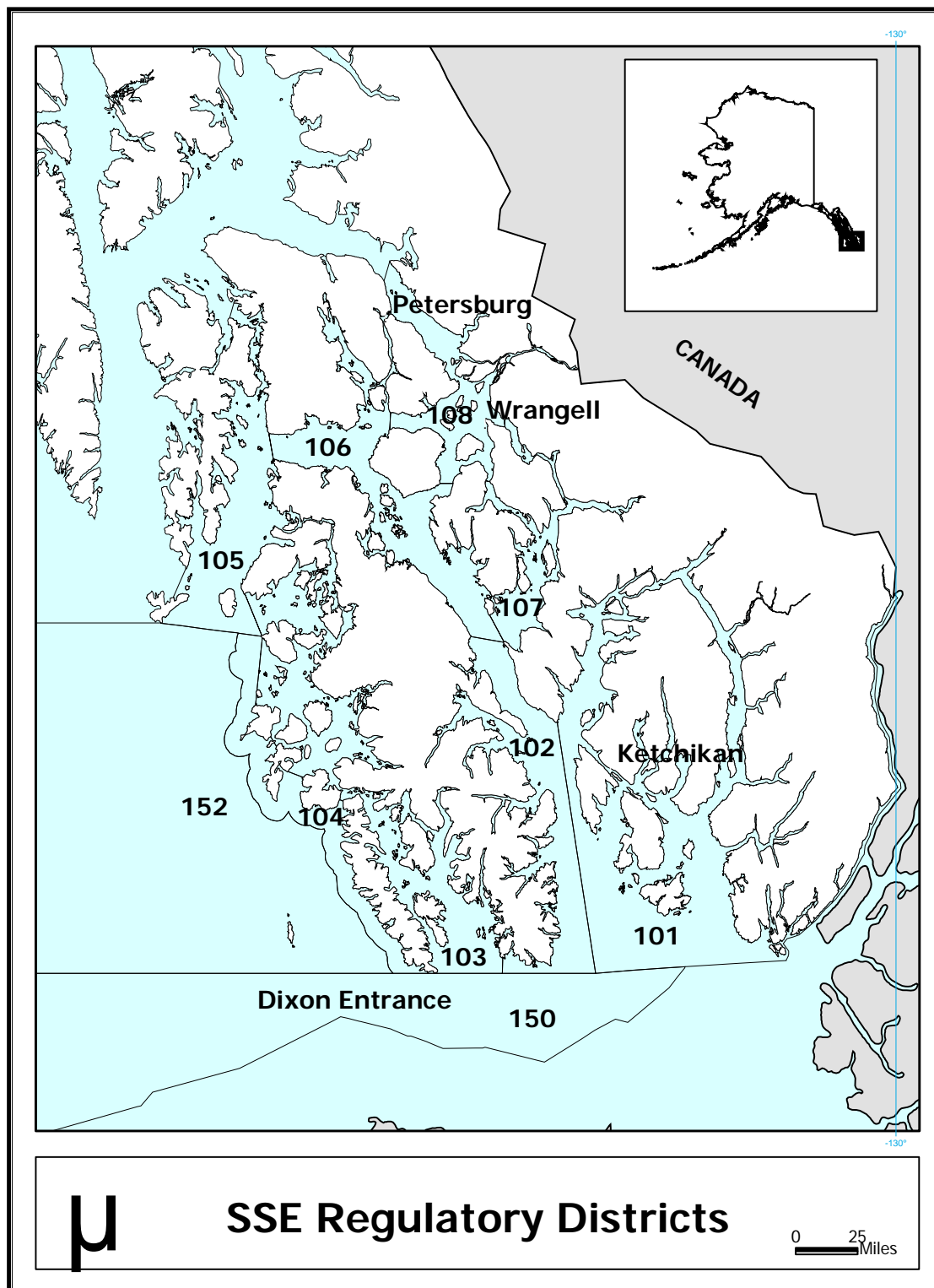


Figure 1. Alaska Department of Fish and Game Southern Southeast Alaska regulatory districts.

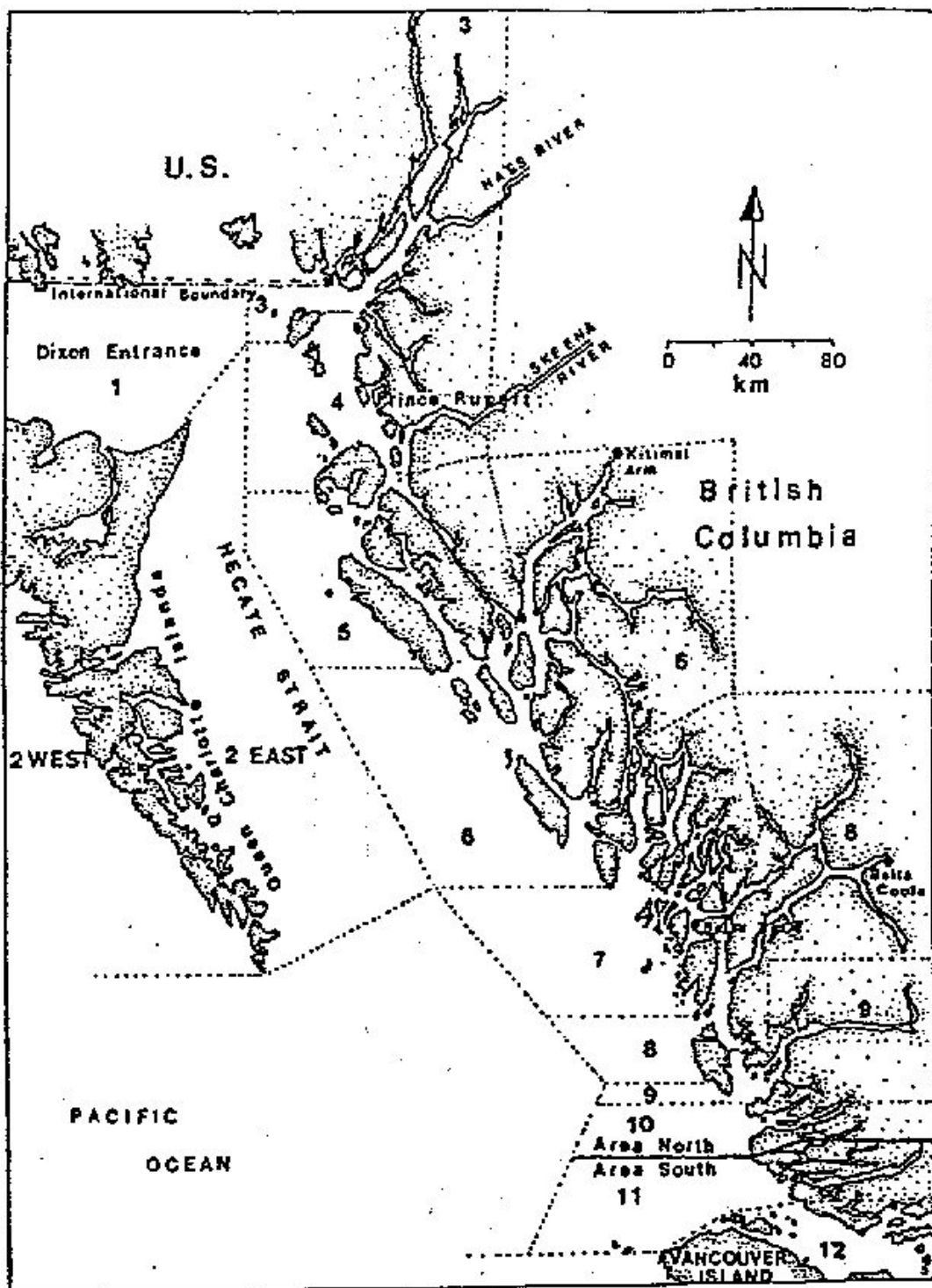


Figure 2. Canadian Department of Fisheries and Oceans Statistical Areas 1-10, Northern British Columbia.

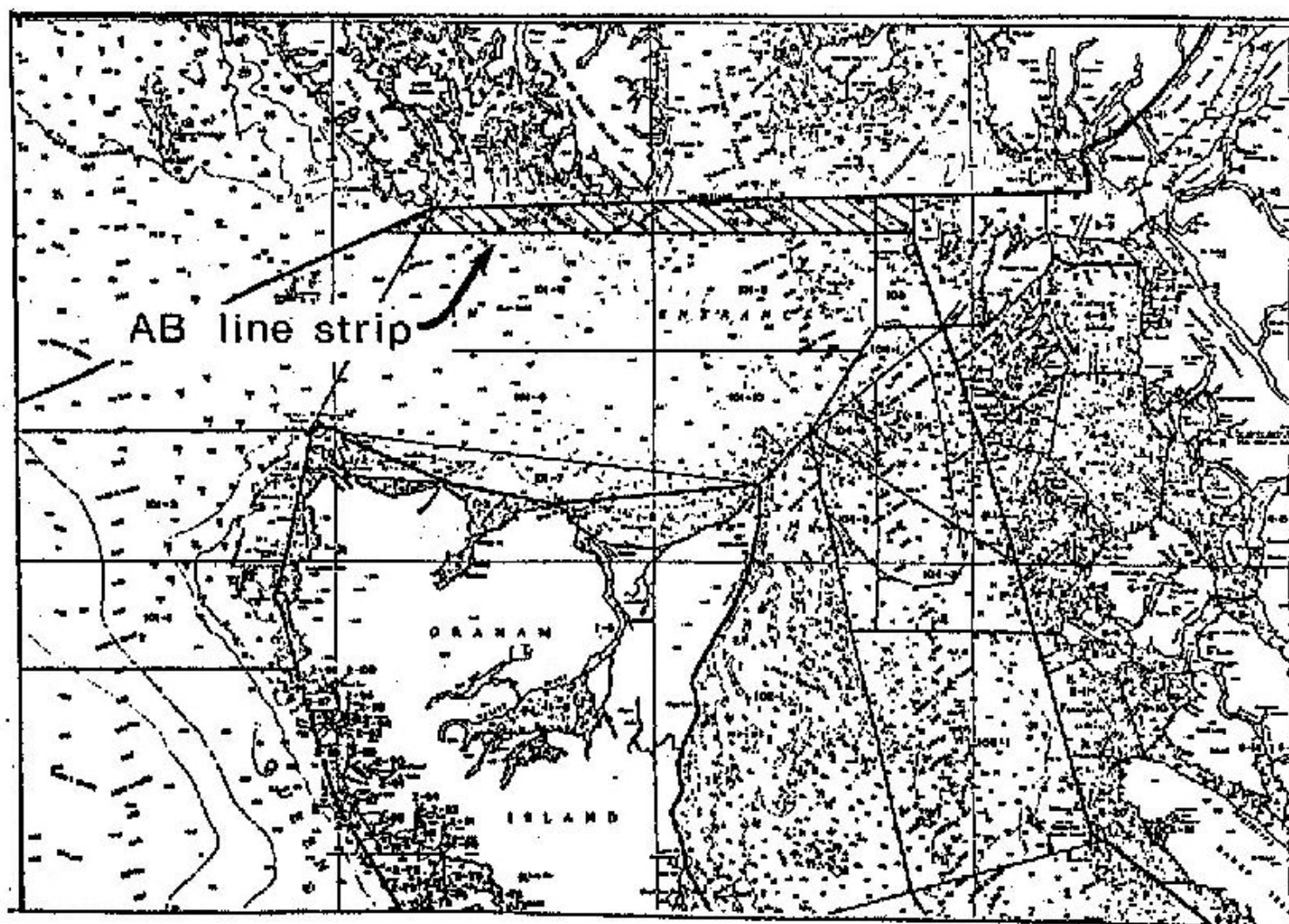


Figure 3. Canadian Department of Fisheries and Oceans Statistical Area 1 management sub-areas.

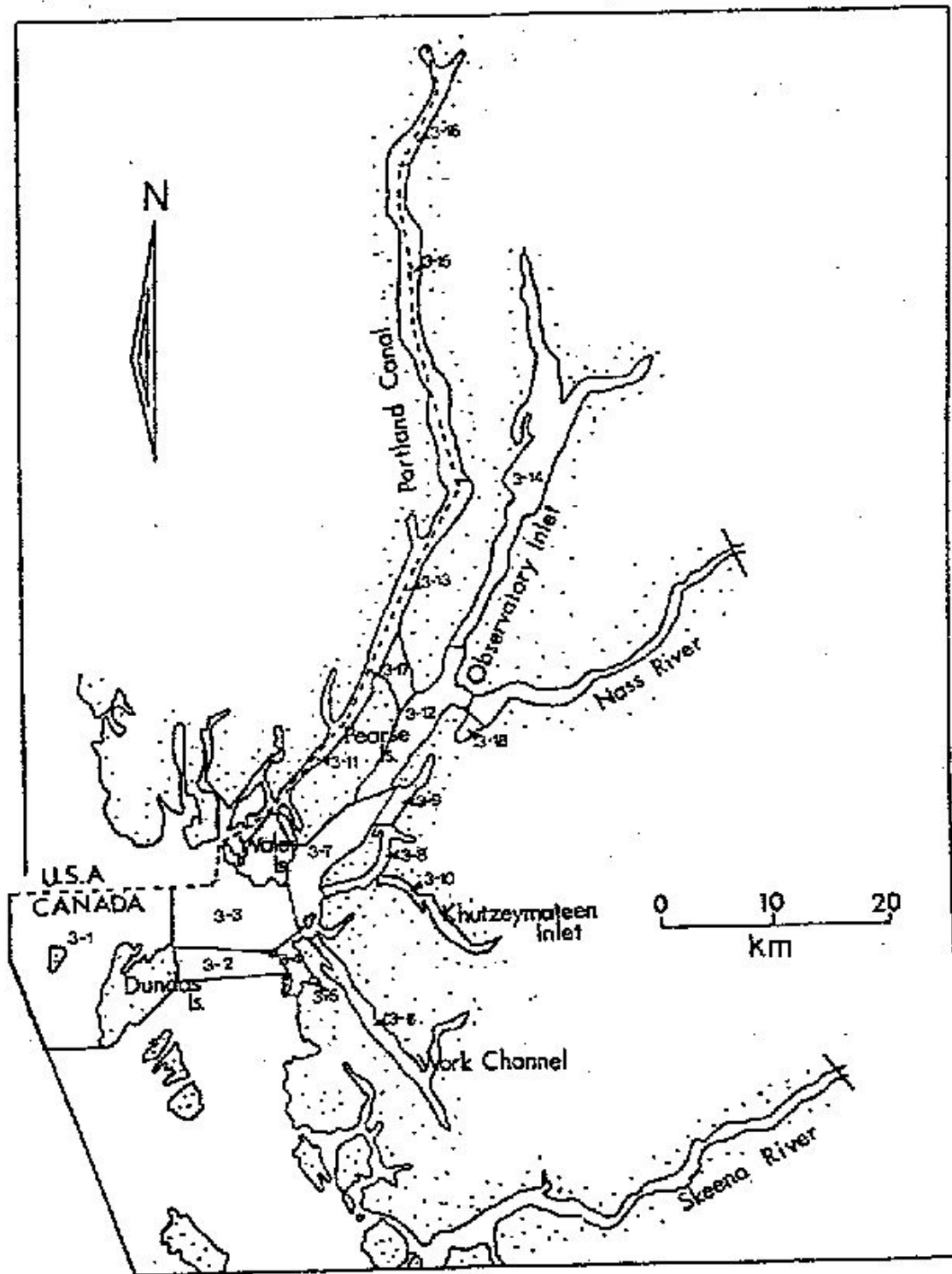


Figure 4. Canadian Department of Fisheries and Oceans Statistical Area 3 management sub-areas.