PACIFIC SALMON COMMISSION
JOINT NORTHERN BOUNDARY TECHNICAL COMMITTEE REPORT

U.S./CANADA NORTHERN BOUNDARY AREA 2011 SALMON FISHERIES MANAGEMENT REPORT AND 2012 PRELIMINARY EXPECTATIONS

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EXECUTIVE SUMMARY

This report reviews:

1) catch, effort, and management actions in the 2011 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 2012.

2011 Fisheries

The southern Southeast Alaska pink salmon harvest was 11.2 million (Districts 1-8, all harvest code, all gear), which was below the 10-year average of 23.2 million. For all of Southeast Alaska, excluding the Yakutat area, the pink salmon harvest was 58.9 million, which was very close to the preseason forecast of 55 million. The total 2011 Southeast Alaska pink salmon escapement index of 14.3 million index fish was ranked as the 12th highest since 1960, but was slightly below the recent 10-year average of 15.2 million. Biological escapement goals are in place for three subregions in Southeast Alaska and pink salmon escapement goals were reached for all three sub-regions in 2011. Many purse seine vessels moved to northern Southeast Alaska as the season progressed to harvest strong pink salmon returns in that area and this shift in effort may have reduced catches in southern Southeast.

Sockeye salmon catches in Alaska boundary area gillnet and purse seine fisheries, including treaty fisheries, were below average in all areas, except District 102 seine where catches were average. The Hugh Smith Lake adult sockeye salmon escapement was 22,000, which was above the optimal escapement goal range of 8,000 to 18,000 adult sockeye salmon. The expanded peak survey count of 113,000 McDonald Lake sockeye salmon was near the upper bound of the 55,000 to 120,000 sustainable escapement goal range.

Alaska boundary area gillnet and purse seine summer chum salmon catches were above average. The southern Southeast Alaska wild-stock escapement index, which has a sustainable escapement goal of an aggregate 68,000 index spawners to 13 summer run chum salmon streams, was 157,000 making 2011 the third highest in the time series.

Gillnet and purse seine coho catches in the Alaska boundary area were below average while coho escapement counts and estimates were within or above goal. The combined peak count in the 14 surveyed streams in the Ketchikan area of 5,202 spawners was within the goal of 4,250-8,500 spawners. The total escapement of 2,137 spawners to Hugh Smith Lake ranked 5th highest in 30 years and was well-above the biological goal range (500-1,600 spawners).

In Canadian Area 1 there no longer are commercial net interception fisheries on passing salmon stocks in Area 1. No pink or chum surpluses were identified in-season therefore there were no terminal gillnet or seine fisheries in Area 1. Catches in the Area 1 troll fishery were above the previous decadal average for sockeye (6,152 vs. 1,487) and coho (220,279 vs. 103,690) but below average for pink (52,221 vs. 62,588).

Sockeye catches were small in Area 3 with gillnets catching 70,075 compared to the previous decadal average of 255,093 and seines catching 60,422 compared to the previous decadal average of 70,724. Pink catches were also well below average in Area 3 with gillnets catching 28,978 compared to the previous decadal average of 212,947 and seines catching 289,907 compared to the previous decadal average of 1,238,669.

Sockeye catches were low in Area 4 with gillnets catching 249,050 compared to the previous decadal average of 533,614 and seines catching 60,843 compared to the previous decadal average of 183,511. Pink catches were also below average in Area 4 with gillnets catching 95,742 compared to the previous decadal average of 117,659 and seines catching 97,970 compared to the previous decadal average of 382,670.

Catch and effort in Area 5 was well below average for gillnets and no seine fishery occurred in Area 5 in 2011.

Returns of North Coast sockeye stocks were slightly higher than anticipated in 2011. The preliminary Nass sockeye total return to Canada (TRTC) estimate of 460,941 was above the pre-season forecast of 420,000. The Skeena preliminary total return estimate of 1.9 million was also slightly higher than the pre-season total return sibling forecast of 1.7 million. Pink returns throughout the North Coast were much lower than expected based on the strong brood year escapements. Pink escapements in Area 3 and 4 were approximately one tenth of the brood year escapement. Chum escapements continued to be poor and retention of chum were not permitted by gillnet or seine in Areas 3 to 5.

MANAGEMENT PERFORMANCE

Pacific Salmon Treaty based harvest sharing agreements were renewed in 2009 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 agreements are "abundance based" where the allowable harvest is a percentage of the Annual Allowable Harvest (AAH). The AAH 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 period of the agreement to allow for annual variation.

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 Alaska's District 104 purse seine fishery, the Nass and Skeena sockeye salmon run size determines the AAH of these stocks prior to Statistical Week 31. 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 2011 the initial opening was July 3 (Week 28). The 2011 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 523,000 Nass River sockeye salmon and about 1.6 million Skeena River sockeye salmon. The preseason forecasts result in a total projected return of 2.1 million Nass and Skeena sockeye salmon which, minus an escapement goal of 1.1 million, would result in an AAH of about 1 million. Using this forecast, the 2011 pre-Week 31 AAH was approximately 25,000 Nass and Skeena sockeye salmon.

In Alaska's District 101 gillnet fishery, the AAH is based solely on the run size of 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 in-river escapement, whichever is less. 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 salmon run. The return of Nass sockeye salmon was forecast at 523,000 in 2011 which, minus an escapement goal of 200,000, would result in an AAH of about 323,000. Using this forecast the 2011 allowable harvest in the District 101 gillnet fishery was about 44,000 Nass River sockeye salmon

The District 101 drift gillnet fishery opens by regulation on the third Sunday in June which was June 19 (week 26) in 2011. 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 (PSMP) 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.

For the year 2011, Canada was to manage the 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 percent of the AAH of Alaskan Districts 101, 102 and 103 pink salmon. With a Total Return of approximately 20.72 million pink salmon, the Alaskan Districts 101, 102 and 103 AAH was 9.97 million pink salmon. The resulting Area 3-1 to 3-4 Canadian commercial net total allowable catch of this AAH was approximately 248,340 pink salmon of Alaskan Districts 101, 102 and 103 origin.

In the Canadian northern boundary area, pink salmon returns were anticipated to be above average for both Area 3 and Area 4, based on brood year return strength. Returns to Area 3 and 4 streams were well below expectations in 2011. The 2011 Canadian pink salmon catch in Sub-areas 3-1 to 3-4 was 160,757 and a preliminary estimate of the Alaska stock component of this catch is estimated to be 145,919, or 1.46 % of the AAH, well below the allotted 2.49 % of the AAH of 248,340 pieces.

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 Return of approximately 20.72 million pinks, the Alaskan Districts 101, 102 and 103 AAH was 9.97 million pinks. The resulting Area 1 Canadian commercial troll total allowable catch of this AAH was approximately 256,319 pinks of Alaskan Districts 101, 102 and 103 origin.

The Canadian commercial troll fishery targeting pink salmon was open in the northern portion of Area 1 (Dixon Entrance AB Line) from July 1 to September 30. Pink retention was also permitted during the Chinook directed fishery in parts of Area 1 which opened June 9th and closed for Chinook retention June 21st. Pink salmon directed effort was very minimal and the fishery harvested a total of 52,221 pink salmon, with an estimated 49,525 being of Alaskan origin. This equates to 0.50 % of the Alaskan District 101, 102 and 103 pink AAH, well below the annex agreement for 2.57 percent of the Alaskan Districts 101, 102 and 103 pink salmon AAH.

2012 Forecasts

The Southeast Alaska pink salmon harvest in 2012 is predicted to be weak, with a point estimate of 17 million fish (80% confidence interval 10-29 million fish). The forecast of 17 million pink salmon is well below the recent 10-year average harvest of 40 million fish. The NOAA Auke Bay Lab's 2011 peak June–July juvenile pink salmon CPUE statistic from upper Chatham and Icy straits in northern Southeast Alaska ranked in the bottom third of the 14 previous years that NOAA has collected that information, which may indicate poor freshwater and early marine survival for pink salmon set to return in 2012. Pink salmon harvests associated with the bottom third of indices in the NOAA data set ranged between 12 and 20 million fish. The 2010 pink salmon harvest of 13.7 million in southern Southeast Alaska was only 57% of the recent 10-year average, but the escapement index value of 5.9 million fell within the escapement goal range of 3.0 to 8.0 million index fish. Escapement indices were within or exceeded management targets for all Districts and for all 18 pink salmon stock groups within this sub-region. Formal forecasts are not made for species other than pink salmon in Southeast Alaska.

The 2012 Nass sockeye total return is estimated to be 446,000 (with a 25% probability of the return exceeding 553,000 and a 75% probability the return will exceed 363,000) providing only modest marine net and Nisga'a in-river commercial opportunities. For the Skeena, the sibling model forecast predicts a 50% probability of approximately 1.4 million sockeye returning to the Skeena in 2012, with a 25% probability of the return exceeding 2.0 million and a 75% probability the return will exceed 1.0 million. The Nass and Skeena area pink return predictions are poor and very poor based on brood year escapements. As a result, directed Skeena sockeye or pink salmon harvest opportunities are unlikely in 2012.

INTRODUCTION

This report reviews the 2011 Boundary Area pink, chum, coho, and sockeye salmon gillnet and purse seine fisheries of southern Southeast (SSE) Alaska and Northern British Columbia and outlines preliminary expectations and fishing plans for 2012. 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 2011. Sub-area catch data is also presented for all salmon species for Canadian Area 3. Maps showing the statistical fishing districts or areas for southern Southeast Alaska and Northern British Columbia are provided in Figures 1 to 7.

SOUTHERN SOUTHEAST ALASKA

2011 Salmon Forecast

The 2011 pink salmon harvest in Southeast Alaska was expected to be excellent, with a point estimate of 55 million fish, with a forecast range of 43-67 million fish. Formal forecasts were not made for sub-regions or for species other than pink salmon in Southeast Alaska.

Review of the 2011 Fishing Season

Commercial fisheries harvested 17.4 million salmon in southern Southeast Alaska in 2011. This total includes Traditional, Hatchery Terminal Harvest Area, and Annette Island Reserve fisheries; purse seine, drift gillnet, and troll gear; in Districts 101 through 108, 150, and 152. The salmon harvest was comprised of 11.1 million (64%) pink, 4.9 million (28%) chum, 0.65 million coho (4%), 608,487 (3%) sockeye, and 126,376 (1%) Chinook. The 2011 catches are compared to the 1985-2010 average.

Districts 101 to 107 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 fisheries directed on fall chum salmon. There was a purse seine Chinook salmon non-retention period in 2011 until Week 32.

District 101 Purse Seine Fishery

The Alaska District 101 purse seine fishery opened July 3, 2011 for the first of 10 fishing periods (Table 1). In the initial week (statistical week 28), 30 boats fished a 15-hour opening. In week 28, catches were below average for pink salmon, average for sockeye salmon, and above average for chum and coho salmon. After week 28, all catches were well below average for the entire season.

A total of 56 purse seine vessels fished in District 101 in 2011, 37% of the average of 151. The fishery was open for a total of 174 hours which was 37% of the average of 465.

The 2011 District 101 purse seine seasonal pink salmon catch of 535,000 was 9% of the average catch of 5.9 million.

The District 101 purse seine sockeye salmon catch of 20,600 was 20% of the average catch of 103,900.

The District 101 purse seine chum salmon catch of 103,000 was 32% of the average catch of 320,500.

The District 101 purse seine coho salmon catch of 6,400 was 16% of the average catch of 39,300.

The Chinook catch of 424 was 75% of the average catch of 563. There was a purse seine Chinook

salmon non-retention period in 2011 until Week 32.

District 102 Purse Seine

Limited portions of District 102 near Kendrick Bay were opened in Weeks 26 and 27 to access returns of SSRAA enhanced summer chum salmon returning to Kendrick Bay. The fishery was open for 87 hours in week 26 and 27. Nine seine vessels fished the first opening and 32 fished the second with catches for both weeks totaling about 70,800 chum salmon (Table 2).

The traditional seine fishery in District 102 targeting local stocks of pink salmon opened Sunday July 3 (Week 28). During the traditional fishing period there were 23 openings ranging from 15 to 39 hours in duration. The number of boats fishing the district varied significantly from week to week. A total of 91 purse seine vessels fished District 102 at some time during the season, 60% of the average of 153 vessels. The district was open to fishing a total of 762 hours, 97% of the average of 787 hours.

Catches of pink salmon were below the treaty average most of the season. The purse seine catch of 740,000 pink salmon was 18% of the average catch of 4.1 million. The sockeye salmon catch of 39,000 was 93% of the average catch while the coho salmon catch of 33,500 was 70% of the average catch. Catches of chum salmon were well above average week 27-32, and 36.

District 103 Purse Seine

The 2011 District 103 purse seine fishery initially opened July 18 (Week 30; Table 3). There was no fishing effort for the first three openings. The fishery closed on September 6, there was no directed fall chum salmon fishery in 2011. A total of 111 purse seine vessels fished in District 103, 88% of the average of 126 vessels. The district was open for an average number of hours.

The District 103 purse seine pink salmon catch of 4.1 million was 104% of the average catch of 4 million. In early weeks of fishing sockeye and coho salmon catches were above average and pink and chum salmon catches were below average. From week 34-37, pink and coho salmon catches were average to above average and sockeye and chum salmon were mostly below average. The 2011 sockeye salmon catch of 19,000 was 85% of average catch. Coho salmon catch of 33,000 was 110% of the average catch. Chum salmon catch of 78,500 was 67% of the treaty average.

District 104 Purse Seine Fishery

The 2011 pre-Week 31 fishing plan was based on the DFO preseason forecast total returns of about 523,000 Nass River sockeye salmon and 1.6 million Skeena River sockeye salmon. The preseason forecasts resulted in a total projected return of about 2.1 million which, minus an escapement goal of 1.1 million, would result in a combined AAH of about 1 million. Using this forecast, the 2010 pre-Week 31 allowable catch (2.45% of the AAH) was about 25,000 Nass and Skeena sockeye salmon. The actual AAH will be calculated post-season after stock specific catch and escapement estimates are calculated.

In the 2011 treaty period (Alaska statistical weeks 28-30), 25,280 sockeye salmon were harvested

in the following: two 12-hour openings in Week 28; two 15-hour openings in Week 29; and two 15-hour openings in Week 30 (Table 4). A total of 29 purse seine vessels fished in the district during the treaty period. In past years 60% to 80% of treaty-period sockeye salmon have been of Nass and Skeena origin. Thus, we would anticipate that between 15,200 and 20,200 Nass and Skeena sockeye salmon may have been harvested in the District 104 purse seine fishery during the treaty period. The final number of Nass and Skeena sockeye salmon harvested, and the actual catch by stock, will not be available until catch, escapement, and stock composition estimates are finalized for the year.

There were a total of 17 open fishing periods in the 2011 District 104 purse seine fishery. In the post treaty period, beginning July 26 all openings (except Week 33) were 39 hours. The number of purse seine vessels fishing in the district was 72, 62% of the average vessels of 116.

The catch of 2.38 million pink salmon in the 2011 District 104 purse seine fishery was 35% of the average catch. The total season sockeye salmon catch of 202,504 was 50% of the average catch of 402,000. The catch of 28,300 coho salmon was 33% of the average catch of 85,000. The catch of 137,000 chum salmon was 48% of the average catch of 286,000. The catch of 4,289 Chinook salmon was 76% of the average catch of 5,622. There was a purse seine Chinook salmon non-retention period in 2011 until Week 32.

Districts 105, 106, and 107 Purse Seine Fisheries

For the 2011 season, the combined Districts 105, 106, and 107 purse seine fisheries harvested 1.81 million pink, 19,900 chum, 4,427 coho, 2,834 sockeye, and 108 Chinook salmon.

District 101 Tree Point Drift Gillnet Fishery

The 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 salmon run. For the 2011 season, DFO forecast a total return of 523,000 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 salmon harvested in the District 101 drift gillnet fishery will not be available until catch, escapement, and stock composition estimates are finalized for the 2011 season.

The District 101 drift gillnet fishery opened Sunday June 19 (Week 26) in 2011. The number of hours fished was below average. The number of boats fishing annually was about half (59 %) the average of 116 boats.

A total of 88,618 sockeye salmon was harvested in 2011 (Table 5). The sockeye salmon harvest was 67% the average of 131,883. The cumulative sockeye salmon harvest prior to the initiation of the PSMP in Week 30 was 49,500 fish, or about 56% of the season's total sockeye salmon harvest. The final number of Nass River sockeye salmon harvested in the District 101 drift gillnet fishery will not be available until catch, escapement, and stock composition estimates are finalized for the 2011 season.

The pink salmon catch of 335,800 was 64% of the average of 526,000. Pink salmon catches were above the average Week 36-38. The chum salmon catch of 339,900 was 111% of the average of 305,000. Chum salmon catches were above average Week 28-32, but then fell to below average for the remainder of the season. Coho salmon catches were below average most of the season; the catch of 46,500 was 62% of the average. The Chinook salmon catch of 1,662 was 113% of the average of 1,474.

Beginning in Week 36 (August 28) management was based on the strength of wild stock fall chum and coho salmon. Approximately 16,300 coho and 41,500 chum salmon were caught in the fall fishery. Catches of fall coho and coho salmon catches were below average.

District 106 Drift Gillnet Fishery

The 2011 harvest in the District 106 commercial gillnet fishery included 2,103 Chinook, 146,089 sockeye, 117,854 coho, 337,170 pink, and 158,096 chum salmon (Table 6). District 106 catches of coho and chum salmon were below average, catches of sockeye and Chinook salmon were above average, and catches of pink salmon were average.

Annette Island Reserve Fisheries

In 2011, the Annette Island purse seine fishery harvested approximately 498,932 pink, 142,056 chum, 12,031 sockeye, 4,989 coho, and 420 Chinook salmon. The Annette Island gillnet fishery harvested approximately 241,564 pink, 288,200 chum, 17,298 sockeye, 48,007 coho, and 1,277 Chinook salmon (Tables 7-8).

Pink, Sockeye, and Chum Salmon Escapements

The total 2011 Southeast Alaska pink salmon escapement index of 14.3 million index fish ranked 12th since 1960 and was 94% of the recent 10-year average of 15.2 million (Table 9). Biological escapement goals are in place for three subregions in Southeast Alaska and escapement goals were reached for all three subregions in 2011. On a finer scale, escapements met management targets for 14 of 15 districts in the region and for 44 of the 46 pink salmon stock groups in Southeast Alaska. The Southern Southeast subregion includes all of the area from Sumner Strait south to Dixon Entrance (Districts 1–8). The pink salmon harvest of 11.2 million in the Southern

Southeast subregion was only 46% of the recent 10-year average, but the escapement index value of 5.5 million was well within the escapement goal range of 3.0 to 8.0 million index fish.

2011 Southeast Alaska pink salmon escapement indices and biological escapement goals by sub-region (in millions). The total is slightly larger than the sum of all three sub-regions due to rounding of numbers.

Sub-region	2011 Pink Salmon Index	Biological Escapement Goal[1] Lower Bound	Salmon Index
Southern Southeast	5.5	3.0	5.5
Northern Southeast Inside	6.0	2.5	6.0
Northern Southeast Outside	2.7	0.75	2.7
Total	14.3		

Sockeye salmon runs throughout Southeast Alaska were generally strong in 2011. Escapement targets were met for 12 of the 13 sockeye salmon systems in Southeast Alaska with formal escapement goals. The Hugh Smith Lake adult sockeye salmon escapement was 22,000, which was above the optimal escapement goal range of 8,000 to 18,000 adult sockeye salmon. Based on the expanded peak foot survey count, the escapement of sockeye salmon into McDonald Lake was estimated to be 113,000 fish in 2011, which was within the sustainable escapement goal range for the second consecutive year.

Escapement survey information for chum salmon index streams indicated that escapements of summer-run chum salmon through much of Southeast Alaska were improved over recent years in 2011. In southern Southeast Alaska, runs are broken into summer and fall runs. The Southern Southeast chum salmon stock group is composed of an aggregate of 13 summer-run chum salmon streams on the inner islands and mainland of southern Southeast Alaska, from Sumner Strait south to Dixon entrance, with a sustainable escapement goal of 68,000 index spawners (based on the aggregate peak survey to all 13 streams). The index of 157,000 in 2011 was well above the escapement goal and was the third highest escapement index since 1980.

Fall chum salmon runs on Prince of Wales Island were strong overall and the escapement goal was easily met in Cholmondeley Sound—the one area with a formal escapement goal for fall chum salmon in southern Southeast Alaska. Fall chum salmon runs are monitored in Cholmondeley Sound through aerial surveys at Disappearance and Lagoon creeks. The escapement index of 93,000 was well above the sustainable escapement goal range of 30,000 to 48,000 index spawners (based on the aggregate peak survey to both streams).

Management Performance Relative to Treaty Requirements

District 104 Purse Seine Fishery

The 2009 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 AAH of Nass and Skeena sockeye

salmon 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 salmon 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 salmon 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 preliminary total return of Nass and Skeena river sockeye in 2011 is currently estimated at 2,490,000. This return would have allowed a treaty-period catch in the District 104 purse seine fishery of approximately 34,000 Nass and Skeena river sockeye salmon. The 2011 total catch of sockeye salmon from both nations during the District 104 treaty period was 25,280. Annual AAH fishery performance in the District 104 fishery is presented in Table 10 with bilaterally accepted numbers through 2008 and preliminary estimates based on average harvest rates through 2011. The final number of Nass and Skeena sockeye salmon harvested in the 2011 District 104 treaty-period will not be available until catch, escapement, stock composition and run reconstruction estimates are finalized for the year.

District 101 Tree Point Drift Gillnet Fishery

The 2008 revision of the Pacific Salmon Treaty Agreement calls for abundance based management of the District 101 drift gillnet fishery. The agreement allows the District 101 gillnet fishery to harvest 13.8 percent of the AAH) of Nass River sockeye salmon 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 salmon 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 preliminary total return of Nass River sockeye salmon in 2011 is currently estimated at 570,000 sockeye salmon. This return would have allowed a catch in the District 101 gillnet fishery of 51,000 Nass River sockeye salmon. The 2011 total catch of sockeye salmon from both nations in the District 101 gillnet fishery was 88,618. Annual AAH fishery performance in the District 101 gillnet fishery is presented in Table 11 with bilaterally accepted numbers through 2008 and preliminary estimates based on average harvest rates thought 2011. The final number of Nass sockeye salmon harvested in the 2011 District 101 gillnet fishery will not be available until catch,

escapement, and stock composition estimates are finalized for the year.

NORTHERN BRITISH COLUMBIA

2011 Salmon Forecast

Area 1 Expectations

Sockeye There are no significant local sockeye stocks in Area 1 and no fisheries on passing stocks.

Pink Poor with no surplus.

Chum Fishing opportunities will be dependent on surpluses identified in-season.

Fishing Plan To identify and harvest surpluses found in-season.

Area 3 Expectations

Sockeye A below average Nass sockeye total return to Canada of 434,000 is expected to provide a harvestable surplus of 250 thousand.

Pink A Nass pink return of 2.9 million in addition to an above average Area 4 return (7.6 million) is expected to yield a large harvestable surplus

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

Fishing Plan To manage the Area 3 fisheries to Area 3 sockeye and pink abundances, in-season Skeena sockeye stock strength, and coho and chum conservation concerns.

Area 4 Expectations

Sockeye The sibling model forecast predicts a 50% probability of approximately 1.7 million sockeye returning to the Skeena in 2011, with a 25% probability of the return exceeding 2.4 million and a 75% probability the return will exceed 1.1 million.

Pink The Skeena pink forecast for 2011 is 7.6 million

Chum Skeena chum escapements are depressed and there will be no chum retention in Area 4.

Fishing Plan To manage the Area 4 fisheries in response to wild Skeena sockeye, coho and chum conservation concerns.

Area 5 Expectations

Sockeye Modest sockeye interception is anticipated in 2011.

Pink Local Area 5 and passing Skeena pink returns in 2011 are expected to produce a modest harvestable surplus

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

Fishing Plan To manage the Area 5 fisheries in response to local in-season pink and sockeye abundance, Skeena wild sockeye conservation concerns, and below average returns of Skeena pink salmon.

Review of 2011 Fishing Season - Net and Troll Fisheries

Area 1

In Canadian Area 1 there no longer are commercial net interception fisheries on passing salmon stocks in Area 1, (Figure 4). No pink or chum surpluses were identified in-season therefore there were no terminal gillnet or seine fisheries in Area 1 (Tables 12 and 13).

The Area 1 troll fishery was managed considering domestic Chinook, coho and chum stocks of concern, and the PST Chinook ceiling. The Individual Transferable Quota (ITQ) system governed the harvest of all Chinook. Directed fisheries were conducted for all species except chum and area and time restrictions were associated with each opening.

The preliminary catch estimate for the Area 1 portion (includes Area 101) of the 2011 troll fishery is 220,279 coho, 52,221 pink and 62,292 Chinook (Table 14).

See Table 33 for Area 1 escapements.

Area 3

Management units (sub-areas) of Statistical Area 3 are outlined in Figure 4. In recent years, the Area 3 sockeye gillnet fishery has started mid-June to assess stock strength of passing Nass-bound sockeye, with the first exploratory fishery of 2011 taking place on 19 June. Since 1994, in-season escapement estimates have been provided by the Nisga'a fishwheel operations conducted in the lower Nass River approximately five miles upstream from the old Nass test

fishery site. In 2011, fishwheel operations commenced June 6th and closed for the season September 17th. Extreme high water shut down the fishwheels from September 6th to 13th. In addition to the fishwheel estimates, catches in Canadian First Nation's food and commercial fisheries, and Canadian and Alaskan commercial fisheries are utilised in estimating Nass sockeye run size in-season. The 2011 Nass River fishwheel operation, along with the Nisga'a Fisheries Program, continue to be an example of quality stock assessment and effective fisheries co-management.

In general, the Area 3 net fishery is managed for Nass sockeye salmon until mid-July after which the outer Area 3 fishery is managed based on Nass and Skeena pink and Skeena sockeye stock abundance. The inside Area 3 (Sub-areas 3-7 to 17) net fishery is managed for Nass sockeye and pink abundance from mid-July to late August or early September. In 2011, all Area 3 net fisheries operated with a non-retention/non-possession restriction for chum and steelhead. In addition, all seine fisheries were also conducted with a non-retention/non-possession restriction for Chinook. Due to conservation concerns for Kwinageese Sockeye, gillnets were closed from July 8th to July 28th and the seine fishery was restricted to possession of pink only during the July 18th opening.

The 2011 Area 3 gillnet fishery began 19 June (Week 26) with one 16-hour opening in portions of 3-3, 3-7 and 3-12 to assess Nass River sockeye run strength. A less than average gillnet fleet size of 125 vessels (81 boat days effort) participated with 6,591 sockeye, and 182 Chinook being harvested (Tables 15 to 17). The sockeye catch and resulting CPUE was below normal for this time of year, corresponding with a below average early Nass River sockeye escapement estimate as determined by the Nisga'a fishwheels. During this opening harvesters were requested to release all live Chinook.

During Week 27, two 16-hour gillnet openings were permitted to assess the incoming sockeye run. A portion of sub-area 3-3 was no longer open to reduce interception of Skeena sockeye based on a relatively low pre-season Skeena forecast (Table 15). The delivered sockeye catch for the week increased to 8,553 with fishing effort increasing to 345 boat-days (Tables 16 to 17). Sockeye escapement past the Nass River fishwheels, along with the weaker than average catch figures, gave indications that the sockeye return to the Nass, at that time, was below average which was consistent with the pre-season forecast.

In Week 28, there were three 16-hour gillnet openings that resulted in 31,682 sockeye, 9,104 pink and 387 Chinook caught (Tables 15 to 16). The number of openings in week 28 was higher than would usually be considered given the in-season forecast of just over 400,000 Nass sockeye returning to Canada however the purpose was to achieve the Canadian TAC while reducing impacts on mid-timed Kwinageese sockeye.

From Week 29 to 31 gillnets were closed in Area 3 to reduce fishing impacts on the mid-timed Kwinageese sockeye stock. In-season, Nisga'a Fisheries biologists identified a barrier in the Kwinageese River that was preventing nearly all sockeye and Chinook from migrating upstream. Concrete blocks were placed downstream of the barrier on August 12th to raise the water level below the falls to allow fish passage. Nearly all of the 740 Chinook and 10,114 sockeye that

were counted through the weir located upstream passed the falls after the concrete blocks were in place.

The first seine opening in Area 3 occurred during Week 29 on July 11th for 16 hours with portions of sub-areas 3-3 and 3-7 open. Sub-area 3-12 was closed to reduce impacts on Kwinageese sockeye. A total of 12 boats participated (8 boat days) with a catch of 874 sockeye and 14,362 pinks (Tables 18 to 20).

During Week 30 there was one seine opening in Area 3 for 16 hours with only portions of sub-areas 3-3 and 3-7 open. Only pink retention was permitted for this opening to protect Kwinageese sockeye whose average timing peaks through Area 3 at this time. Effort was low with only 9 boats (6 boat days) participating due to the non-retention of sockeye and concurrent opportunities elsewhere. A total of 28,703 pinks were caught during the one opening (Tables 18-20).

Two 16-hour seine openings occurred in Week 31 with sub-areas 3-2, 3-3, 3-4, 3-7, 3-9, 3-17 and a portion of 3-12 open for pink and sockeye retention. A total of 129 boat days of effort resulted in a catch of 46,066 sockeye and 167,178 pinks for the week (Tables 18-20). Catches of pinks were lower than expected based on pre-season expectations but sockeye catches were higher than expected, likely due to slightly later timed Skeena sockeye migrating through the outer portions of Area 3.

During Week 32 there were 2 seine openings and 2 gillnet openings with coho retention permitted for the first time in 2011. Seine boundaries were the same as Week 31 but gillnet areas were expanded to include 3-2, 3-3, 3-4, 3-9, 3-17 and portions of 3-7 and 3-12. Gillnets caught 11,603 sockeye, 798 coho and 10,473 pinks with an effort of 166 boat days (Tables 15 to 17) while seines caught 13,482 sockeye, 2,976 coho and 79,664 pinks with an effort of 61 boat days (Tables 18-20). Poor pink catches and low escapements resulted in seines being closed in Area 3 for the rest of the season.

In Week 33 there was one 15-hour gillnet opening with 48 boat days of effort and a catch of 10,981 sockeye, 478 coho, 7,962 pink and 9 Chinook (Tables 15 to 17).

The last gillnet opening of the season in Area 3 was in Week 34. An in-season increase to the estimated Nass sockeye total return to Canada from 408,000 to 421,000 indicated there was still TAC available for harvest. The 15-hour opening on August 15th was reduced to sub-area 3-9 and portions 3-7 and 3-12. A concurrent gillnet opening in Area 4 reduced effort considerably to only 6 boat days and a catch of 455 sockeye, 88 coho and 1,433 pink (Tables 15 to 17).

Total gillnet fishing effort was 1,494 boat days, well below the 1990-1999 average effort of 2,836 boat days and the 2000-2009 decadal average effort of 2,189 boat days. The total Area 3 seine effort of 204 boat days is also well below the 1990-1999 average of 1,203 boat days and the 2000-2009 average of 383 boat days. For gillnets there was a total of 10 days fishing, while seines fished for 6 days, well below the 1990-1999 averages of 28 and 14 days fishing, respectively, and the 2000-2009 averages of 18 and 17 days, respectively. The gillnet and seine sockeye delivered catches of 70,075 and 60,422 were near the pre-season expected harvest

levels. The catch of pink salmon by gillnets (28,978) and seines (289,907) were much lower than anticipated.

The end of season preliminary TRTC estimates were substantially lower than the pre-season estimates for pink (200,820 vs. 2,160,000). Chinook (17,113 vs. 36,000), chum (8,735 vs. 24,000), and coho (112,409 vs. 175,000) were all lower than the pre-season forecast but sockeye was somewhat higher (460,941 vs. 420,000).

The preliminary sockeye escapement estimate to the Nass was 276,711 and was somewhat higher than the escapement target of 200,000. The Meziadin River escapement of 167,524 was slightly above the 2000-09 decadal average (163,686) and close to its desired escapement target (160,000).

Early in-season indications of coho abundance in the Area 1 troll fleet and Area 3/4 recreational catch suggested the potential for a good return which led to opportunities for net retention in Area 3. Later escapement information suggested in-season a lower return of coho to Area 3 so therefore the troll fishery in Area 3 did not proceed in 2011 however Area 103 was included in the North Coast troll coho and pink directed fishery with sockeye by-catch retention permitted that opened July 15th. Very little effort was reported in Area 103 with only 18 boat days for the entire season and 10 sockeye, 2,348 coho and 157 pink caught (Table 21).

In Area 3, a First Nation in-river economic opportunity was identified with 3,000 sockeye being allocated to the Gitanyow First Nation through gillnet and seine licence transfers. These fish were harvested selectively on the Meziadin River.

Area 4

The preseason 2011 sockeye management plan was developed around an abundance-based management scheme in an attempt to reduce the exploitation of less productive Skeena sockeye while allowing variable harvest opportunities based on aggregate sockeye abundance. As has been the case in recent years, 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. In addition, management measures were in place to address concerns for Skeena coho, wild sockeye and chum stocks.

The pre-season forecast for Skeena sockeye was below average and a small harvestable surplus was anticipated. The pre-season forecast was 1.7 M (between 1.1 M and 2.3 M) and to conduct commercial fisheries the escapement should achieve 900,000 for spawning purposes and 150,000 for food, social, and ceremonial purposes. In addition to the relatively low sockeye forecast, the anticipated Skeena pink salmon return was expected to be very high with significant harvesting opportunities. In-season abundance indicators included the Tyee test fishery, various in-river fish counting facilities, harvest rate and CPUE models, native food fish catches and commercial catches in Area 4 and other fishing areas in Northern BC and Southern Southeast Alaska. The Tyee test fishery operated from May 25th to September 24th. The earlier than normal start to the test fishery was to assess the early-timed Chinook return. Only two sets were missed during the entire season due to large amounts of debris in the water during the spring freshet.

Area 4 gillnet and seine fisheries were to operate with a non-retention/non-possession restriction for chum, and steelhead while Chinook retention remains restricted for the seine fleet. Further management actions include mandatory operational revival boxes, daylight-only fisheries and time and area fishing restrictions.

The Area 4 Chinook-directed gillnet fishery took place with 1 opening of 30 hours commencing on June 20th which resulted in 85 boat days of effort and a catch of 1,193 pieces. A second Chinook opening was not permitted because of the relatively low catch rate in the first opening and the relatively low Tyee test fishery index.

Early in-season Skeena sockeye forecasts (1.7 M) led to an Area 4 gillnet fishery on July 13th (Week 29) in which an effort of 157 boat-days harvested 27,662 sockeye, 1,756 pink, and 182 Chinook (Table 22). A 6 day seine opening that spanned Week 29 to Week 30 was permitted as an Individual transferable quota (ITQ) fishery with an allocation of 300 sockeye per licence. The combined Week 29 to 30 seine catch was 25,931 sockeye and 4, 533 pink salmon (Table 23). Effort estimates for the ITQ fishery are not comparable with the historic open derby fishery however 106 boat days of effort were expended during the first 6-day seine opening.

During Week 30 another gillnet opening was permitted that resulted in an effort of 168 boat days and a catch of 47,888 sockeye, 8,731 pink and 144 Chinook; however the in-season forecasts declined to a season low of 1.3 M so a second seine opening was not permitted for gear allocation and potential future pink fishing reasons. For week 31, an increase in sockeye escapement led to a one day 16-hour gillnet sockeye fishery on July 27th in which an effort of 155 boat-days harvested 48,095 sockeye, 23,808 pink, and 42 Chinook (Table 22).

Post-season accounting indicates that the Skeena sockeye return was 5 days later than average. As a result, in-season forecasts continued to increase in the latter half of the season. Two gillnet openings were permitted in Week 32 which resulted in 498 boat days of effort and a catch of 69,128 sockeye, 491 coho, 30,136 pink and 76 Chinook (Table 22). Coho retention in Week 32 was permitted for both gillnets and seines as early Area 1 troll and Area 3/4 catch rates seemed to indicate a good return. Seines fished for 6 days spanning Week 32 and Week 33 as a part of the ITQ fishery with an allocation of 400 sockeye per licence. In Week 32, seines caught 6,929 sockeye, 371 coho and 18,758 pink (Table 23).

In-season forecasts based on the Tyee test fishery and commercial marine catches continued to increase resulting in two 16-hour gillnet openings in Week 33. Gillnets caught 50,360 sockeye and 1,203 coho, 26,195 pink and 29 Chinook with 398 boat days of effort (Table 22). Seines had 4 days of fishing as a part of their 400 sockeye allocation from Week 32 and also had an additional two day opening targeting pink salmon that spanned Week 33 to Week 34 with an allocation of 150 sockeye per licence. In Week 33 seines caught 24,973 sockeye, 2,663 coho, and 58,786 pink (Table 23).

In Week 34 gillnets and seines each had one day open in Area 4. The majority of the Skeena sockeye run was over and these were the last openings of the season. Gillnets caught 5,917 sockeye, 817 coho and 5,116 pink (Table 22) and the seines caught 3,010 sockeye, 876 coho and

15,893 pink (Table 23). Pink catch and escapement was poor and no further pink targeted fisheries were permitted in Area 4 by seines.

The Skeena First Nations inland demonstration sockeye fishery was scheduled to continue in 2011 to provide economic benefit to up-river First Nations through the harvest and sale of Skeena sockeye. To protect non-target species, this fishery uses selective fishing techniques and harvests sockeye only. Harvesting locations include the Skeena mainstem as well as the Babine River. Sockeye allocations are acquired through the transfer of commercial gillnet and seine licences from the marine fishery and weekly allocations are based on average catch per licence from Area 4 gillnet and seine marine commercial fisheries occurring in previous weeks. A total of 17,209 sockeye were harvested in the Skeena inland demonstration fishery in 2011.

The preliminary run reconstructed total Skeena sockeye return was estimated to be 1.9 million which is slightly higher than the pre-season sibling forecast of 1.7 million. The Skeena sockeye reconstructed net escapement estimate of 1,062,293 was very close to the 2000 to 2009 average of 1,010,328. Estimated escapements of wild Skeena sockeye were mostly higher than recent averages except Morice/Nanika, Swan/Stephens, and Kitwanga which was coming off a very poor brood year. The aggregate Area 4 pink escapement estimate of 252,219 (Table 30) was only a tenth of the brood year (2,515,312) and much lower than anticipated (Table 35). The Area 4 chum escapement estimate was higher than recent years but the result is mostly the function of including the Ecstall River which had not been inspected for several years.

Portions of Area 104 were open to troll for sockeye, coho and pink retention from July 15th to September 30th. The total hailed catch for the 2011 season from Area 104 was 92 sockeye, 49,604 coho, and 2,506 pink.

Area 5

Management of the Area 5 fishery during July is based on Skeena sockeye abundance. From late July to early August, the fishery targets Skeena pink stocks which use Area 5 as a migration route. In mid to late August, fisheries are managed for harvest of local pink stocks.

Pre-season expectations were for limited gillnet and seine opportunities for Skeena sockeye but good returns were expected for pink. All gillnet fishing openings in Area 5 were in conjunction with Area 4 sockeye directed openings (excluding the June Chinook directed fishery). This resulted in one opening per week from Week 29 to 31, two openings in Week 32 and 33 and one opening in Week 34 for a total of 8 one-day openings (Table 25). Very little gillnet effort occurred in Area 5 with only 7 boat days estimated for the entire season which is well below average (Table 32). Catches were modest with only 1,610 sockeye and 1,181 pink estimated for Area 5 (Table 25). Seines were not open in Area 5 for the Skeena sockeye directed ITQ fishery (Table 26). Pink escapements were poor (Tables 30 and 36) and therefore no pink directed fishery was opened in Area 5 in 2011.

For troll portions of Area 105 were opened from July 15th to September 30th. A total of 16 boat days were reported in Area 105 with 1,147 coho and 20 pink harvested, (Table 27).

Management Performance Relative to Treaty Requirements

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

For the year 2011, 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 Return of approximately 20.72 million pinks, the Alaskan Districts 101, 102 and 103 AAH was 9.97 million pinks. The resulting Area 3-1 to 3-4 Canadian commercial net total allowable catch of this AAH was approximately 248,340 pinks of Alaskan Districts 101, 102 and 103 origin (Table 28).

In the Canadian northern boundary area, pink salmon returns were anticipated to be above average for both Area 3 and Area 4, based on brood year return strength. Returns to Area 3 and 4 streams were well below expectations in 2011. The 2011 Canadian pink salmon catch in Sub-areas 3-1 to 3-4 was 160,757 and a preliminary estimate of the Alaska stock component of this catch is estimated to be 145,919, or 1.46 % of the AAH, well below the allotted 2.49 % of the AAH of 248,340 pieces, (Table 28).

Area 1 Pink Troll Fishery (Preliminary)

For the year 2011, 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 Return of approximately 20.72 million pinks, the Alaskan Districts 101, 102 and 103 AAH was 9.97 million pinks. The resulting Area 1 Canadian commercial troll total allowable catch of this AAH was approximately 256,319 pinks of Alaskan Districts 101, 102 and 103 origin, (Table 29).

The Canadian commercial troll fishery targeting pink salmon was open in the northern portion of Area 1 (Dixon Entrance AB Line) from July 1 to September 30. Pink retention was also permitted during the Chinook directed fishery in parts of Area 1 which opened June 9th and closed for Chinook retention June 21st. Pink salmon directed effort was very minimal and the fishery harvested a total of 52,221 pink salmon, with an estimated 49,525 being of Alaskan origin. This equates to 0.50 % of the Alaskan District 101, 102 and 103 pink AAH, well below the annex agreement for 2.57 percent of the Alaskan Districts 101, 102 and 103 pink salmon AAH, (Table 29).

The pattern of total Area 1 weekly pink troll catch in 2011 is illustrated in Table 14.

2012 Salmon Forecast Northern British Columbia

Expectations and fishing plans for 2012 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 is provided in Table 33.

Area 1 Expectations

Sockeye There are no significant local sockeye stocks in Area 1 and no fisheries on passing stocks.

Pink Potential for good returns.

Chum Fishing opportunities will be dependent on surpluses identified in-season

Area 3 Expectations

Sockeye A below average Nass sockeye total return of 446,000 (with a 25% probability of the return exceeding 553,000 and a 75% probability the return will exceed 363,000) is expected to provide modest commercial fishing opportunities.

Pink A poor return based on a slightly below average even year brood year is expected.

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

Area 4 Expectations

Sockeye The sibling model forecast predicts a 50% probability of approximately 1.4 million sockeye returning to the Skeena in 2012 with a 25% probability of the return exceeding 2.0 million and a 75% probability the return will exceed 1.0 million.

Pink A very poor return is expected based on a below average even year brood year.

Chum Skeena chum escapements are depressed and there will be no chum retention in Area 4.

Area 5 Expectations

Sockeye Modest sockeye interception is anticipated in 2012.

Pink A very poor return is expected based on a below average even year brood year.

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

TABLES

Table 1. Weekly commercial catch and fishing effort by opening in the 2011 Alaska District 101 purse seine fishery (preliminary).

			Effort			Catch					
Week	Openings	Closures	Boats	Hours	Boat hours	Chinook	Sockeye	Coho	Pink	Chum	Total
28	July 3, 2011	July 3, 2011	30	15	450	0	2,358	623	19,431	14,492	36,904
28B	July 7, 2011	July 7, 2011	19	15	285	0	809	353	28,596	8,098	37,856
29	July 10, 2011	July 10, 2011	7	15	105	0	624	347	12,667	2,303	15,941
30	July 18, 2011	July 18, 2011	23	15	345	105	3,344	917	97,292	42,772	144,430
30B	July 22, 2011	July 22, 2011	21	15	315	99	2,874	953	80,885	17,257	102,068
31	July 26, 2011	July 27, 2011	15	39	585	114	3,572	1,029	103,040	5,725	113,480
32	July 31, 2011	July 31, 2011	17	15	255	68	3,797	824	77,117	6,028	87,834
32B	August 4, 2011	August 4, 2011	20	15	300	38	3,075	1,106	75,085	5,164	84,468
33*	August 12, 2011	August 12, 2011	12	15	180	0	129	223	40,966	871	42,189
34B	August 20, 2011	August 20, 2011		15	-			Confidential Information			
Season Total			56	174	2,820	424	20,582	6,375	535,079	102,710	665,170

*includes data from confidential openings

Table 2. Weekly commercial catch and fishing effort by opening in the 2011 Alaska District 102 purse seine fishery (preliminary).

			Effort			Catch					
Week	Openings	Closures	Boats	Hours	Boat hours	Chinook	Sockeye	Coho	Pink	Chum	Total
26	June 19, 2011	June 22, 2011	9	87	783	0	164	279	28	3,866	4,337
27	June 26, 2011	June 29, 2011	32	87	2,784	0	3,860	4,577	13,693	66,958	89,088
28	July 3, 2011	July 3, 2011	16	15	240	0	314	455	1,241	26,831	28,841
28B	July 4, 2011	July 6, 2011	20	63	1,260	0	1,005	1,296	8,356	50,730	61,387
28C	July 7, 2011	July 7, 2011	31	15	465	1	2,432	2,400	20,670	83,900	109,403
29	July 10, 2011	July 10, 2011	36	15	540	4	3,444	1,496	28,977	69,783	103,704
29C	July 14, 2011	July 15, 2011	38	39	1,482	152	8,091	4,882	69,424	129,940	212,489
30	July 19, 2011	July 19, 2011	41	15	615	252	5,257	2,820	76,486	80,415	165,230
30B	July 22, 2011	July 22, 2011	15	15	225	62	2,160	1,154	43,320	49,931	96,627
31	July 26, 2011	July 27, 2011	14	39	546	95	2,201	3,388	65,221	59,022	129,927
32	July 31, 2011	August 1, 2011	18	39	702	100	3,833	2,069	80,850	24,348	111,200
32B	August 4, 2011	August 5, 2011	20	39	780	46	3,174	2,010	106,467	14,213	125,910
33	August 12, 2011	August 12, 2011		15				Confidential Information			
34*	August 16, 2011	August 16, 2011	6	15	90	0	201	203	8,742	1,354	10,500
34B	August 20, 2011	August 20, 2011	0	15	0	0	0	0	0	0	0
35	August 24, 2011	August 24, 2011	11	15	165	3	708	730	43,362	11,061	55,864
36	August 28, 2011	August 28, 2011	6	15	90	0	538	544	33,164	8,198	42,444
36B	September 1, 2011	September 2, 2011	20	39	780	2	1,410	3,407	112,868	30,347	148,034
37	September 8, 2011	September 8, 2011	19	12	228	0	101	167	7,422	13,520	21,210
38	September 12, 2011	September 12, 2011	25	12	300	0	51	516	7,929	24,893	33,389
38B	September 15, 2011	September 15, 2011	11	12	132	0	24	719	7,342	6,642	14,727
39	September 21, 2011	September 22, 2011	12	36	432	0	7	116	1,413	27,000	28,536
40*	September 28, 2011	September 29, 2011	14	36	504	0	1	232	16	8,741	8,990
41	October 2, 2011	October 3, 2011		36				Confidential Information			
41B	October 7, 2011	October 8, 2011		36				Confidential Information			
Season Total			91	762	13,143	717	38,976	33,460	736,991	791,693	1,601,837

*includes data from confidential openings

Table 3. Weekly commercial catch and fishing effort by opening in the 2011 Alaska District 103 purse seine fishery (preliminary).

			Effort			Catch					
Week	Openings	Closures	Boats	Hours	Boat hours	Chinook	Sockeye	Coho	Pink	Chum	Total
30	July 18, 2011	July 18, 2011	0	15	0	0	0	0	0	0	0
30B	July 22, 2011	July 22, 2011	0	15	0	0	0	0	0	0	0
31	July 26, 2011	July 27, 2011	0	39	0	0	0	0	0	0	0
32	July 31, 2011	August 1, 2011	11	39	429	56	2,267	1,882	80,439	4,213	88,857
32B	August 4, 2011	August 5, 2011	25	39	975	129	4,652	3,226	204,711	4,697	217,415
33	August 8, 2011	August 8, 2011	22	15	330	30	3,310	2,369	259,881	3,490	269,080
33B	August 12, 2011	August 12, 2011	5	15	75	1	147	390	34,336	315	35,189
33C	August 12, 2011	August 13, 2011	44	39	1,716	65	3,171	4,472	499,941	6,739	514,388
34	August 16, 2011	August 16, 2011	3	15	45	0	38	175	35,756	545	36,514
34B	August 16, 2011	August 17, 2011	48	39	1,872	41	2,931	5,730	756,470	17,523	782,695
34C	August 20, 2011	August 20, 2011	8	15	120	0	52	336	84,651	646	85,685
34D	August 20, 2011	August 21, 2011	61	39	2,379	7	1,083	4,354	733,979	12,946	752,369
35	August 24, 2011	August 25, 2011	46	39	1,794	1	915	4,102	605,361	11,022	621,401
36	August 28, 2011	August 29, 2011	47	39	1,833	0	411	3,408	447,476	8,068	459,363
36B	September 1, 2011	September 2, 2011	29	39	1,131	0	148	2,368	286,649	6,362	295,527
37	September 5, 2011	September 6, 2011	13	39	507	0	14	632	78,506	1,979	81,131
Season Total			111	441	13,206	330	19,139	33,444	4,108,156	78,545	4,239,614

Table 4. Weekly commercial catch and fishing effort by opening in the 2011 Alaska District 104 purse seine fishery (preliminary).

			Effort			Catch					
Week	Openings	Closures	Boats	Hours	Boat hours	Chinook	Sockeye	Coho	Pink	Chum	Total
28	July 3, 2011	July 3, 2011	5	12	60	0	774	73	229	322	1,398
28B	July 7, 2011	July 7, 2011	4	12	48	0	1,356	308	1,439	4,899	8,002
29	July 10, 2011	July 10, 2011	5	15	75	0	4,099	1,616	13,212	7,752	26,679
29C	July 14, 2011	July 14, 2011	9	15	135	5	5,188	1,011	27,830	17,744	51,778
30	July 18, 2011	July 18, 2011	22	15	330	344	7,719	2,507	67,576	29,284	107,430
30B	July 22, 2011	July 22, 2011	5	15	75	234	6,144	1,132	44,501	7,746	59,757
31	July 26, 2011	July 27, 2011	16	39	624	527	37,917	2,451	154,636	14,880	210,411
32	July 31, 2011	August 1, 2011	44	39	1,716	822	54,387	5,302	417,142	21,676	499,329
32B	August 4, 2011	August 5, 2011	47	39	1,833	1,372	54,988	5,701	477,182	10,183	549,426
33	August 8, 2011	August 8, 2011	41	15	615	402	14,738	2,552	317,129	3,982	338,803
33B	August 12, 2011	August 13, 2011	23	39	897	359	8,353	2,243	304,280	4,922	320,157
34	August 16, 2011	August 17, 2011	10	39	390	116	2,212	828	111,268	2,518	116,942
34B	August 20, 2011	August 21, 2011	4	39	156	65	855	211	47,235	786	49,152
35	August 24, 2011	August 25, 2011	18	39	702	15	1,816	830	210,698	4,944	218,303
36	August 28, 2011	August 29, 2011	12	39	468	28	1,958	1,520	182,492	5,478	191,476
36B	September 1, 2011	September 2, 2011		39				Confidential Information			
37	September 5, 2011	September 6, 2011		39				Confidential Information			
Weeks 28-30			50	84	4,200	583	25,280	6,647	154,787	67,747	255,044
Weeks 31-36			215	405	87,075	3,706	177,224	21,638	2,222,062	69,369	2,493,999
Season Total			72	489	91,275	4,289	202,504	28,285	2,376,849	137,116	2,749,043

*includes data from confidential openings

Table 5. Weekly commercial catch and fishing effort by opening in the 2011 Alaska District 101 drift gillnet fishery (preliminary).

			Effort			Catch					
Week	Openings	Closures	Boats	Hours	Boat hours	Chinook	Sockeye	Coho	Pink	Chum	Total
26	June 19, 2011	June 23, 2011	58	96	5,567	671	8,853	90	33	8,544	18,191
27	June 26, 2011	June 30, 2011	60	96	5,759	456	21,319	232	2,625	14,988	39,620
28	July 3, 2011	July 7, 2011	56	96	5,375	160	10,013	1,131	24,852	53,055	89,211
29	July 10, 2011	July 14, 2011	61	96	5,855	175	9,290	1,341	52,712	66,677	130,195
30	July 17, 2011	July 19, 2011	62	48	2,975	44	4,767	1,099	36,306	43,891	86,107
30B	July 22, 2011	July 23, 2011	48	48	2,302	19	3,919	800	23,858	24,897	53,493
31	July 24, 2011	July 28, 2011	67	96	6,431	55	8,564	1,716	43,269	57,842	111,446
32	July 31, 2011	August 5, 2011	63	120	7,559	41	16,143	3,488	52,996	19,197	91,865
33	August 7, 2011	August 9, 2011	45	48	2,159	18	3,821	1,454	32,129	5,452	42,874
34	August 14, 2011	August 16, 2011	37	48	1,775	1	671	1,003	17,407	3,923	23,005
35	August 21, 2011	August 23, 2011	22	48	1,056	1	384	2,194	14,794	6,937	24,310
36	August 28, 2011	September 1, 2011	40	96	3,839	7	700	4,419	23,965	15,553	44,644
37	September 4, 2011	September 8, 2011	35	96	3,359	5	63	3,010	7,372	8,819	19,269
38	September 11, 2011	September 15, 2011	37	96	3,551	9	110	6,396	3,497	9,823	19,835
39	September 18, 2011	September 20, 2011	3	48	144	0	1	249	8	329	587
Season Total			88	1,176	57,708	1,662	88,618	28,622	335,823	339,927	794,652

Table 6. Weekly commercial catch and fishing effort by opening in the 2011 Alaska District 106 drift gillnet fishery (preliminary).

			Effort			Catch					
Week	Openings	Closures	Boats	Hours	Boat hours	Chinook	Sockeye	Coho	Pink	Chum	Total
25	June 13, 2011	June 15, 2011	75	48	3,599	294	2,050	3,551	53	673	6,621
26	June 20, 2011	June 23, 2011	63	72	4,535	445	12,689	6,795	1,262	2,247	23,438
27	June 26, 2011	June 30, 2011	60	96	5,759	669	32,120	18,690	10,370	6,569	68,418
28	July 3, 2011	July 7, 2011	70	96	6,719	200	18,465	15,347	13,975	19,853	67,840
29	July 10, 2011	July 12, 2011	63	48	3,023	89	13,836	7,923	13,878	24,095	59,821
30	July 17, 2011	July 19, 2011	56	48	2,687	55	11,844	5,253	21,488	17,097	55,737
31	July 24, 2011	July 26, 2011	58	48	2,783	37	13,290	4,774	34,170	19,553	71,824
32	July 31, 2011	August 3, 2011	76	72	5,470	71	18,455	6,364	48,062	12,828	85,780
33	August 7, 2011	August 10, 2011	71	72	5,111	146	17,749	6,640	71,611	6,575	102,721
34	August 14, 2011	August 16, 2011	58	48	2,783	12	2,061	2,954	31,349	2,235	38,611
35	August 21, 2011	August 23, 2011	54	48	2,591	3	1,355	3,696	27,082	5,298	37,434
36	August 28, 2011	August 30, 2011	80	48	3,838	11	1,474	7,868	32,897	7,402	49,652
37	September 4, 2011	September 7, 2011	73	72	5,255	27	472	9,353	15,886	13,990	39,728
38	September 11, 2011	September 14, 2011	101	72	7,270	35	218	14,991	14,747	17,802	47,793
39	September 18, 2011	September 20, 2011	25	48	1,200	3	10	2,011	278	1,025	3,327
40	September 25, 2011	September 27, 2011	19	48	912	6	1	1,644	62	854	2,567
Season Total			164	984	63,532	0 2,103	146,089	117,854	337,170	158,096	761,312

Table 7. Weekly commercial catch and fishing effort by opening in the 2011 Annette Island Reserve purse seine fishery (preliminary).

			Effort		Catch					
Week	Openings	Closures	Boats	Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
27	June 26, 2011	June 26, 2011	1	15	30	59	40	414	110	653
28	July 4, 2011	July 5, 2011	1	39	50	965	305	16,902	3,815	22,037
28B	July 8, 2011	July 8, 2011	1	15	48	487	101	16,525	2,453	19,614
29	July 10, 2011	July 11, 2011	1	39	85	741	363	20,698	20,602	42,489
29B	July 15, 2011	July 15, 2011	1	15	23	2,202	301	30,719	8,733	41,978
30	July 18, 2011	July 18, 2011	1	15	5	337	162	9,980	1,533	12,017
30B	July 21, 2011	July 21, 2011	1	15	61	1,309	718	56,339	33,138	91,565
31	July 24, 2011	July 24, 2011	1	15	48	1,834	298	38,162	4,688	45,030
31B	July 26, 2011	July 27, 2011	1	39	31	1,051	186	24,979	1,421	27,668
31C	July 29, 2011	July 29, 2011	1	15	21	983	283	33,802	15,157	50,246
32	August 1, 2011	August 2, 2011	1	39	11	822	174	17,085	950	19,042
32B	August 6, 2011	August 7, 2011	1	39	5	293	282	23,950	7,305	31,835
34	August 14, 2011	August 14, 2011	1	15	0	435	438	54,473	14,663	70,009
35	August 18, 2011	August 18, 2011	1	15	2	111	362	64,706	2,330	67,511
35B	August 21, 2011	August 22, 2011	1	39	0	322	672	81,276	14,765	97,035
36	September 3, 2011	September 3, 2011	1	15	0	0	38	7,617	7,959	15,614
38	September 11, 2011	September 11, 2011	1	15	0	80	50	1,305	124	1,559
38B	September 15, 2011	September 15, 2011	1	14	0	0	216	0	2,310	2,526
39	September 19, 2011	September 19, 2011	0	15	0	0	0	0	0	0
39B	September 22, 2011	September 22, 2011	0	14	0	0	0	0	0	0
40	September 25, 2011	September 25, 2011	0	15	0	0	0	0	0	0
40B	September 29, 2011	September 29, 2011	0	14	0	0	0	0	0	0
41	October 2, 2011	October 2, 2011	0	15	0	0	0	0	0	0
Season Total				486	420	12,031	4,989	498,932	142,056	658,428

All landing under Annette Island fisheries are placed under one Commercial Fisheries Entry Commission license, therefore it is shown as one boat.

Table 8. Weekly commercial catch and fishing effort by opening in the 2011 Annette Island Reserve gillnet fishery (preliminary).

			Effort		Catch					
Week	Openings	Closures	Boats	Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
25	June 12, 2011	July 15, 2011	1	792	1,097	8,938	2,296	66,509	78,769	157,609
26	June 19, 2011	June 23, 2011	0	96	0	0	0	0	0	0
27	June 26, 2011	June 30, 2011	0	96	0	0	0	0	0	0
28	July 3, 2011	July 7, 2011	0	96	0	0	0	0	0	0
29	July 10, 2011	July 15, 2011	0	120	0	0	0	0	0	0
30	July 17, 2011	July 21, 2011	1	96	90	3,029	820	35,482	56,057	95,478
31	July 24, 2011	July 29, 2011	1	120	74	2,377	1,058	22,512	37,850	63,871
32	July 31, 2011	August 4, 2011	1	96	10	1,396	675	15,009	17,518	34,608
33	August 7, 2011	August 11, 2011	1	96	5	749	318	15,646	10,819	27,537
34	August 14, 2011	August 18, 2011	1	96	1	539	913	28,853	21,525	51,831
35	August 21, 2011	August 24, 2011	1	72	0	212	1,594	28,676	20,270	50,752
36	August 28, 2011	September 1, 2011	1	96	0	52	2,400	28,876	21,016	52,344
37	September 4, 2011	September 8, 2011	1	96	0	6	6,962	1	5,016	11,985
38	September 11, 2011	September 15, 2011	1	96	0	0	7,145	0	10,421	17,566
39	September 18, 2011	September 22, 2011	1	96	0	0	8,617	0	5,122	13,739
40	September 25, 2011	September 29, 2011	1	96	0	0	9,729	0	2,881	12,610
41	October 2, 2011	October 5, 2011	1	72	0	0	5,480	0	936	6,416
Season Total				2,328	1,277	17,298	48,007	241,564	288,200	596,346

All landing under Annette Island fisheries are placed under one Commercial Fisheries Entry Commission license, therefore it is shown as one boat. Information is based solely on data given to the department by Annette Island salmon processors and is not confirmed by ADFG managers as complete.

Table 9. Southern Southeast Alaska pink salmon escapement indices by stock group and district for 2011 (in millions).

Stock group	District	Total pink salmo index 2011	anage lower	ment targ upper	Met minimum escapement	Recent 10-year average
E Behm	101	1.26	0.67	1.77		1.87
Portland	101	0.48	0.10	0.28	+	0.31
W Behm	101	0.34	0.25	0.66		0.60
Kasaan	102	0.70	0.24	0.64	+	0.90
Moira	102	0.09	0.05	0.13		0.12
E Dall	103	0.23	0.13	0.36		0.33
Hetta	103	0.50	0.30	0.79		0.67
Klawock	103	0.57	0.42	1.11		1.26
Sea Otter Sound	103	0.20	0.10	0.28		0.24
Affleck Canal	105	0.35	0.14	0.38		0.34
Shipley Bay	105	0.23	0.11	0.28		0.26
Burnett	106	0.04	0.05	0.14	-	0.15
Ratz Harbor	106	0.09	0.04	0.12		0.15
Totem Bay	106	0.08	0.05	0.13		0.12
Whale Pass	106	0.09	0.07	0.18		0.16
Anan	107	0.13	0.21	0.57	-	0.48
Union Bay	107	0.07	0.05	0.12		0.13
Stikine	108	0.03	0.02	0.06		0.07
Total	101	2.08	1.02	2.71		2.78
Total	102	0.80	0.29	0.77	+	1.02
Total	103	1.51	0.95	2.54		2.51
Total	105	0.58	0.25	0.66		0.61
Total	106	0.30	0.21	0.57		0.58
Total	107	0.20	0.26	0.69	-	0.61
Total	108	0.03	0.02	0.06		0.07
Southern Southeast Alaska Total		5.50	3.00	8.00		8.2 million

Table 10. Preliminary annual allowable harvest (AAH) calculations for the Alaska District 104 Week 27-30 purse seine fishery, 1999-2011.

Year	Nass & Skeena River Total Return	Nass & Skeena Escapement[a]	Allowable Nass & Skeena AAH	Allowable District 104 Purse Seine Harvest (2.45%)	Total Pre-Week 31 Sockeye Harvest	Actual Nass & Skeena Harvest in District 104 Purse Seine Fishery	Cumulative: overage (+) or underage (-)
1999	1,771,048	936,705	834,343	20,441	7,664	3,232	-17,209
2000	5,318,228	1,100,000	4,218,228	103,347	48,969	29,221	-91,335
2001	4,965,291	1,100,000	3,865,291	94,700	203,090	167,854	-18,181
2002	2,776,502	1,051,533	1,725,169	42,267	26,554	18,627	-41,820
2003	3,306,520	1,100,000	2,206,520	54,060	84,742	44,258	-51,622
2004	2,621,000	1,100,000	1,521,000	37,265	30,758	19,233	-69,653
2005	1,770,474	1,100,000	770,330	18,873	35,690	19,442	-69,085
2006	3,650,525	1,100,000	2,550,525	62,488	89,615	68,940	-62,632
2007	2,752,074	1,100,000	1,652,074	40,476	112,135	75,615	-27,493
2008	2,531,701	1,100,000	1,431,701	35,077	6,262	4,880	-57,690
2009[b]	1,524,000	1,040,000	484,000	11,858	15,971	11,180	-58,368
2010[b]	1,406,016	890,820	515,196	12,622	4,617	3,232	-67,758
2011[b]	2,490,000	1,100,000	1,390,000	34,055	25,280	17,696	-84,117

[a] AAH escapement is calculated as the lower of; 200,000 (the goal) or the actual spawning escapement.

[b] Preliminary information based on average harvest rates pending completion of run reconstruction analyses.

Table 11. Preliminary annual allowable harvest (AAH) calculations for the Alaska District 101 gillnet fishery, 1999-2011.

Year	Nass River Total Return	Nass River Escapement[a]	Allowable Nass River AAH	Allowable District 101 Gillnet Harvest (13.8%)	Total Sockeye Harvest	Actual Nass River Alaska Harvest	Cumulative: overage (+) or underage (-)
1999	842,806	200,000	642,806	88,707	160,028	129,794	41,087
2000	625,983	200,000	425,983	58,786	94,651	46,305	28,606
2001	580,616	167,258	413,358	57,043	80,041	55,096	26,659
2002	1,403,976	200,000	1,203,976	166,149	120,353	90,553	-48,937
2003	1,177,472	200,000	977,472	134,891	105,263	72,942	-110,886
2004	986,098	200,000	786,098	108,482	142,357	110,340	-109,028
2005	666,880	200,000	466,880	64,429	79,725	55,319	-118,138
2006	775,110	200,000	575,110	79,365	62,770	47,948	-149,555
2007	602,208	164,745	437,463	60,370	66,822	46,369	-163,556
2008	380,397	200,000	180,397	24,895	34,113	24,359	-164,092
2009[b]	460,000	200,000	260,000	35,880	69,859	48,901	-151,071
2010[b]	442,178	200,000	242,178	33,421	62,651	43,856	-140,635
2011[b]	570,000	200,000	370,000	51,060	88,618	62033	-129,662

[a] AAH escapement is calculated as the lower of; 200,000 (the goal) or the actual spawning escapement.

[b] Preliminary information based on average harvest rates pending completion of run reconstruction analyses.

Table 12. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 gillnet weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
FISHERY DID NOT OPEN			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL			-	-	-	-	-	-	-	-	-

2011 Catch figures are based on Fisheries Management In-Season Hail Estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 13. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 purse seine weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
FISHERY DID NOT OPEN			-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-

2011 Catch figures are based on Fisheries Management In-Season Hail Estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 14. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 troll weekly hailed catch 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook***	Total	Boat Days*	Hours Open	Days Fishing**
24	62	Jun.11	CLOSED	CLOSED	77	CLOSED	24,340	24,417	240	72	3
25	63	Jun.18	CLOSED	CLOSED	706	CLOSED	28,758	29,464	480	168	7
26	64	Jun.25	CLOSED	CLOSED	231	CLOSED	9,194	9,425	147	168	7
27	71	Jul.02	26	1,050	1,966	CLOSED	CLOSED	3,042	27	168	7
28	72	Jul.9	368	19,997	6,236	CLOSED	CLOSED	26,601	148	168	7
29	73	Jul.16	767	61,623	6,110	CLOSED	CLOSED	68,500	309	168	7
30	74	Jul.23	377	51,830	4,802	CLOSED	CLOSED	57,009	362	168	7
31	75	Jul.30	739	42,235	7,192	CLOSED	CLOSED	50,166	368	168	7
32	81	Aug.06	2,626	21,900	12,858	CLOSED	CLOSED	37,384	288	168	7
33	82	Aug.13	728	9,943	6,394	CLOSED	CLOSED	17,065	175	168	7
34	83	Aug.20	217	4,777	1,760	CLOSED	CLOSED	6,754	91	168	7
35	84	Aug.27	231	4,111	2,767	CLOSED	CLOSED	7,109	83	168	7
36	91	Sept.03	27	1,683	920	CLOSED	CLOSED	2,630	49	168	7
37	92	Sept.10	11	845	152	CLOSED	CLOSED	1,008	20	168	7
38	93	Sept.17	35	285	50	CLOSED	CLOSED	370	15	168	7
39	94	Sept.24	0	0	0	CLOSED	CLOSED	0	0	168	7
40	101	Oct.01	0	0	0	CLOSED	CLOSED	0	0	144	6
Totals			**6,152**	**220,279**	**52,221**	**0**	**62,292**	**340,944**	**2,802**	**2,736**	**114**

2011 non-Chinook catch figures are based on fisheries management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

*** Chinook Area hail catch pro-rated with validated Chinook landings.

Table 15. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Entrance (sub-areas 3-1 to 3-4) gillnet weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
26	64	Jun.25	210	Closed	0	Closed	3	213	2	16	1
27	71	Jul.02	Closed	Closed	Closed	Closed	Closed	0	0	0	0
28	72	Jul.9	Closed	Closed	Closed	Closed	Closed	0	0	0	0
29	73	Jul.16	Closed	Closed	Closed	Closed	Closed	0	0	0	0
30	74	Jul.23	Closed	Closed	Closed	Closed	Closed	0	0	0	0
31	75	Jul.30	Closed	Closed	Closed	Closed	Closed	0	0	0	0
32	81	Aug.06	7,977	412	4,796	Closed	0	13,185	47	32	2
33	82	Aug.13	7,559	388	5,514	Closed	9	13,470	38	15	1
Totals			**15,746**	**800**	**10,310**	**0**	**12**	**26,868**	**87**	**63**	**4**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 16. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Inside (sub-areas 7 to 17) gillnet weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
26	64	Jun.25	6,591	Closed	0	Closed	182	6,773	81	16	1
27	71	Jul.02	8,553	Closed	6	Closed	456	9,015	173	32	2
28	72	Jul.9	31,682	Closed	9104	Closed	387	41,173	282	48	3
29	73	Jul.16	Closed	Closed	Closed	Closed	Closed	0	0	0	0
30	74	Jul.23	Closed	Closed	Closed	Closed	Closed	0	0	0	0
31	75	Jul.30	Closed	Closed	Closed	Closed	Closed	0	0	0	0
32	81	Aug.06	3,626	386	5,677	Closed	0	9,689	37	32	2
33	82	Aug.13	3,422	90	2,448	Closed	0	5,960	10	15	1
34	83	Aug.20	228	88	1,433	Closed	0	1,749	6	15	1
Totals			**54,102**	**564**	**18,668**	**0**	**1,025**	**74,359**	**589**	**158**	**10**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 17. Department of Fisheries and Oceans commercial salmon harvest report, total Area 3 weekly gillnet hailed catch 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
26	64	Jun.25	6,801	Closed	0	Closed	185	6,986	83	16	1
27	71	Jul.02	8,553	Closed	6	Closed	456	9,015	173	32	2
28	72	Jul.9	31,682	Closed	9,104	Closed	387	41,173	282	48	3
29	73	Jul.16	Closed	Closed	Closed	Closed	Closed	0	0	0	0
30	74	Jul.23	Closed	Closed	Closed	Closed	Closed	0	0	0	0
31	75	Jul.30	Closed	Closed	Closed	Closed	Closed	0	0	0	0
32	81	Aug.06	11,603	798	10,473	Closed	0	22,874	83	32	2
33	82	Aug.13	10,981	478	7,962	Closed	9	19,430	48	15	1
34	83	Aug.20	455	88	1,433	Closed	0	1,976	6	15	1
Totals			**70,075**	**1,364**	**28,978**	**0**	**1,037**	**101,454**	**675**	**158**	**10**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 18. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Entrance (sub-areas 3-1 to 3-4) purse seine weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
29	73	Jul.16	519	Closed	12,818	Closed	Closed	13,337	5	16	1
30	74	Jul.23	Closed	Closed	12,787	Closed	Closed	12,787	3	16	1
31	75	Jul.30	25,461	Closed	95,071	Closed	Closed	120,532	31	32	2
32	81	Aug.06	10,557	1,751	29,771	Closed	Closed	42,079	21	32	2
Totals			**36,537**	**1,751**	**150,447**	**0**	**0**	**188,735**	**60**	**96**	**6**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 19. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Inside (sub-areas 7 to 17) purse seine weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
29	73	Jul.16	355	Closed	1,544	Closed	Closed	1,899	3	16	1
30	74	Jul.23	Closed	Closed	15,916	Closed	Closed	15,916	3	16	1
31	75	Jul.30	20,605	Closed	72,107	Closed	Closed	92,712	33	32	2
32	81	Aug.06	2,925	1,225	49,893	Closed	Closed	54,043	9	32	2
Totals			**23,885**	**1,225**	**139,460**	**0**	**0**	**164,570**	**48**	**96**	**6**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 20. Department of Fisheries and Oceans commercial salmon harvest report, total Area 3 purse seine weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
29	73	Jul.16	874	Closed	14,362	Closed	Closed	15,236	8	16	1
30	74	Jul.23	Closed	Closed	28,703	Closed	Closed	28,703	6	16	1
31	75	Jul.30	46,066	Closed	167,178	Closed	Closed	213,244	65	32	2
32	81	Aug.06	13,482	2,976	79,664	Closed	Closed	96,122	31	32	2
Totals			**60,422**	**2,976**	**289,907**	**0**	**0**	**353,305**	**110**	**96**	**6**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 21. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 troll weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
29	73	Jul.16	0	0	0	CLOSED	CLOSED	0	0	48	2
30	74	Jul.23		CONFIDENTIAL		CLOSED	CLOSED	0	1	168	7
31	75	Jul.30	0	0	0	CLOSED	CLOSED	0	0	168	7
32	81	Aug.06	4	485	101	CLOSED	CLOSED	590	4	168	7
33	82	Aug.13	6	355	56	CLOSED	CLOSED	417	4	168	7
34	83	Aug.20	0	0	0	CLOSED	CLOSED	0	0	168	7
35	84	Aug.27	0	606	0	CLOSED	CLOSED	606	4	168	7
36	91	Sept.03	0	751	0	CLOSED	CLOSED	751	4	168	7
37	92	Sept.10		CONFIDENTIAL		CLOSED	CLOSED	0	1	168	7
38	93	Sept.17	0	0	0	CLOSED	CLOSED	0	0	168	7
39	94	Sept.24	0	0	0	CLOSED	CLOSED	0	0	168	7
40	101	Oct.01	0	0	0	CLOSED	CLOSED	0	0	144	6
Totals			**10**	**2,348**	**157**	**0**	**0**	**2,364**	**18**	**1,872**	**78**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 22. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 gillnet weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
26	64	Jun.25	Closed	Closed	0	Closed	1,193	1,193	85	30	1
27	71	Jul.02	Closed	Closed	Closed	Closed	Closed	0	0	0	0
28	72	Jul.9	Closed	Closed	Closed	Closed	Closed	0	0	0	0
29	73	Jul.16	27,662	Closed	1,756	Closed	182	29,600	157	16	1
30	74	Jul.23	47,888	Closed	8,731	Closed	144	56,763	168	16	1
31	75	Jul.30	48,095	Closed	23,808	Closed	42	71,945	155	16	1
32	81	Aug.06	69,128	491	30,136	Closed	76	99,831	249	30	2
33	82	Aug.13	50,360	1,203	26,195	Closed	29	77,787	199	30	2
34	83	Aug.20	5,917	817	5,116	Closed	0	11,850	57	15	1
Totals			**249,050**	**2,511**	**95,742**	**0**	**1,666**	**348,969**	**1,070**	**153**	**9**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 23. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 purse seine weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
29	73	Jul.16	22,612	Closed	3,712	Closed	Closed	26,324	40	42	2
30	74	Jul.23	3,319	Closed	821	Closed	Closed	4,140	8	86	4
31	75	Jul.30	Closed	Closed	Closed	Closed	Closed	0	0	0	0
32	81	Aug.06	6,929	371	18,758	Closed	Closed	26,058	9	42	2
33	82	Aug.13	24,973	2,663	58,786	Closed	Closed	86,422	53	104	5
34	83	Aug.20	3,010	876	15,893	Closed	Closed	19,779	7	22	1
Totals			**60,843**	**3,910**	**97,970**	**0**	**0**	**162,723**	**117**	**296**	**14**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 24. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 troll weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
29	73	Jul.16	1	8,004	233	CLOSED	CLOSED	8,238	27	48	2
30	74	Jul.23	9	18,596	928	CLOSED	CLOSED	19,533	87	168	7
31	75	Jul.30	14	10,280	711	CLOSED	CLOSED	11,005	64	168	7
32	81	Aug.06	22	7,610	265	CLOSED	CLOSED	7,897	67	168	7
33	82	Aug.13	5	1,375	82	CLOSED	CLOSED	1,462	15	168	7
34	83	Aug.20	8	1,278	126	CLOSED	CLOSED	1,412	14	168	7
35	84	Aug.27	24	730	132	CLOSED	CLOSED	886	6	168	7
36	91	Sept.03	9	358	6	CLOSED	CLOSED	373	5	168	7
37	92	Sept.10	0	526	15	CLOSED	CLOSED	541	6	168	7
38	93	Sept.17	0	847	8	CLOSED	CLOSED	855	8	168	7
39	94	Sept.24	0	0	0	CLOSED	CLOSED	0	0	168	7
40	101	Oct.01	0	0	0	CLOSED	CLOSED	0	0	144	6
Totals			**92**	**49,604**	**2,506**	**0**	**0**	**52,202**	**299**	**1,872**	**78**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 25. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 gillnet weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
29	73	Jul.16		CONFIDENTIAL		Closed		CONFIDENTIAL		16	1
30	74	Jul.23	1,271	Closed	851	Closed	0	2,122	5	16	1
31	75	Jul.30		CONFIDENTIAL		Closed		CONFIDENTIAL		16	1
32	81	Aug.06	0	0	0	Closed	0	0	0	30	2
33	82	Aug.13	0	0	0	Closed	0	0	0	30	2
34	83	Aug.20	0	0	0	Closed	0	0	0	15	1
Totals			**1,610**	**0**	**1,181**	**0**	**0**	**2,122**	**7**	**123**	**8**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 26. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 purse seine weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
FISHERY DID NOT OPEN			-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-

2011 Catch figures are based on Fisheries Management In-Season Hail Estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 27. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 troll weekly hailed catch, 2011 (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
29	73	Jul.16		CONFIDENTIAL		CLOSED	CLOSED	CONFIDENTIAL		48	2
30	74	Jul.23	0	433	10	CLOSED	CLOSED	443	6	168	7
31	75	Jul.30	0	252	5	CLOSED	CLOSED	257	3	168	7
32	81	Aug.06	0	92	3	CLOSED	CLOSED	95	3	168	7
33	82	Aug.13		CONFIDENTIAL		CLOSED	CLOSED	CONFIDENTIAL		168	7
34	83	Aug.20	0	0	0	CLOSED	CLOSED	0	0	168	7
35	84	Aug.27	0	0	0	CLOSED	CLOSED	0	0	168	7
36	91	Sept.03		CONFIDENTIAL		CLOSED	CLOSED	CONFIDENTIAL		168	7
37	92	Sept.10	0	0	0	CLOSED	CLOSED	0	0	168	7
38	93	Sept.17	0	0	0	CLOSED	CLOSED	0	0	168	7
39	94	Sept.24	0	0	0	CLOSED	CLOSED	0	0	168	7
40	101	Oct.01	0	0	0	CLOSED	CLOSED	0	0	144	6
Totals			**0**	**1,147**	**20**	**0**	**0**	**795**	**16**	**1,872**	**78**

2011 catch figures are based on Fisheries Management in-season hail estimates

* Boat Days are represented in 24-hour format.

** Days Fishing are the sum of the daily fishery openings independent of hours open.

Table 28. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 3 Entrance (1-4) net fishery, 2011[1].

	Year												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:													
Total Run [Sum of AK catch of AK, BC catch of AK, and Dist 101-103 esc index x 2.5]	53,011,083	22,935,854	62,126,912	43,056,270	42,771,456	34,999,070	43,651,072	11,524,695	52,342,831	25,728,121	38,891,939	23,621,861	20,723,486
Actual Escapement [Dist 101-103 index x 2.5]	19,900,203	11,936,450	21,903,643	20,178,163	20,047,003	16,769,261	17,519,566	8,532,450	23,578,584	13,669,062	16,095,463	12,113,776	11,519,923
Escapement Requirement [Dist 101-103 escapement goal]	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000
Annual Allowable Harvest (AAH)	42,261,083	12,185,854	51,376,912	32,306,270	32,021,456	24,249,070	32,901,072	2,992,245	41,592,831	14,978,121	28,141,939	12,871,861	9,973,486
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 3(1-4) Net Fishery:													
Total Pink Harvest in Area 3(1-4) Net	2,224,180	89,980	1,155,691	1,163,645	924,183	559,034	894,890	143,733	1,740,271	12,082	432,861	36,334	160,757
Actual Number of Alaskan Pink Harvested	1,276,329	67,465	911,959	766,390	668,100	448,730	690,317	112,342	1,421,812	10,580	276,270	21,353	145,919
Actual %AAH	3.02%	0.55%	1.78%	2.37%	2.09%	1.85%	2.10%	3.75%	3.42%	0.07%	0.98%	0.17%	1.46%
Overage/Underage Based on the 2.49% AAH Stipulated in the Treaty:													
Allowable % AAH	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%
Allowable Harvest	1,052,301	303,428	1,279,285	804,426	797,334	603,802	819,237	74,507	1,035,661	372,955	700,734	320,509	248,340
Overage [Positive]/Underage (Negative)	224,028	(235,963)	(367,326)	(38,036)	(129,234)	(155,072)	(128,920)	37,836	386,150	(362,375)	(424,464)	(299,156)	(102,421)
Cumulative Overage/Underage	224,028	(11,934)	(379,260)	(417,296)	(546,530)	(701,602)	(830,522)	(792,687)	(406,536)	(768,912)	(1,193,376)	(1,492,532)	(1,594,953)

[1] Canadian and Alaskan pink salmon catch data for 1999-2006 were reviewed and updated, which changed the preliminary AAH calculations reported in the 2006 NBTC Annual Report

Table 29. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 1 troll fishery, 2011[1].

	Year												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:													
Total Run	53,011,083	22,935,854	62,126,912	43,056,270	42,771,456	34,999,070	43,651,072	11,524,695	52,342,831	25,728,121	38,891,939	23,621,861	20,723,486
Actual Escapement	19,900,203	11,936,450	21,903,643	20,178,163	20,047,003	16,769,261	17,519,566	8,532,450	23,578,584	13,669,062	16,095,463	12,113,776	11,519,923
Escapement Requirement	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000
Annual Allowable Harvest (AAH)	42,261,083	12,185,854	51,376,912	32,306,270	32,021,456	24,249,070	32,901,072	2,992,245	41,592,831	14,978,121	28,141,939	12,871,861	9,973,486
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 1 Troll Fishery:													
Total Pink Harvest in Area 1 Troll	31,013	73,358	132,709	22,918	74,160	22,198	27,768	34,854	61,276	23,243	61,522	17,950	52,221
Actual Number of Alaskan Pink Harvested	25,125	56,042	116,490	17,723	61,284	19,499	23,098	30,134	55,418	21,171	50,392	12,708	49,525
Actual %AAH	0.06%	0.46%	0.23%	0.05%	0.19%	0.08%	0.07%	1.01%	0.13%	0.14%	0.18%	0.10%	0.50%
Overage/Underage Based on the 2.57% AAH Stipulated in the Treaty:													
Allowable %AAH	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%
Allowable Harvest	1,086,110	313,176	1,320,387	830,271	822,951	623,201	845,558	76,901	1,068,936	384,938	723,248	330,807	256,319
Overage (Positive)/Underage (Negative)	-1,060,984	-257,134	-1,203,896	-812,548	-761,668	-603,702	-822,460	-46,767	-1,013,518	-363,766	-672,855	-318,099	-206,794
Cumulative Overage/Underage	-1,060,984	-1,318,119	-2,522,015	-3,334,563	-4,096,231	-4,699,933	-5,522,393	-5,569,160	-6,582,678	-6,946,444	-7,619,300	-7,937,399	-8,144,192

[1] Canadian and Alaskan pink salmon catch data for 1999-2006 were reviewed and updated, which changed the preliminary AAH calculations reported in the 2006 NBTC Annual Report.

Table 30. Department of Fisheries and Oceans, 2011 escapements to Areas 3, 4, and 5 (preliminary).

Area	Sockeye	Coho	Pink	Chum	Chinook
3	276,711	85,317	142,087	8,072	10,357
4	676,086	26,614	252,219	3,264	37,073
5	360	495	37,215	684	UNK
Totals	**953,157**	**112,426**	**431,521**	**12,020**	**47,430**

Table 31. Department of Fisheries and Oceans, 2012 salmon forecast, Areas 1, 3, 4, and 5.

Area	Species	Forecasted Return to Canada
Area 1	Sockeye	Unknown
	Pink	Good
Area 3	Sockeye	446,000
	Pink	Poor
Area 4	Sockeye	1,500,000
	Pink	Very Poor
Area 5	Sockeye	Unknown
	Pink	Very Poor

Table 32. Annual effort data for Canadian Areas 1, 3, 4, and 5.

		AREA 1		AREA 3		AREA 4		AREA 5	
YEAR	GEAR	BOAT* DAYS	DAYS* FISHING	BOAT DAYS	DAYS FISHING	BOAT DAYS	DAYS FISHING	BOAT DAYS	DAYS FISHING
1980	GN	0	0	2980	20	5726	13	852	15
	SN	0	0	912	20	6	2	158	15
1981	GN	0	0	2127	26	13170	26	552	11
	SN	0	0	1189	26	401	8	49	11
1982	GN	0	0	3155	34	8799	18	548	17
	SN	0	0	1649	34	827	6	197	17
1983	GN	6	12	2377	22	4699	15	501	14
	SN	108	12	2157	22	0	0	55	14
1984	GN	18	27	2929	23	7705	22	435	15
	SN	543	27	1580	20	761	6	355	14
1985	GN	74	24	813	21	12504	26	169	16
	SN	241	24	1099	17	819	9	241	12
1986	GN	345	27	1125	25	6095	21	529	23
	SN	328	35	1221	24	94	8	389	22
1987	GN	39	13	1015	19	5803	17	192	13
	SN	156	13	1780	18	215	7	269	12
1988	GN	56	18	727	18	14141	23	305	17
	SN	190	16	888	15	273	4	229	15
1989	GN	20	11	1525	26	8638	28	428	22
	SN	78	11	1059	18	70	18	87	17
1990	GN	12	17	977	26	8583	32	282	21
	SN	215	17	556	15	60	20	296	15
1991	GN	16	13	1813	36	10931	25	375	24
	SN	64	5	2958	18	178	7	228	18
1992	GN	68	21	2527	31	12110	25	368	24
	SN	239	16	1016	18	197	10	128	17
1993	GN	26	15	3692	43	10909	22	183	22
	SN	15	15	1816	16	329	12	71	13
1994	GN	82	16	3443	23	8130	20	430	12
	SN	164	7	698	9	0	0	5	1
1995	GN	270	29	4305	31	12062	19	434	22
	SN	322	7	2536	15	484	9	154	13
1996	GN	19	18	4433	36	13487	25	507	26
	SN	79	15	1117	20	975	14	347	19
1997	GN	536	23	2759	23	9558	21	269	20
	SN	313	8	809	15	172	11	25	13
1998	GN	5	11	1197	16	1041	6	47	3
	SN	12	2	204	9	0	0	4	0
1999	GN	1	5	3300	17	238	3	0	0
	SN	0	0	1001	15	26	2	6	2
2000	GN	15	4	2321	17	5150	19	164	3
	SN	0	0	282	12	544	9	54	11
2001	GN	2	1	1031	11	5380	19	86	12
	SN	0	0	244	13	393	9	57	11
2002	GN	2	2	2882	19	3559	13	43	11
	SN	7	2	294	15	218	15	64	15
2003	GN	0	0	3417	17	2484	8	27	5
	SN	0	0	210	15	118	9	32	11
2004	GN	0	3	3241	13	1581	6	78	5
	SN	0	0	448	13	218	13	28	7
2005	GN	0	0	2645	16	198	2	0	0
	SN	0	0	291	18	0	0	19	6
2006	GN	7	5	3487	15	6376	17	71	13
	SN	0	0	236	7	682	16	3	6
2007	GN	0	0	1694	9	1796	7	11	2
	SN	0	0	478	15	85	9	82	15
2008	GN	0	0	595	7	2213	9	18	7
	SN	0	0	61	3	274	14	10	1
2009	GN	0	0	1517	8	187	2	0	0
	SN	0	0	115	10	33	4	15	5
2010	GN	0	0	929	6	466	3	14	1
	SN	8	4	17	2	0	0	1	1
2011	GN	0	0	675	7	1070	6	7	5
	SN	0	0	109	4	117	9	0	0
AVG 00-09	GN	3	1	2283	13	2892	10	50	6
	SN	1	0	266	12	256	10	36	9
	TOTAL	3	2	2549	25	3149	20	86	15
AVG 90-99	GN	104	17	2845	28	8705	20	290	17
	SN	142	9	1271	15	242	8	126	11
	TOTAL	246	26	4116	43	8947	28	416	28
AVG 80-89	GN	56	13	1877	23	8728	21	451	16
	SN	164	14	1353	21	347	7	203	15
	TOTAL	220	27	3231	45	9075	28	654	31

* BOAT DAYS are represented in 24-hour format.

**DAYS FISHING are represented in 24-hour format.

Table 33. Annual escapement data for Canadian Area 1 (2011 is preliminary).

YEAR	SOCKEYE	COHO	PINK	CHUM	CHINOOK
1970	26,500	24,050	432,650	24,800	800
1971	16,500	14,335	6,050	44,500	500
1972	17,500	26,150	329,900	8,600	1,000
1973	38,000	58,350	4,000	50,000	900
1974	39,000	97,100	201,400	41,800	1,000
1975	16,500	47,000	3,950	53,050	1,500
1976	40,900	153,500	285,050	53,500	700
1977	36,750	55,400	4,900	60,300	800
1978	20,300	61,250	217,500	56,200	600
1979	20,650	34,750	3,250	32,450	400
1980	33,200	17,140	290,795	14,768	600
1981	23,000	18,000	3,650	26,100	750
1982	28,500	35,250	362,000	70,800	1,400
1983	19,500	20,600	2,130	35,225	600
1984	18,500	28,850	1,213,900	52,775	300
1985	43,200	23,700	1,875	63,800	1,500
1986	13,500	32,900	838,500	82,500	500
1987	9,100	32,650	4,500	51,100	2,000
1988	23,600	28,900	566,100	29,950	2,200
1989	11,200	16,550	1,300	18,975	2,800
1990	200	10,270	1,389,560	4,700	2,000
1991	4,400	11,350	600	1,000	1,900
1992	12,100	8,200	994,800	6,300	2,000
1993	500	2,500	350	50,060	1,000
1994	8,700	UNK	647,000	32,150	2,000
1995	7,100	UNK	1,000	19,855	1,500
1996	19,300	UNK	2,924,000	6,725	3,000
1997	12,000	UNK	UNK	31,050	2,500
1998	14,000	38,400	747,200	32,100	3,000
1999	15,550	28,000	2,700	33,000	3,200
2000	19,200	22,600	465,000	13,520	3,600
2001	3,900	6,674	1	3,804	UNK
2002	9,850	13,474	939,003	7,000	3,500
2003	7,500	2,538	UNK	34,081	4,000
2004	10,000	719	177,500	4,000	UNK
2005	5,000	1,500	UNK	1,650	5,000
2006	27,200	UNK	250,250	18,300	5,000
2007	8,500	UNK	UNK	1,950	5,000
2008	9,100	UNK	607,750	600	5,000
2009	7,500	UNK	UNK	35,520	UNK
2010	18,025	UNK	1,135,000	200	UNK
2011	7,000	UNK	UNK	25,400	UNK
AVG 70-79	27,260	57,189	148,865	42,520	820
AVG 80-89	22,330	25,454	328,475	44,599	1,265
AVG 90-99	9,385	16,453	745,246	21,694	2,210
AVG 00-09	10,775	7,918	406,584	12,043	4,443

Table 34. Annual escapement data for Canadian Area 3 (2011 is preliminary).

YEAR	SOCKEYE	COHO	PINK	CHUM	CHINOOK
1970	115,503	43,300	224,750	35,400	18,250
1971	247,524	44,325	136,525	28,825	17,000
1972	178,716	20,850	244,250	81,125	19,800
1973	284,682	9,400	70,786	66,025	3,550
1974	193,703	16,435	84,915	121,570	3,775
1975	70,874	15,410	141,758	30,550	6,025
1976	143,405	32,700	158,175	64,650	5,590
1977	400,371	35,605	229,155	57,775	9,060
1978	147,718	33,100	401,445	75,970	10,190
1979	212,944	18,655	50,625	42,313	8,180
1980	155,515	22,405	130,777	54,794	9,072
1981	255,818	34,429	204,425	16,508	7,925
1982	306,070	31,055	427,135	29,476	6,575
1983	185,150	36,360	738,205	45,115	8,055
1984	182,450	67,650	531,035	67,425	12,620
1985	361,208	44,539	508,855	48,971	7,999
1986	187,261	34,910	375,245	34,900	17,375
1987	184,242	31,652	371,866	31,387	8,695
1988	136,760	10,551	185,065	47,050	7,370
1989	112,609	20,690	641,270	33,770	12,525
1990	155,472	38,510	154,968	30,980	12,103
1991	269,850	16,777	388,100	23,835	3,967
1992	645,964	16,118	196,808	15,684	16,415
1993	440,740	7,510	314,102	79,951	24,126
1994	179,262	15,329	155,356	33,199	2,440
1995	237,991	13,967	349,017	40,451	1,256
1996	219,825	11,613	344,860	22,990	2,619
1997	237,312	3,989	216,527	20,302	957
1998	193,810	9,781	151,940	138,490	1,268
1999	197,550	13,216	464,775	33,467	724
2000	138,042	17,339	322,990	20,718	1,111
2001	117,692	26,366	826,632	30,472	3,313
2002	338,879	30,224	598,264	17,813	4,367
2003	199,458	18,254	841,856	40,002	5,386
2004	141,913	15,062	542,500	54,033	4,393
2005	146,813	19,418	944,415	30,855	2,341
2006	149,598	15,644	129,050	43,975	7,512
2007	113,637	9,181	589,059	17,225	3,584
2008	155,860	12,383	58,676	14,593	7,632
2009	179,652	17,262	640,955	20,680	3,608
2010	163,317	14,958	256,789	10,885	2,210
2011	190,412	3,081	64,626	9,879	4,548
AVG 70-79	199,544	26,978	174,238	60,420	10,142
AVG 80-89	206,708	33,424	411,388	40,940	9,821
AVG 90-99	277,778	14,681	273,645	43,935	6,588
AVG 00-09	168,154	18,113	549,440	29,037	4,325

Table 35. Annual escapement data for Canadian Area 4 (2011 is preliminary).

YEAR	SOCKEYE	COHO	PINK	CHUM	CHINOOK
1970	678,652	84,725	971,800	10,890	21,150
1971	821,850	75,795	1,173,381	5,232	18,500
1972	697,237	57,514	1,765,154	36,920	20,651
1973	820,196	41,292	1,260,186	25,476	40,341
1974	723,898	38,798	367,605	14,102	31,576
1975	822,633	22,119	1,767,907	10,375	20,319
1976	575,590	32,891	693,850	11,071	13,053
1977	951,805	37,634	976,527	10,927	29,018
1978	424,075	49,963	724,597	8,153	22,676
1979	1,166,236	24,494	515,563	5,705	18,488
1980	542,164	31,587	745,367	25,007	23,400
1981	1,424,509	26,692	1,187,835	9,385	24,524
1982	1,140,737	24,521	739,247	4,626	16,990
1983	893,724	24,978	2,610,074	1,667	23,602
1984	1,055,215	50,409	1,037,698	29,764	35,864
1985	2,174,806	19,974	2,042,150	12,198	52,407
1986	716,312	54,587	2,323,944	12,780	59,719
1987	1,324,128	32,739	3,180,414	7,652	60,948
1988	1,417,543	11,293	828,090	108,921	68,307
1989	1,137,994	44,126	4,675,527	20,331	57,192
1990	989,566	76,662	2,611,520	6,343	55,541
1991	1,232,568	52,544	4,797,937	4,680	52,792
1992	1,550,109	34,703	821,950	11,290	67,118
1993	1,629,426	23,192	663,888	10,052	68,286
1994	1,026,816	33,830	242,285	7,967	22,611
1995	1,720,292	16,293	1,641,489	7,928	34,390
1996	1,727,147	14,759	2,025,648	8,404	73,684
1997	985,097	6,333	484,476	22,250	42,539
1998	521,417	39,044	272,871	14,664	46,774
1999	624,366	71,787	1,095,352	2,650	43,775
2000	1,394,177	29,922	260,481	4,650	51,804
2001	1,508,045	74,254	1,017,612	8,620	81,504
2002	610,851	46,129	232,451	3,060	44,771
2003	1,211,762	50,484	1,517,355	1,782	56,758
2004	923,187	32,303	653,350	2,020	39,552
2005	704,559	77,732	1,213,770	2,335	29,496
2006	1,172,699	50,332	116,367	685	36,682
2007	1,042,717	26,792	632,243	474	37,054
2008	867,676	33,145	69,898	510	34,615
2009	667,603	88,215	2,515,312	1,330	36,476
2010	662,755	44,956	325,404	1,117	42,339
2011	676,086	26,614	252,219	3,264	37,073
AVG 70-79	768,217	46,523	1,021,657	13,885	23,577
AVG 80-89	1,182,713	32,091	1,937,035	23,233	42,295
AVG 90-99	1,200,680	36,915	1,465,742	9,623	50,751
AVG 00-09	1,010,328	50,931	822,884	2,547	44,871

Table 36. Annual escapement data for Canadian Area 5 (2011 is preliminary).

YEAR	SOCKEYE	COHO	PINK	CHUM
1970	23,750	10,600	139,850	12,250
1971	55,225	9,975	80,761	25,625
1972	24,400	21,820	280,725	17,725
1973	32,425	18,000	56,375	18,975
1974	43,925	18,450	337,075	34,025
1975	50,000	33,000	170,375	10,075
1976	19,050	21,475	348,450	19,625
1977	11,400	25,410	110,275	32,170
1978	28,650	18,650	264,850	13,775
1979	16,000	17,275	43,000	13,950
1980	16,800	11,525	225,825	9,350
1981	16,000	18,025	121,850	3,120
1982	19,450	2,620	70,300	7,370
1983	12,450	4,300	81,025	4,596
1984	17,150	8,175	162,450	6,830
1985	37,250	4,350	177,075	11,765
1986	25,000	22,289	313,900	16,450
1987	26,550	6,000	127,950	10,175
1988	33,400	7,775	162,000	12,750
1989	21,900	1,000	178,500	4,750
1990	5,676	5,006	202,244	3,607
1991	32,035	2,981	70,160	4,113
1992	22,895	3,982	41,161	731
1993	33,150	1,925	39,475	1,795
1994	6,800	800	44,725	870
1995	8,700	UNK	90,900	3,880
1996	24,100	UNK	270,100	3,200
1997	28,400	500	68,750	2,260
1998	10,450	900	161,250	9,250
1999	23,500	1,150	313,450	900
2000	22,600	800	278,150	1,070
2001	21,500	323	395,650	3,080
2002	9,700	1,400	409,810	4,965
2003	42,850	1,010	233,825	4,110
2004	18,200	355	88,330	2,670
2005	14,000	770	277,400	2,600
2006	22,600	285	31,880	2,575
2007	14,150	215	114,700	1,125
2008	2,900	650	29,080	2,226
2009	35	544	164,350	3,998
2010	5,232	1,179	40,704	1,273
2011	360	495	37,215	684
AVG 70-79	30,483	19,466	183,174	19,820
AVG 80-89	22,595	8,606	162,088	8,716
AVG 90-99	19,571	2,156	130,222	3,061
AVG 00-09	16,854	635	202,318	2,842

FIGURES

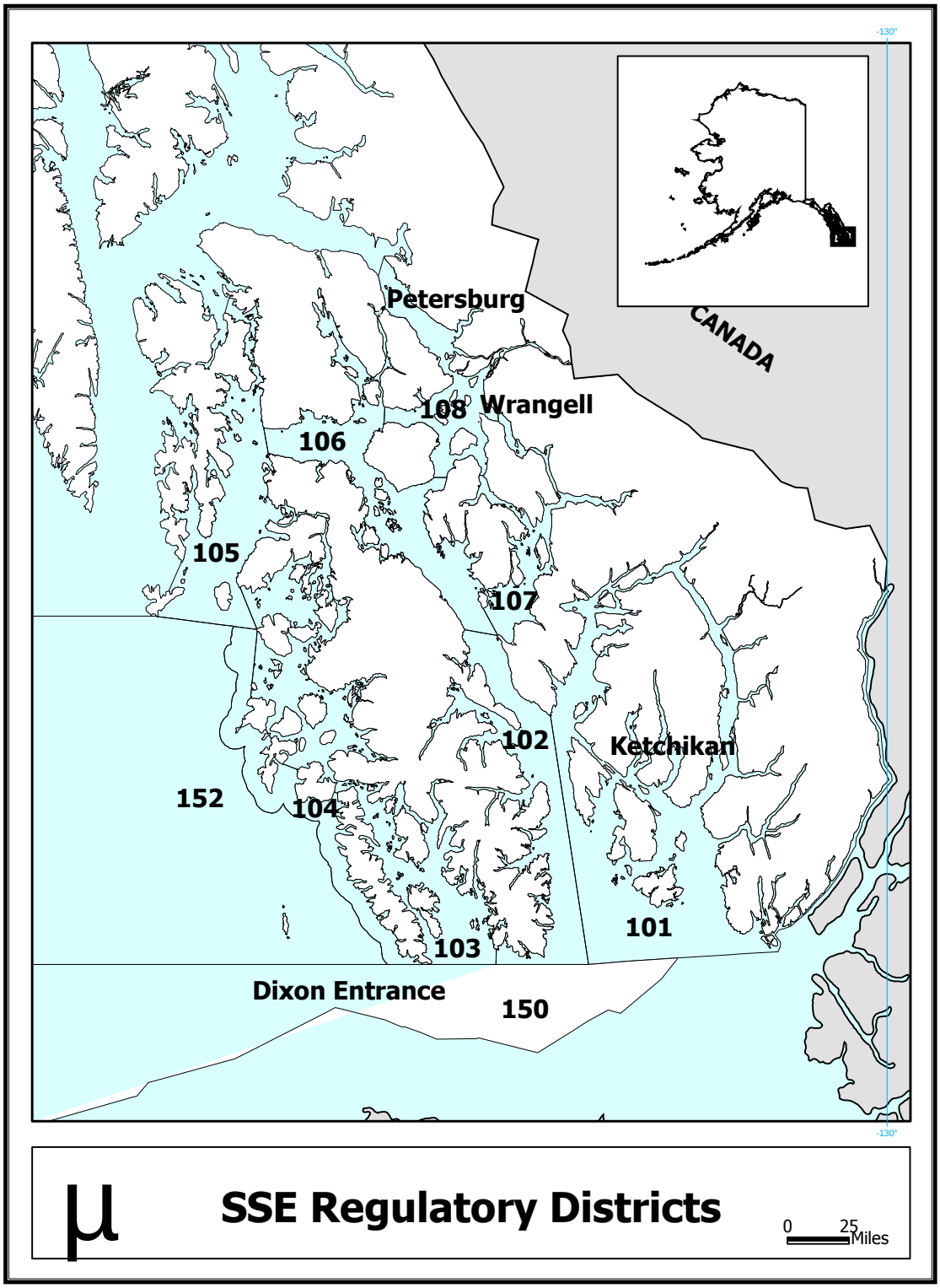

Figure 1. Alaska Department of Fish and Game Southern Southeast Alaska regulatory districts.

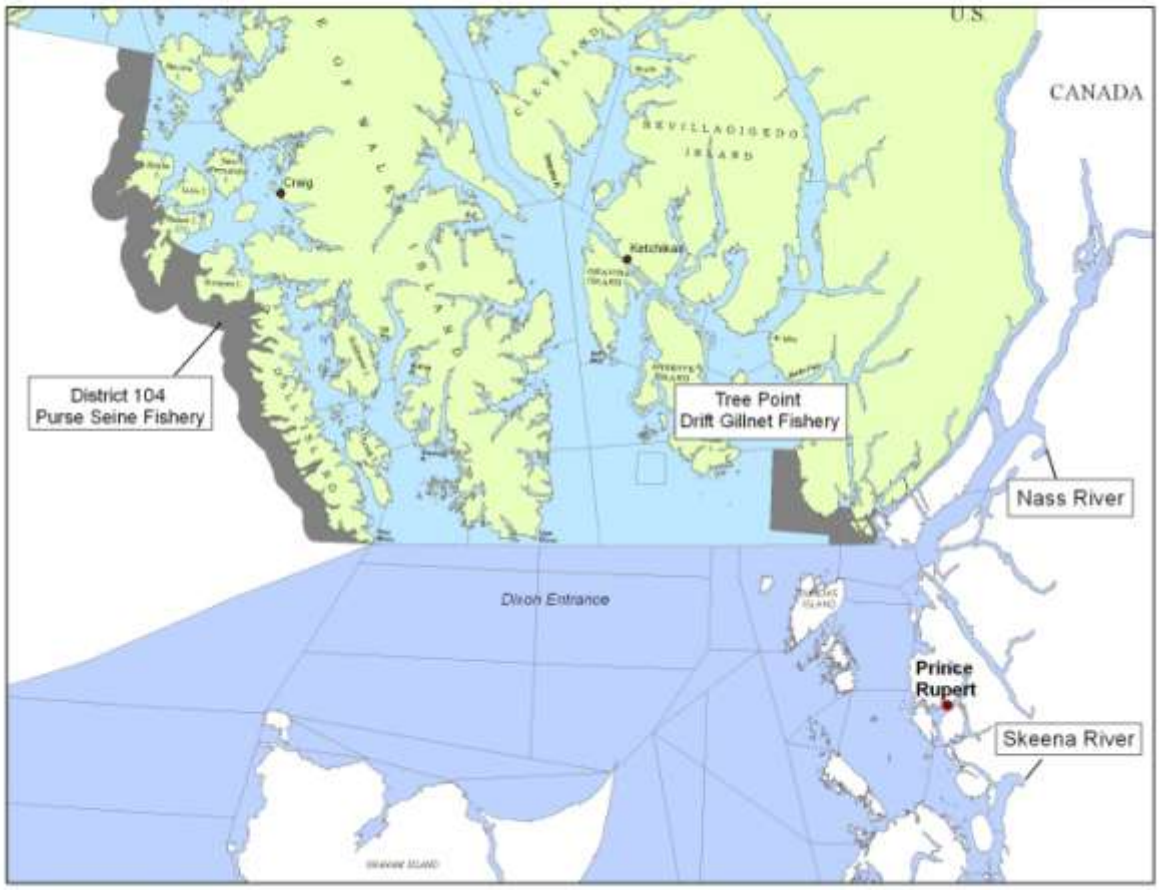

Figure 2. Alaska District 101 gillnet and District 104 treaty fisheries.

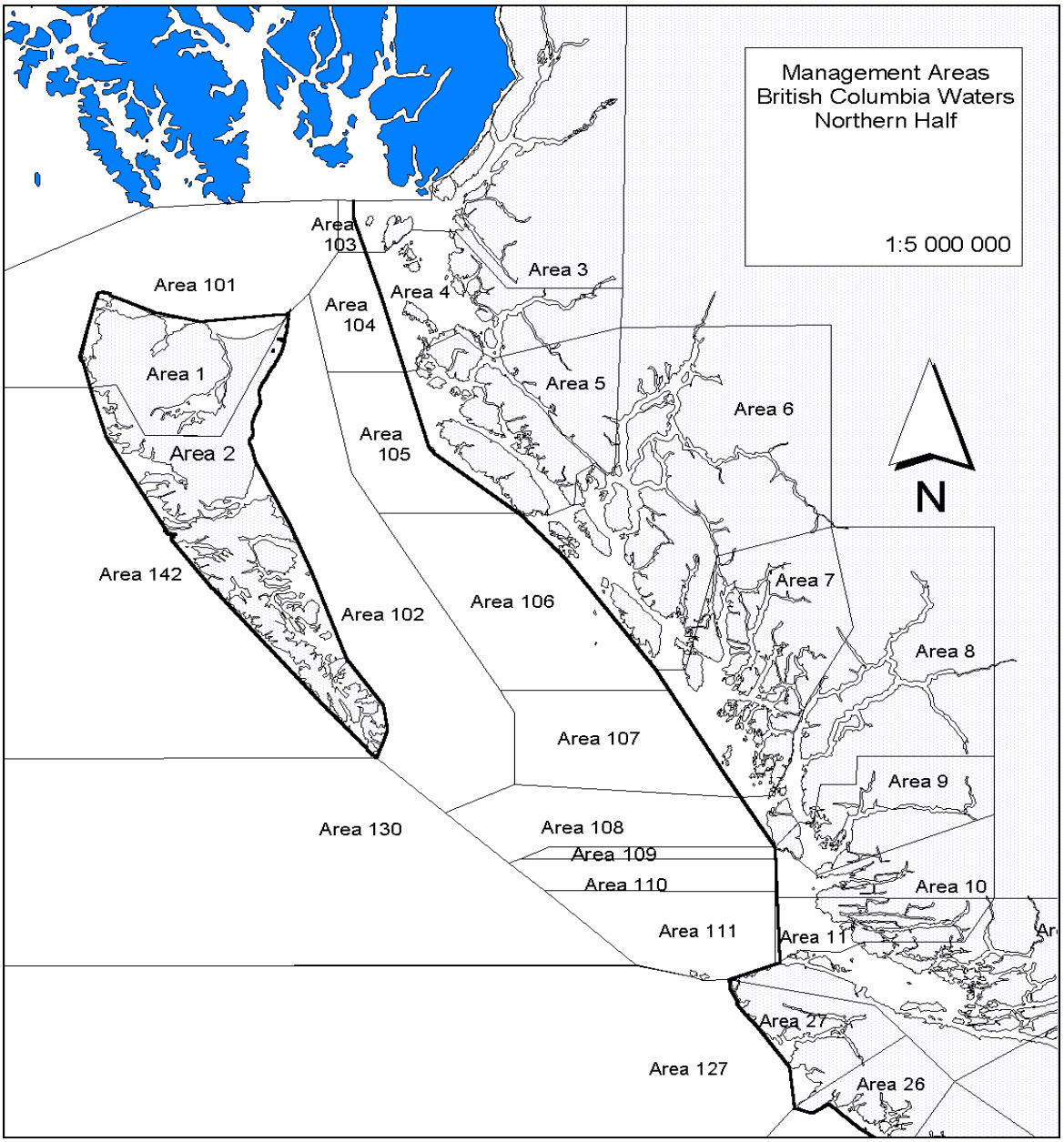

Figure 3. Canadian Department of Fisheries and Oceans Statistical Areas 1-10, Northern British Columbia.

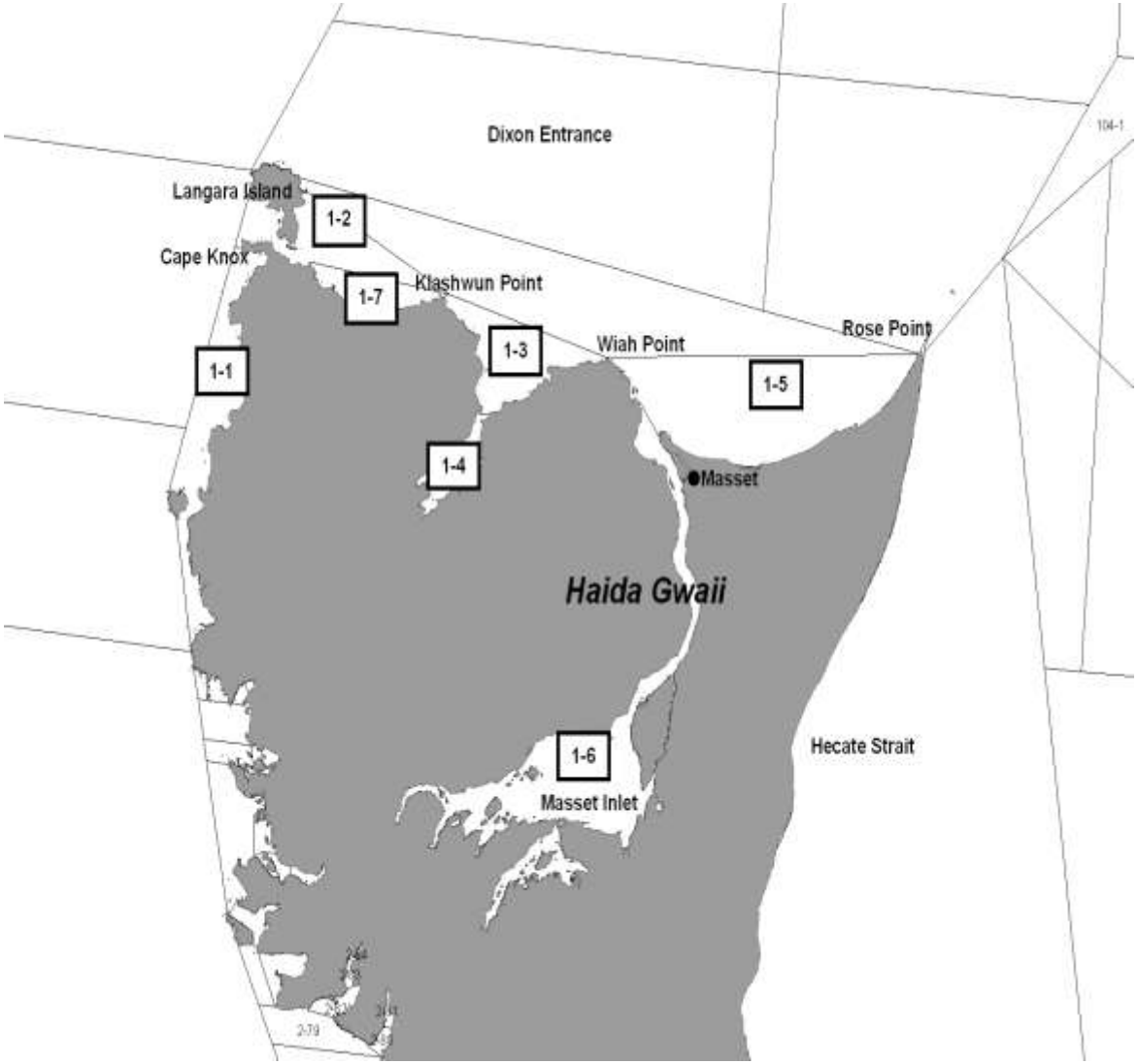

Figure 4. Canadian Department of Fisheries and Oceans Statistical Area 1 management sub-areas.

Figure 5. Canadian Department of Fisheries and Oceans Statistical Area 3 management sub-areas.

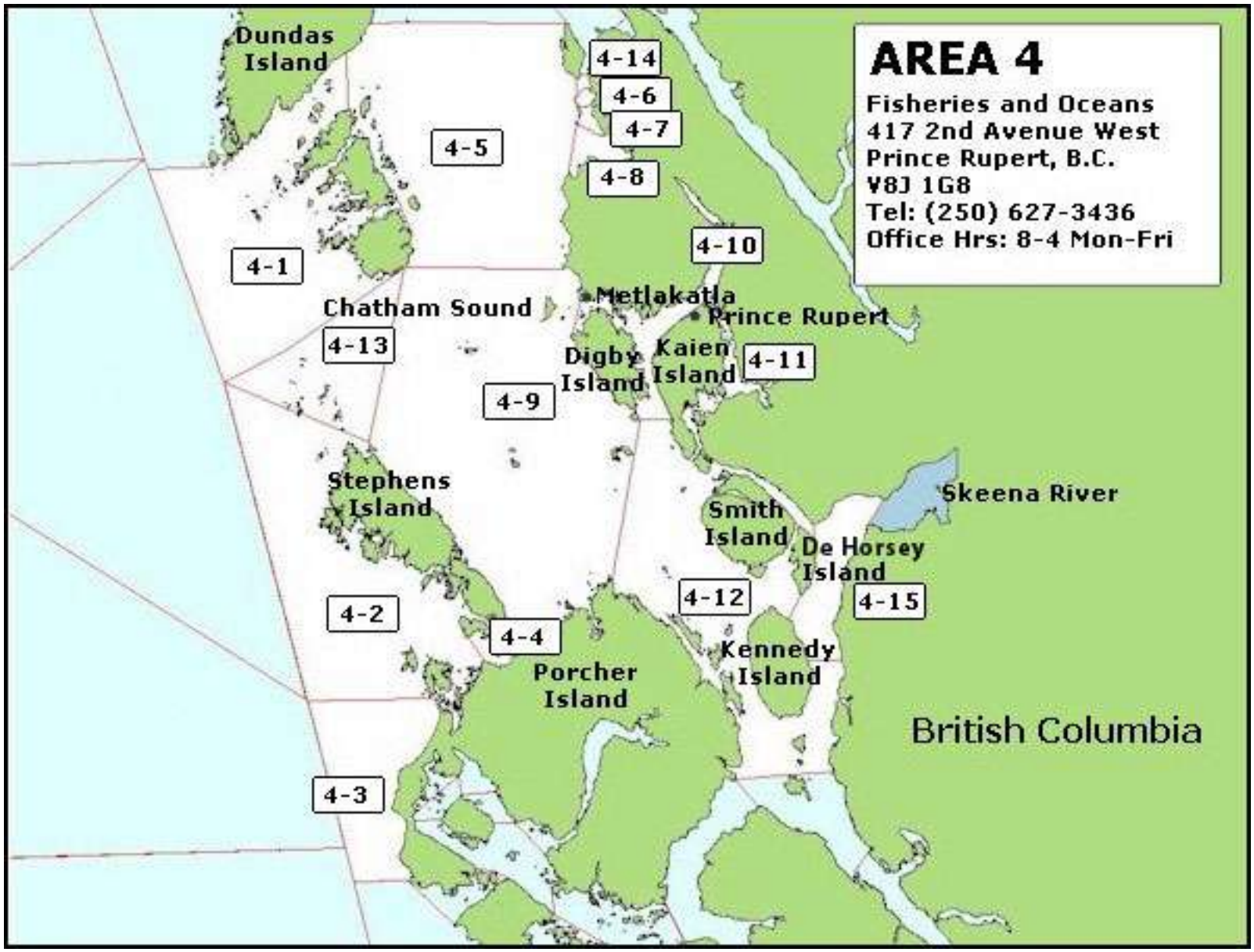

Figure 6. Canadian Department of Fisheries and Oceans Statistical Area 4 management sub-areas.

Figure 7. Canadian Department of Fisheries and Oceans Statistical Area 5 management sub-areas.