

**PACIFIC SALMON COMMISSION
JOINT NORTHERN BOUNDARY
TECHNICAL COMMITTEE**

**U.S./CANADA NORTHERN BOUNDARY AREA
2013 SALMON FISHERIES MANAGEMENT REPORT
AND 2014 PRELIMINARY EXPECTATIONS**

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LIST OF ACRONYMS WITH DEFINITIONS

AAH	Annual Allowable Harvest
ADF&G	Alaska Department of Fish & Game
CDFO	Canadian Department of Fisheries and Oceans
M	Million
NBC	Northern British Columbia Dixon Entrance to Kitimat including Queen Charlotte Islands.
NBTC	Northern Boundary Technical Committee
NMFS	National Marine Fisheries Service
PSC	Pacific Salmon Commission
PST	Pacific Salmon Treaty
QCI	Queen Charlotte Islands
SSEAK	Southern Southeast Alaska Stikine River to Dixon Entrance

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EXECUTIVE SUMMARY

This report reviews:

- 1) catch, effort, and management actions in the 2013 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 2014.

2013 FISHERIES

Pink salmon returns were exceptionally strong throughout much of the region in 2013. The southern Southeast Alaska pink salmon harvest was 53.5 million (Districts 1-8, all harvest codes, all gear), which was 271% of the ten-year average of 19.8 million and the second highest harvest since 1960. For all of Southeast Alaska, excluding the Yakutat area, the pink salmon harvest was a record 95 million fish, which was well above the preseason forecast point estimate of 54 million and above the 42-67 million 80% confidence interval range of the forecast.

The total 2013 Southeast Alaska pink salmon escapement index of 25.2 million index fish was the 2nd largest since 1960, and was close to doubling the recent 10-year average of 14.2 million. Biological escapement goals are in place for three subregions in Southeast Alaska and escapement goals were met or exceeded for all three subregions in 2013. On a finer scale, escapements met or exceeded management targets for all 15 districts in the region and for 45 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 101–108). The escapement index value of 14.4 million was well above the escapement goal range of 3.0 to 8.0 million index fish and was the largest index value since 1960.

Sockeye salmon catches in traditional Alaska boundary area gillnet and purse seine fisheries, including treaty fisheries, were below the 1985–2012 average in all areas except District 102 purse seine, where the total catch was near average. The Hugh Smith Lake adult sockeye salmon escapement was 5,950, which was below the optimal escapement goal range of 8,000 to 18,000 adult sockeye salmon. The expanded peak survey count of 15,400 McDonald Lake sockeye salmon was well below the lower bound of the 55,000 to 120,000 sustainable escapement goal range.

Alaska boundary area drift gillnet and purse seine summer chum salmon catches were below average in most boundary area fisheries. 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 54,000 index spawners (based on the aggregate peak survey to all

13 streams). The escapement index of 84,000 in 2013 was the third consecutive index value above goal.

Gillnet and purse seine coho salmon catches in the Alaska boundary area were above average and coho salmon escapement counts and estimates were above goal. The combined peak count of 9,211 coho salmon in the 14 surveyed streams in the Ketchikan survey index was above the escapement goal of 4,250-8,500 fish. The total escapement of 3,048 coho salmon to Hugh Smith Lake was well above the biological escapement goal range of 500-1,600 fish.

In Canadian Area 1 there are no longer commercial net interception fisheries on passing salmon stocks. No pink or chum surpluses were identified in-season therefore there were no terminal gillnet or seine fisheries in 2013. Catches in the Area 1/101 troll fishery were above the previous decadal average for coho (224,647 vs. 103,690) and pink (84,216 vs. 62,588).

Sockeye catches were well below average in Area 3 with gillnets catching 113,836 compared to the previous decadal average of 255,093 and seines catching 6,927 compared to the previous decadal average of 70,724. Pink catches were well above average in Area 3 with gillnets catching 293,282 compared to the previous decadal average of 212,947 and seines catching 2,210,279 compared to the previous decadal average of 1,238,669.

No sockeye or pink directed commercial fisheries occurred in Area 4 due to the poor return of Skeena sockeye. Two commercial gillnet openings targeting Skeena Chinook caught 997 Chinook.

Commercial fisheries were closed in Area 5 for the entire season.

The preliminary sockeye escapement estimate to the Nass was 210,263 and was somewhat higher than the escapement target of 200,000. The Skeena sockeye reconstructed net escapement estimate of 411,000 was much lower than the 2000 to 2009 average of 1.0 million and below the target escapement of 900,000. Pink returns throughout the North Coast were much higher than expected and exceeded escapement goals in most cases. Chum escapements continued to be poor and management measures to reduce impacts to wild chum continued in 2013.

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.

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 Alaska’s District 101 gillnet fishery, the AAH is based solely on the run size of Nass River sockeye salmon. The run size of

Alaskan pink salmon returning to Districts 101-103 determines the allowable harvests of these stocks in Canada's Area 3 (1-4) net and Area 1 troll fisheries.

In the District 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 and in 2013 the initial opening was July 7 (Week 28). The 2013 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 approximately 452,000 Nass River sockeye salmon and 700,000 Skeena River sockeye salmon. The preseason forecasts resulted in a total projected return of 1.15 million Nass and Skeena sockeye salmon which, minus an escapement goal of 1.10 million, produced an AAH of approximately 52,000 fish. Using this forecast, the 2013 pre-week 31 AAH was approximately 1,300 Nass and Skeena sockeye salmon.

In the District 101 (Tree Point) drift gillnet fishery, 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. 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 452,000 in 2013 which, minus an escapement goal of 200,000, would result in an AAH of about 252,000. Using this forecast the 2013 allowable harvest in the District 101 drift gillnet fishery was approximately 35,000 Nass River sockeye salmon.

The District 101 drift gillnet fishery opens by regulation on the third Sunday in June, which was June 16 (week 25) in 2013. 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 2013, Canada was to manage the Area 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 % of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon. With a Total Return of approximately 80.81 million pinks, the Alaskan Districts 101, 102 and 103 AAH was 70.06 million pinks. The resulting Area 3-1 to 3-4 Canadian commercial net total allowable catch of this AAH was approximately 1.74 million pinks of Alaskan Districts 101, 102 and 103 origin.

In the Canadian northern boundary area, pink salmon returns were anticipated to be very poor for both Area 3 and Area 4, based on brood year return strength. Actual returns to Area 3 and 4 streams were well above average. The 2013 preliminary Canadian pink salmon catch in Sub-areas 3-1 to 3-4 was 1.25 million and the Alaska stock component of this catch is estimated to be 1.15 million, or 1.64 % of the AAH, well below the annex agreement of 2.49 %.

For the year 2013, Canada was to manage the Area 1 troll fishery to achieve an annual catch share of 2.57 % of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103

pink salmon. The resulting Area 1 Canadian commercial troll total allowable catch of this AAH was approximately 1.80 million 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 1st to September 30th. Pink retention was also permitted during the Chinook directed fishery in parts of Area 1 which opened from June 21st to July 7th. Area 1 pink salmon directed effort was very minimal and the fishery harvested a total of 84,216 pink salmon, with an estimated 80,590 being of Alaskan origin. This equates to 0.12 % of the Alaskan District 101, 102 and 103 pink AAH, well below the annex agreement of 2.57%.

2014 FORECASTS

The Southeast Alaska pink salmon harvest in 2014 is predicted to be in the *average* range, with a point estimate of 22 million fish (80% confidence interval: 8–36 million fish). An actual harvest of 22 million pink salmon would be well below the recent 10-year average of 41 million pink salmon, but is close to the average harvest over the past five even years. The 2014 forecast was produced in two steps: 1) a forecast of the trend in the harvest, and 2) the forecast trend adjusted using 2012 juvenile pink salmon abundance data provided by the NOAA Fisheries, Alaska Fisheries Science Center, Auke Bay Laboratories. Formal forecasts are not made for species other than pink salmon in Southeast Alaska.

A nearly average Nass sockeye total return of 642,000 (with a 10% probability of the return exceeding 972,000 and a 90% probability the return will exceed 452,000) is expected. The sibling model forecast predicts a 50% probability of approximately 2.3 million sockeye returning to the Skeena in 2014 with a 10% probability of the return exceeding 4.7 million and a 90% probability the return will exceed 1.1 million. Average to below average pink returns are anticipated to Area 3, 4 and 5 based on brood year escapements.

INTRODUCTION

This report reviews the 2013 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 2014. 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 2013. 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

2013 Salmon Forecast

The 2013 pink salmon harvest in Southeast Alaska was expected to be excellent, with a point estimate of 54 million fish and a forecast range of 42-67 million fish. Formal forecasts were not made for sub-regions or for species other than pink salmon in Southeast Alaska.

Review of the 2013 Fishing Season

Commercial fisheries harvested 57.5 million salmon in southern Southeast Alaska in 2013. 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 53.5 million (93%) pink, 2.3 million (4%) chum, 1.4 million coho (2%), 308,000 (0.5%) sockeye, and 88,000 (0.2%) Chinook salmon.

Districts 101 to 107 Purse Seine Fisheries

The management of the southern Southeast Alaska inside purse seine fishery was based on in-season pink salmon returns to Districts 101 through 107. Exceptions to this management scheme were: 1) early season openings 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 2013 until Week 32. (In the following sections "average" refers to the 1985–2012 average.)

District 101 Purse Seine Fishery

The District 101 purse seine fishery opened July 7, 2013 for the first of 17 fishing periods (Table 1). The fishery harvested 13,164,878 pink salmon, 27,380 sockeye salmon, 184,356 chum salmon, 68,733 coho salmon, and 38 Chinook salmon (Table 1). The number of days that the fishery was open was just above the treaty-period (1985-2012) average and the number of boats fishing was near average through most of the season.

The pink salmon harvest of 13,164,878 was one of the largest on record and was 234% of average. Pink salmon catches were above average in all weeks through late August. Sockeye salmon catches were well below average throughout the season and the catch of 27,380 fish was only 28% of the 1985–2012 average. The total chum salmon catch of 184,356 was also well below the long-term average. Catches of chum salmon were above average in the first two weeks of the fishery and then declined to well below average for the remainder of the season. Catches of coho salmon were above average in most weeks, but dropped below average in the final two weeks of the fishery. The total coho salmon harvest of 68,733 fish was nearly double average. The minimal harvest of 38 Chinook salmon was less than 10% of the 1985–2012 average.

District 102 Purse Seine

Limited portions of District 102 near Kendrick Bay were opened weeks 25–28 (June 16–July 13) to access returns of SSRAA enhanced summer chum salmon returning to Kendrick Bay. The fishery was open for 87 hours in weeks 25–27 and 93 hours in week 28. Between 13 and 51 seine vessels fished individual openings in this time period, harvesting 345,000 chum salmon (Table 2). The traditional seine fishery in District 102 targeting local stocks of pink salmon opened Sunday July 14 (Week 29). During the traditional fishing period there were 16 openings that were nearly all 39 hours in duration (Table 2). The number of boats fishing the district was greatest in the late June and early July fishery directed on enhanced chum salmon, and in early August, when pink salmon catches were at a peak (Table 2).

The District 102 purse seine fishery harvested 9,620,529 pink salmon, 40,584 sockeye salmon, 538,015 chum salmon, 82,833 coho salmon, and 969 Chinook salmon (Table 2). The number of days that the fishery was open was above average in most weeks of the fishery August, but the minimal openings targeting fall chum salmon reduced the overall number of days open in the fishery to just below the 1985–2012 average. The number of boats fishing was above average in most weeks through late July and then declined to below average numbers for the remainder of the season.

The pink salmon harvest of 9,620,529 was the second largest since 1985 and was 239% of average. Pink salmon catches were above average in all nearly all weeks of the fishery and peak catches occurred in weeks 31 to 33 (late July to mid-August). Sockeye salmon catches were well above average early in the season, but were generally well below average after mid-July. The total catch of 40,584 fish was very close to the 1985–2012 average. The total chum salmon catch of 538,015 fish was 117% of the 1985–2012 average. Catches were well above average for summer-run fish, but declined to well below average for fall-run fish after mid-August. Catches of coho salmon were above average in most weeks and the total harvest of 82,833 fish was 170% of average. The harvest of 969 Chinook salmon was over twice the 1985–2012 average.

District 103 Purse Seine

The District 103 purse seine fishery opened July 21, 2013 for the first of 13 fishing periods (Table 3). The fishery harvested 9,710,015 pink salmon, 8,092 sockeye salmon, 112,861 chum salmon, 43,244 coho salmon, and 108 Chinook salmon (Table 3). The number of days that the fishery was open and the number of boats fishing (sum of boats per week) were both above the

treaty-period (1985-2012) average and the total number of individual vessels that fished during the season (117) was slightly below average.

The pink salmon harvest of 9,701,287 was largest on record and was 251% of average. Pink salmon catches were above average in all weeks through late August. Sockeye salmon catches were well below average throughout the season and the catch of 8,092 fish was only 37% of the 1985–2012 average. The total chum salmon catch of 112,861 fish was right at the long-term average. Catches of chum salmon were above average in most weeks through late August and then declined to well below average for the remainder of the season. Catches of coho salmon were near or above average in all weeks of the fishery and the total coho salmon harvest of 43,244 fish was 144% of the 1985–2012 average. The minimal harvest of 108 Chinook salmon was only 37% of the 1985–2012 average.

District 104 Purse Seine Fishery

The District 104 purse seine fishery opens by regulation on the first Sunday in July. In 2013, the initial opening was July 7 (Week 28). The pre-week 31 fishing plan for District 104 was based on the preseason Canadian Department of Fisheries and Oceans (DFO) forecast returns of approximately 1,152,000 Nass and Skeena sockeye salmon. In the 2013 Treaty period (Alaska statistical weeks 27-30), 13,102 sockeye were harvested during one 12-hour openings in Week 28; one 12-hour openings in Week 29, and one 12-hour and one 10-hour opening in week 30 (Table 1). A total of 36 purse seine vessels fished at some time 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, therefore we would anticipate between 7,900 and 10,500 Nass and Skeena sockeye salmon may have been harvested in the District 104 purse seine fishery during the 2013 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.

In the 2013 season, the District 104 purse seine fishery harvested 10,863,894 pink salmon, 82,882 sockeye salmon, 84,330 chum salmon, 79,224 coho salmon, and 3,119 Chinook salmon (Table 4). The number of days that the fishery was open was near the treaty period (1985-2012) average and the number of boats fishing was well below average throughout the season. Chinook salmon catches in the District 104 purse seine fishery were near average following the purse seine non-retention period for Chinook salmon that lasted from the beginning of the season until week 32. Sockeye salmon catches were well below average throughout the season and the treaty-period (week 28-30) catch of 13,102 was only 13% of the 1985–2012 average. The total sockeye salmon catch of 82,882 was also well below the long-term average. Catches of coho salmon were also below average in most weeks, of the fishery. Pink salmon catches were above average most of the season, while chum salmon were below average in all weeks.

Districts 105, 106, and 107 Purse Seine Fisheries

For the 2013 season, the combined Districts 105, 106, and 107 traditional state managed purse seine fisheries harvested 5.94 million pink salmon, 224,000 chum salmon, 51,700 coho salmon, 8,500 sockeye salmon, and 58 Chinook salmon.

District 101 Tree Point Drift Gillnet Fishery

The 2009 PST agreement calls for abundance based management of the District 101 (Tree Point) drift gillnet fishery. The agreement specifies a harvest of 13.8 percent of the AAH of the Nass River sockeye run. For the 2013 season, DFO forecast a total return of 452,000 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 in-river escapement, whichever is less. The District 101 drift gillnet fishery opens by regulation on the third Sunday in June, which was June 16 in 2013. 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 run strength of 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 begins the third Sunday in July and sets gillnet fishing time in this district in relation to the District 101 purse seine fishing time. Beginning in Week 37 (September 8) management was based on the strength of wild stock fall chum and coho salmon.

The District 101 drift gillnet fishery opened Sunday June 16 (week 25) in 2013. The number of days the fishery was open was slightly above average all season. The number of boats fishing during weekly openings remained below average until late in the season. The total number of individual boats fishing during the season was 92, which was 81% of the 1985-2012 average of 113 boats. A total of 54,597 sockeye salmon were harvested, which was only 43% of the 1985-2012 average of 127,862 fish (Table 5). Catches of sockeye salmon were below treaty-period averages throughout the entire season. The cumulative sockeye salmon harvest prior to the initiation of the PSMP in Week 29 was 34,000 fish, or about 62% of the season's total sockeye salmon harvest. The final number of Nass River sockeye harvested at Tree Point will not be available until catch, escapement, and stock composition estimates are finalized for the 2013 season. In past years approximately 70% of the District 101 gillnet sockeye salmon harvest has been of Nass River origin, therefore we would anticipate that approximately 38,200 Nass River sockeye salmon may have been harvested in the District 101 gillnet fishery in 2013.

The pink salmon catch of 693,441 in the District 101 drift gillnet fishery was 137% of the average of 507,607 fish. Pink salmon catches were well above average until week 34 (August 18), but were below average late in the season. The chum salmon catch of 232,154 was 76% of the average of 306,636. Chum salmon catches were above average from weeks 25 to 28 (mid-June to early July) and then dropped to well below average for the remainder of the season. Coho salmon catches were above average all season and the total harvest of 105,631 was 227% of the treaty-period average. The Chinook salmon harvest was above average throughout the season and the catch of 2,062 was 138% of the treaty-period average.

District 106 Drift Gillnet Fishery

The 2013 harvest in the District 106 commercial gillnet fishery included 474,551 pink salmon, 160,659 coho salmon, 94,260 chum salmon, 49,223 sockeye salmon, and 2,202 Chinook salmon (Table 6). The number of hours open to fishing was above average, but the number of boats

participating in the fishery was below average early in the season and near average from late July (week 30) through the end of the season. Although there were no directed Chinook salmon fisheries early in the season, catches were generally above average from mid-June to early August. Sockeye salmon catches were well below average throughout the season and the total sockeye salmon catch of 49,223 fish was only about half of the recent ten-year average. Catches of coho salmon were above average in most weeks, and the overall harvest exceeded the recent ten-year average of 134,000 fish. Pink salmon catches were also well above average throughout the season, and the overall harvest was the largest since 1999. Chum salmon catches were below average in nearly all weeks.

Annette Island Reserve Fisheries

In 2013, the Annette Island purse seine fishery harvested 2,137,912 pink salmon, 37,862 chum salmon, 3,625 sockeye salmon, 7,834 coho salmon, and 245 Chinook salmon. The 2013 Annette Island drift gillnet fishery harvested 144,619 chum salmon, 440,104 pink salmon, 7,269 sockeye salmon, 40,881 coho salmon, and 1,151 Chinook salmon (Tables 7-8).

Pink, Sockeye, and Chum Salmon Escapements

Pink salmon returns were exceptionally strong throughout much of the region in 2013. The total 2013 Southeast Alaska pink salmon escapement index of 25.2 million index fish was the 2nd largest since 1960, and was close to doubling the recent 10-year average of 14.2 million. Biological escapement goals are in place for three subregions in Southeast Alaska and escapement goals were met or exceeded for all three subregions in 2013. On a finer scale, escapements met or exceeded management targets for all 15 districts in the region and for 45 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 101–108). The escapement index value of 14.4 million was well above the escapement goal range of 3.0 to 8.0 million index fish (Table 9) and was the largest index value since 1960. The pink salmon harvest of 53.5 million in the Southern Southeast Subregion was the second highest since 1960 and the overall Southeast Alaska pink salmon harvest of 94.8 million fish was a new all-time record.

Sockeye salmon returns throughout Southeast Alaska were mixed in 2013, with most southern stocks performing poorly. Escapement targets were met for 8 of the 13 sockeye salmon systems in Southeast Alaska with formal escapement goals. The Hugh Smith Lake adult sockeye salmon escapement was 5,950, which was below the optimal escapement goal range of 8,000 to 18,000 adult sockeye salmon. McDonald Lake sockeye salmon were recently de-listed as a “stock of management concern” at the 2012 Alaska Board of Fisheries meeting, based primarily on improved escapements since 2009. Escapements had been within the goal range from 2010 to 2012, but came in well below the lower bound of the sustainable escapement goal of 55,000 to 120,000 sockeye salmon in 2013. Based on the expanded peak foot survey count, the escapement of sockeye salmon into McDonald Lake was estimated to be 15,400 fish.

For summer-run chum salmon, lower bound sustainable escapement goals were met for two of the three subregions in Southeast Alaska. 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 54,000 index spawners (based on the aggregate peak survey to all 13 streams). Summer chum salmon escapements were well below average at some of the smaller index streams in southern Southeast Alaska, but near average at most of the larger mainland systems. The index of 84,000 in 2013 was the third consecutive index value above goal, following a series of poor escapements from 2008 to 2010.

Fall chum salmon runs in Cholmondeley Sound, Prince of Wales Island, were weak and the escapement goal was not met in 2013. Cholmondeley Sound is the only area in southern Southeast Alaska with a formal escapement goal for fall chum salmon. Fall chum salmon runs are monitored in Cholmondeley Sound through aerial surveys at Disappearance and Lagoon creeks. The escapement index of 13,000 was well below the lower bound of 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. The 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 2013 is currently estimated at 984,000. This return would have allowed a treaty-period catch in the District 104 purse seine fishery of approximately 9,150 Nass and Skeena river sockeye salmon. The 2013 total catch of sockeye salmon during the District 104 treaty period was 13,102. Annual AAH fishery performance in the District 104 fishery is presented in Table 10 with bilaterally accepted numbers through 2012 and preliminary estimates for 2013. The final number of Nass and Skeena sockeye salmon harvested in the 2013 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 River sockeye salmon minus either the escapement requirement of 200 thousand, or the actual in-river escapement, whichever is less. The 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 River 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 2013 is currently estimated at 494,000 sockeye salmon. This return would have allowed a catch in the District 101 gillnet fishery of 41,000 Nass River sockeye salmon. The 2013 total catch of sockeye salmon in the District 101 gillnet fishery was 54,597. Annual AAH fishery performance in the District 101 gillnet fishery is presented in Table 11 with bilaterally accepted numbers through 2012 and preliminary estimates for 2013. The final number of Nass River sockeye salmon harvested in the 2013 District 101 gillnet fishery will not be available until catch, escapement, and stock composition estimates are finalized for the year.

2014 Southeast Alaska Pink Salmon Forecast

The Southeast Alaska pink salmon harvest in 2014 is predicted to be in the *average* range, with a point estimate of 22 million fish (80% confidence interval: 8–36 million fish). An actual harvest of 22 million pink salmon would be well below the recent 10-year average of 41 million pink salmon, but is close to the average harvest over the past five even years. The 2014 forecast was produced in two steps: 1) a forecast of the trend in the harvest, and 2) the forecast trend adjusted using 2012 juvenile pink salmon abundance data provided by the NOAA Fisheries, Alaska Fisheries Science Center, Auke Bay Laboratories. Formal forecasts are not made for species other than pink salmon in Southeast Alaska.

NORTHERN BRITISH COLUMBIA

2013 Salmon Forecast

Area 1 Expectations

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

Pink The odd year is off-cycle for Haida Gwaii. No fisheries were anticipated.

Chum Fishing opportunities were dependent on surpluses identified in-season

Area 3 Expectations

Sockeye A below average Nass sockeye total return of 452,000 (with a 25% probability of the return exceeding 557,000 and a 75% probability the return would exceed 371,000) was expected to provide modest commercial fishing opportunities.

Pink A very poor return was expected based on very low brood year escapements.

Chum Area 3 chum stocks remain below target levels. Fishing opportunities were constrained to reduce impacts to wild chum returning to Area 3 streams.

Area 4 Expectations

Sockeye The sibling model forecast predicted a 50% probability of approximately 0.7 million sockeye returning to the Skeena in 2013 with a 25% probability of the return exceeding 1.0 million and a 75% probability the return would exceed 0.5 million. No Skeena sockeye directed commercial fisheries were anticipated in Area 4.

Pink A very poor return was expected based on very low brood year escapements.

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

Area 5 Expectations

Sockeye The sibling model forecast predicted a 50% probability of approximately 0.7 million sockeye returning to the Skeena in 2013 with a 25% probability of the return exceeding 1.0 million and a 75% probability the return would exceed 0.5 million. No Skeena sockeye directed commercial fisheries were anticipated in Area 5.

Pink A very poor return was expected based on very low brood year escapements.

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

Review of 2013 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 3). 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, sockeye and chum stocks of concern, and the PST AABM Chinook ceiling. An Individual Transferable Quota (ITQ) system governed the harvest of all Chinook. The directed Chinook fishery in portions of Area 1 was opened from June 21st to July 7th. The coho and pink directed troll fishery in Dixon Entrance was opened from July 1st to September 30th. Chum retention was only permitted for July in portions of subareas 101-4 and 101-8 with 100% head retention required for otolith thermal mark analysis and 134 otoliths subsequently submitted to the ADF&G. Sockeye retention was not permitted for the entire season due to concerns for Skeena sockeye.

The preliminary catch estimate for the Area 1 portion (includes Area 101) of the 2013 troll fishery is 224,647 coho, 84,216 pink, 301 chum and 61,364 Chinook (Table 14).

See Table 31 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 returning Nass-bound sockeye, with the first exploratory fishery of 2013 taking place on June 19th. 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 gillnet test fishery site. In 2013, fishwheel operations commenced June 2nd and closed for the season on September 13th. The 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 local pink abundance from mid-July to late August or early September. In 2013, all Area 3 net fisheries operated with a non-retention/non-possession restriction for 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, marine commercial gillnets were closed from July 8th to July 28th and the seine fishery required mandatory release (non retention/ non possession) of sockeye during the Kwinageese closure period. Due to Skeena sockeye concerns, the sockeye retention prohibition was maintained for the rest of the season.

The 2013 Area 3 gillnet fishery began June 19th (Week 25) with one 16-hour opening in portions of 3-7 and 3-12 to assess Nass River sockeye run strength. A less than average gillnet fleet size of 149 vessels (99 boat days effort) participated with 12,546 sockeye, and 360 Chinook being

harvested (Tables 15 to 17). The sockeye catch and resulting CPUE were average resulting in a second opening the next day which harvested 11,680 sockeye and 220 Chinook.

During Week 26, three 16-hour gillnet openings were permitted as CPUE's suggested a larger Nass sockeye return than the pre-season forecast. Total weekly catches were 41,903 sockeye, 889 pink and 549 Chinook.

In Week 27, there were four 16-hour gillnet openings. Good sockeye escapements through the fishwheels in the previous week had increased the in-season forecast substantially however CPUE's declined from week 26 to week 27. Pink CPUE's increased dramatically during this week. Chum bycatch retention was permitted in portions of subareas 3-3 and 3-7 around Wales Island where otolith thermal mark analysis from 2011 and 2012 had shown high proportions of US hatchery chum limiting impacts to wild chum stocks. Otoliths were collected from these openings for thermal mark analysis to determine the hatchery contribution of the catch post-season. A small fraction of the fleet fished in the chum retention area and the resulting catch was 11,931 chum (Tables 15 to 17). Coho retention was also permitted for the last 2 openings of the week as troll and net fishery indicators in AK and BC suggested an above average abundance of coho. Chinook retention was not permitted from Week 27 to the end of the season due to poor Chinook returns to the Nass River and elsewhere. Total gillnet harvests for Week 27 were 33,250 sockeye, 1,205 coho, 72,554 pink and 11,931 chum and peak fleet size was achieved during this week at 216 vessels on the first two openings (Tables 15 to 17).

In 2011 a barrier from a rock fall in the Kwinageese River was confirmed that was preventing nearly all sockeye and Chinook from migrating upstream. Concrete blocks were placed downstream of the barrier to raise the water level below the falls to allow fish passage. The 2013 sockeye return was believed to be the first with both brood years impacted from the barrier consequently gillnet were closed and sockeye retention was prohibited for seines for the peak Kwinageese migration period (July 8 to 28).

In Week 28 there were 3 openings for gillnets. Chum retention was no longer permitted as the chum retention area was closed to gillnets because of seine fisheries targeting abundant pink returns. Gillnets caught 20,904 sockeye, 583 coho, and 77,805 pink (Tables 15 to 17). The first seine fisheries of the season in Area 3 occurred in week 28. Seine openings were located around Wales Island targeting pink salmon with sockeye, chum and coho retention permitted. After the first opening occurred with high pink CPUE's, sub-area 3-11 was added to the open area for the subsequent openings. Sockeye retention was not permitted for the last two openings as the poor return of Skeena sockeye was becoming more apparent. Peak seine effort occurred during this week (67 boat-days) as effort was distributed to other Areas during the rest of the season and 6,927 sockeye, 2,823 coho, 559,169 pink and 33,897 chum were caught (Tables 18 to 20).

Week 29 was closed to gillnets as it is, on average, the peak migration period through Area 3 for Kwinageese sockeye based on DNA analysis of the Nass River fishwheels. During Week 29 there were four 16-hour seine openings in Area 3. Sockeye retention during this week was not permitted to protect Kwinageese sockeye. For the first two openings, areas closer to the Nass River were open with chum retention prohibited. The second two openings prohibited chum retention

throughout Area 3 but expanded the open area to include subareas 3-9 and 3-17. A total of 2,417 coho, 371,979 pink and 8,094 chum were caught during the week (Tables 18 to 20).

There two openings near the end of Week 30 (July 25 and 26) for gillnets with 6,025 sockeye and 37,746 pink caught (Tables 15 to 17). Gillnets were restricted to the inner portions of area 3 (portions of sub-areas 3-12 and 3-7) to avoid Skeena sockeye. There were 3 seine openings in week 30 with very little effort (17 boat-days). Sockeye and chum retention remained prohibited and the total weekly seine catch was 2,179 coho and 328,444 pink (Tables 18 to 20).

Two 16-hour gillnet openings occurred in Week 31 which had the smallest sockeye catch (6,307 sockeye, 1,529 coho and 52,799 pink) and smallest fleet size (117 boat-days) of the season (Tables 15 to 17). This was the last opening of the season for gillnets in Area 3 as in-season Nass sockeye forecasts suggested the TAC was nearly caught and concerns for wild chum. Four 16-hour seine openings occurred in Week 31 with pink and coho retention permitted only. The area open was restricted to the areas around Wales Island when gillnet openings were occurring. The total weekly seine catch was 3,906 coho and 485,193 pink (Tables 18 to 20).

There were no seine or gillnet openings in Week 33. For Week 34 there were two 16-hour seine openings with very few boats participating (3 boat-days) and the catch was quite small at 249 coho and 22,810 pink (Tables 18 to 20).

Total gillnet fishing effort was 1,457 boat days, well below the 1990-1999 average effort of 2,845 boat days and the 2000-2009 decadal average effort of 2,283 boat days. The total Area 3 seine effort of 179 boat days is also well below the 1990-1999 average of 1,271 boat days and the 2000-2009 average of 266 boat days. For gillnets there was a total of 9 days (24 hour equivalent) fishing, while seines fished for 12 days, well below the 1990-1999 averages of 28 and 15 days fishing, respectively, and the 2000-2009 averages of 13 and 12 days, respectively (Table 32). The gillnet and seine sockeye delivered catches of 113,836 and 6,927 were near the pre-season expected harvest levels. The catch of pink salmon by gillnets (293,282) and seines (2,210,279) were much higher than anticipated.

Good in-season coho abundance indicators suggested a good Nass area coho return. Portions of Area 3 (sub-areas 3-7, 3-11, 3-12 and a portion of 3-3) were open for trolling with coho and pink retention from August 6th to September 30th and Area 103 was included in the North Coast troll coho and pink directed fishery that opened July 18th. Total catch from troll in Areas 103 and 3 combined were 71,027 coho and 6,071 pink (Table 21).

Total Nisga'a Treaty and Harvest Agreement catches both in the Nass River and the marine approach areas included 68,424 sockeye, 19,370 coho, 36,081 pink, 111 chum and 4,352 Chinook. The Gitanyow First Nation harvested 7,681 sockeye, 46 coho and 52 Chinook as part of their food, social and ceremonial (FSC) fisheries in the Nass River. The Nisga'a and Gitanyow harvested an additional 8,106 sockeye as part of a demonstration inland commercial fishery.

The end of season preliminary total return to Canada (TRTC) estimates for Nisga'a Treaty accounting are 429,000 sockeye, 411,000 coho, 886,000 pink, 15,000 chum and 15,800 Chinook.

The preliminary sockeye escapement estimate to the Nass was 210,263 and was somewhat higher than the escapement target of 200,000. The Meziadin River escapement of 170,376 was somewhat above the 2000-09 decadal average (163,686) and its desired escapement target (160,000). The Kwinageese River sockeye escapement was very low at 397 but slightly higher than the partial barrier escapement years of 2009 and 2010 with escapements of 107 and 48 respectively. It is suspected that the 2008 brood year was also affected by the barrier so the 2013 return had both dominant brood years affected. Damdochax River escapements were similar to recent averages and Gingit Creek escapements continue to be near historical highs.

Area 4

The pre-season forecast for Skeena sockeye was well below average and no sockeye directed commercial fisheries were anticipated. The pre-season forecast was 0.7 million (between 0.3 and 1.4 million at the 90% and 10% probability levels) and to conduct commercial fisheries the escapement should achieve 900,000 for spawning purposes and 150,000 for First Nation's harvests for food, social, and ceremonial (FSC) purposes. In addition to the low sockeye forecast, the anticipated Skeena pink salmon return was expected to be very poor with no harvesting opportunities. In-season abundance indicators include the Tyee test fishery, various in-river fish counting facilities, harvest rate and CPUE models, First Nation's FSC 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 23rd to September 21st. The earlier than normal start to the test fishery was to assess the early-timed Chinook return.

Area 4 gillnet and seine fisheries were to operate with a non-retention/non-possession restriction for chum, and steelhead while Chinook retention remained prohibited 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 2 openings. The first opening was from June 15th to 16th for 30 hours and a second opening on June 21st for 18 hours. The total catch was 997 Chinook for the season (Table 22).

In-season estimates of Skeena sockeye returns were insufficient for any commercial fishing opportunities. Run size forecasts declined steadily through the season which triggered sport fishing closures and then First Nation's food, social and ceremonial (FSC) fishery closures. Sockeye retention in freshwater sport fisheries was never permitted in the 2013 season. Total angling bans were put in place for locations near the Babine River weir and Babine Lake spawning channels. From August 6th to 23rd sockeye retention and the use of gillnets was prohibited in First Nation's FSC fisheries throughout the Skeena River mainstem and marine approach waters.

Portions of Area 104 were open to troll for coho and pink retention from July 18th to September 30th. The total hauled catch for the 2013 season from Area 104 was 27,974 coho, and 3,016 pink (Table 24).

The preliminary run reconstructed total Skeena sockeye return was estimated to be 490,000 which is lower than the 50% probability level pre-season sibling forecast of 685,000 but above the 75% probability level of 470,000. The Skeena sockeye reconstructed net escapement estimate of 411,000 was much lower than the 2000 to 2009 average of 1.0 million and below the target escapement of 900,000. Escapements to the Pinkut spawning channel were much lower than average and egg targets were not achieved. The Fulton spawning channel was much closer to reaching egg deposition targets. Although most wild Skeena sockeye escapements were below average, their component of the aggregate escapement was 25% which is higher than recent averages of 10% to 15%.

The aggregate Area 4 pink escapement estimate of nearly a million (Table 30) was much improved over the brood year (0.3 million). The Area 4 chum escapement was poor consistent with recent years. Coho escapements throughout the Skeena were well above average and Chinook escapements were below average similar to the last few years.

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 poor returns of Area 5 pinks and Skeena sockeye. Similar to Area 4, no directed fishery for Skeena sockeye occurred in 2013. First Nation's FSC fisheries targeting local stocks caught an estimated 4,000 sockeye, 555 coho, 250 pink, 47 chum and 65 Chinook. Pink escapements were greatly improved over the brood year but insufficient for a seine fishery (Tables 28 and 34).

For troll portions of Area 105 were opened from July 18th to September 30th. A total of 179 boat days were reported in Area 105 with 32,187 coho and 4,165 pink harvested, (Table 27).

Management Performance Relative to Treaty Requirements

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

For the year 2013, Canada was to manage the Area 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 % of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon. With a Total Return of approximately 80.81 million pinks, the Alaskan Districts 101, 102 and 103 AAH was 70.06 million pinks. The resulting Area 3-1 to 3-4 Canadian commercial net total allowable catch of this AAH was approximately 1.74 million pinks of Alaskan Districts 101, 102 and 103 origin.

In the Canadian northern boundary area, pink salmon returns were anticipated to be very poor for both Area 3 and Area 4, based on brood year return strength. Actual returns to Area 3 and 4 streams were well above average. The 2013 preliminary Canadian pink salmon catch in Sub-

areas 3-1 to 3-4 was 1.25 million and the Alaska stock component of this catch is estimated to be 1.15 million, or 1.64 % of the AAH, well below the annex agreement of 2.49 %.

Area 1 Pink Troll Fishery (Preliminary)

For the year 2013, Canada was to manage the Area 1 troll fishery to achieve an annual catch share of 2.57 % of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon. The resulting Area 1 Canadian commercial troll total allowable catch of this AAH was approximately 1.80 million 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 1st to September 30th. Pink retention was also permitted during the Chinook directed fishery in parts of Area 1 which opened from June 21st to July 7th. Area 1 pink salmon directed effort was very minimal and the fishery harvested a total of 84,216 pink salmon, with an estimated 80,590 being of Alaskan origin. This equates to 0.12 % of the Alaskan District 101, 102 and 103 pink AAH, well below the annex agreement of 2.57%.

The pattern of total Area 1 weekly pink troll catch in 2013 is illustrated in Table 14.

2014 Salmon Forecast Northern British Columbia

Expectations and fishing plans for 2014 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 31.

Area 1 Expectations

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

Pink The even year cycle on Haida Gwaii has potential for surpluses. Brood year escapements were good. Fisheries will only occur on terminal surpluses identified in-season.

Chum Returns have been variable in recent years. Fisheries will only occur on terminal surpluses identified in-season.

Area 3 Expectations

Sockeye A nearly average Nass sockeye total return of 642,000 (with a 10% probability of the return exceeding 972,000 and a 90% probability the return will exceed 452,000) is expected to provide modest commercial fishing opportunities.

Pink An average return is expected based on average brood year escapements. Pink directed fisheries are likely.

Chum Area 3 chum stocks remain below target levels. Fishing opportunities will be constrained to reduce impacts to wild chum returning to Area 3 streams.

Area 4 Expectations

Sockeye The sibling model forecast predicts a 50% probability of approximately 2.3 million sockeye returning to the Skeena in 2014 with a 10% probability of the return exceeding 4.7 million and a 90% probability the return will exceed 1.1 million. An average Skeena sockeye fishery is anticipated.

Pink A below average return is expected based on brood year escapements. Pink targeted fisheries in Area 4 are not anticipated.

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

Area 5 Expectations

Sockeye Commercial fisheries targeting sockeye will depend on Skeena returns.

Pink A below average return is expected based on brood year escapements. Pink targeted fisheries in Area 5 are not anticipated.

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

TABLES

Table 1.—Weekly commercial catch and fishing effort by opening in the 2013 Alaska District 101 purse seine fishery (preliminary).

Week	Openings	Closures	Effort			Catch					Total
			Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	
28	July 7, 2013	July 7, 2013	20	15	300	0	1,047	1,815	151,732	10,690	165,284
28B	July 11, 2013	July 11, 2013	33	15	495	0	2,123	2,855	324,831	23,580	353,389
29	July 14, 2013	July 14, 2013	41	15	615	0	2,715	3,318	437,156	20,727	463,916
29B	July 18, 2013	July 18, 2013	57	15	855	0	3,986	4,787	514,264	20,778	543,815
30	July 21, 2013	July 21, 2013	37	15	555	0	2,442	2,420	506,991	10,659	522,512
30B	July 24, 2013	July 25, 2013	71	39	2,769	0	5,556	6,616	1,519,191	29,259	1,560,622
31	July 28, 2013	July 29, 2013	57	39	2,223	0	3,890	8,030	1,662,002	23,691	1,697,613
31B	August 1, 2013	August 2, 2013	43	39	1,677	0	1,556	4,154	1,166,530	8,459	1,180,699
32	August 5, 2013	August 6, 2013	42	39	1,638	0	872	2,929	1,115,806	4,617	1,124,224
32B	August 9, 2013	August 10, 2013	56	39	2,184	11	835	3,820	1,690,626	6,803	1,702,095
33	August 13, 2013	August 14, 2013	61	39	2,379	8	729	5,719	1,757,995	7,638	1,772,089
34	August 17, 2013	August 18, 2013	45	39	1,755	7	608	3,980	990,812	3,686	999,093
34B	August 21, 2013	August 22, 2013	40	39	1,560	11	522	7,137	755,366	5,423	768,459
35	August 25, 2013	August 26, 2013	25	39	975	0	331	6,064	349,349	5,161	360,905
35B	August 29, 2013	August 30, 2013	19	39	741	1	115	2,166	129,371	1,939	133,592
36	September 2, 2013	September 3, 2013	8	39	312	0	37	1,678	73,401	968	76,084
36B	September 6, 2013	September 7, 2013	4	39	156	0	16	1,245	19,455	278	20,994
Season Total			120	543	21,189	38	27,380	68,733	13,164,878	184,356	13,445,385

Table 2.—Weekly commercial catch and fishing effort by opening in the 2013 Alaska District 102 purse seine fishery (preliminary).

Week	Openings	Closures	Effort			Catch					Total
			Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	
25	June 16, 2013	June 19, 2013	37	87	3,219	752	934	3,467	1,205	18,456	24,814
26	June 23, 2013	June 26, 2013	51	87	4,437	0	2,759	4,667	14,015	53,183	74,624
27	June 30, 2013	July 3, 2013	41	87	3,567	0	7,633	9,038	186,445	159,901	363,017
28	July 7, 2013	July 7, 2013	21	15	315	0	2,682	2,371	61,514	19,792	86,359
28B	July 8, 2013	July 10, 2013	42	63	2,646	0	5,318	5,483	188,196	73,836	272,833
28C	July 11, 2013	July 11, 2013	13	15	195	0	1,108	1,394	32,223	19,374	54,099
29	July 14, 2013	July 14, 2013	9	15	135	0	688	837	22,979	18,067	42,571
29B	July 18, 2013	July 18, 2013	11	15	165	0	1,697	1,153	184,191	22,948	209,989
30	July 21, 2013	July 21, 2013	35	15	525	0	2,168	2,683	230,963	20,722	256,536
30B	July 24, 2013	July 25, 2013	21	39	819	0	2,627	2,298	284,313	23,130	312,368
31	July 28, 2013	July 29, 2013	35	39	1,365	0	3,406	3,980	1,277,182	21,084	1,305,652
31B	August 1, 2013	August 2, 2013	54	39	2,106	0	3,392	5,690	2,069,592	18,212	2,096,886
32	August 5, 2013	August 6, 2013	44	39	1,716	0	1,482	3,903	1,406,023	10,984	1,422,392
32B	August 9, 2013	August 10, 2013	33	39	1,287	191	1,488	3,974	971,906	7,018	984,577
33	August 13, 2013	August 14, 2013	25	39	975	15	866	6,653	842,830	5,198	855,562
34	August 17, 2013	August 18, 2013	20	39	780	9	657	3,598	592,969	7,315	604,548
34B	August 21, 2013	August 22, 2013	24	39	936	1	757	6,017	483,781	7,486	498,042
35	August 25, 2013	August 26, 2013	29	39	1,131	0	577	5,206	375,793	12,147	393,723
35B	August 29, 2013	August 30, 2013	28	39	1,092	1	190	3,880	271,538	11,817	287,426
36	September 2, 2013	September 3, 2013	15	39	585	0	111	3,831	97,322	5,541	106,805
36B	September 6, 2013	September 7, 2013	5	39	195	0	40	2,301	21,563	844	24,748
37	September 10, 2013	September 10, 2013	6	12	72	0	4	409	3,986	960	5,359
Season Total			129	879	28,263	969	40,584	82,833	9,620,529	538,015	10,282,930

Table 3.—Weekly commercial catch and fishing effort by opening in the 2013 Alaska District 103 purse seine fishery (preliminary).

Week	Openings	Closures	Effort			Catch					
			Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
30-30B ^a	July 21, 2013	July 25, 2013	12	54	444	0	743	1,099	106,778	3,364	111,984
31	July 28, 2013	July 29, 2013	6	39	234	0	337	1,039	250,097	3,231	254,704
31B	August 1, 2013	August 2, 2013	31	39	1,209	0	1,660	3,997	1,068,973	11,318	1,085,948
32	August 5, 2013	August 6, 2013	27	39	1,053	0	1,025	3,276	760,710	6,916	771,927
32B	August 9, 2013	August 10, 2013	25	39	975	7	395	2,665	879,119	7,663	889,849
33	August 13, 2013	August 14, 2013	33	39	1,287	24	1,112	4,674	1,733,920	9,721	1,749,451
33B	August 17, 2013	August 18, 2013	50	39	1,950	23	1,176	8,224	2,046,225	38,955	2,094,603
34	August 21, 2013	August 22, 2013	40	39	1,560	30	752	7,887	1,471,517	18,021	1,498,207
35	August 25, 2013	August 26, 2013	33	39	1,287	19	667	4,857	742,204	8,781	756,528
35B	August 29, 2013	August 30, 2013	30	39	1,170	3	149	2,802	463,343	3,206	469,503
36	September 2, 2013	September 3, 2013	14	39	546	1	60	1,245	154,145	970	156,421
36B	September 6, 2013	September 7, 2013	6	39	234	1	16	1,479	32,984	715	35,195
Season Total			117	483	11,949	108	8,092	43,244	9,710,015	112,861	9,874,320

^aOpening with fewer than three permits, confidential information so data combined in catch table.

Table 4.—Weekly commercial catch and fishing effort by opening in the 2013 Alaska District 104 purse seine fishery (preliminary).

Week	Openings	Closures	Effort			Catch					Total
			Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	
28	July 7, 2013	July 7, 2013	18	12	216	0	5,152	7,921	167,731	12,023	192,827
29	July 14, 2013	July 14, 2013	17	12	204	0	3,250	5,565	91,632	4,426	104,873
30	July 21, 2013	July 21, 2013	17	12	204	0	2,602	3,208	241,387	4,084	251,281
30B	July 24, 2013	July 24, 2013	10	10	100	0	2,098	1,584	183,946	2,982	190,610
31	July 28, 2013	July 29, 2013	27	39	1,053	3	8,011	3,445	1,211,657	6,973	1,230,089
31B	August 1, 2013	August 2, 2013	17	39	663	0	3,397	2,768	566,063	5,600	577,828
32	August 5, 2013	August 6, 2013	28	39	1,092	0	6,052	6,264	1,037,434	9,109	1,058,859
32B	August 9, 2013	August 10, 2013	34	39	1,326	729	9,943	5,800	1,266,419	7,991	1,290,882
33	August 13, 2013	August 14, 2013	50	39	1,950	1,169	19,206	9,624	2,254,693	10,851	2,295,543
33B	August 17, 2013	August 18, 2013	45	39	1,755	404	8,811	7,433	1,560,575	8,268	1,585,491
34	August 21, 2013	August 22, 2013	48	39	1,872	587	8,310	10,330	1,251,933	6,156	1,277,316
35	August 25, 2013	August 26, 2013	33	39	1,287	179	3,157	4,099	613,699	3,323	624,457
35B	August 29, 2013	August 30, 2013	17	39	663	30	2,045	4,247	296,264	1,365	303,951
36-36B ^a	September 2, 2013	September 7, 2013	15	78	585	18	848	6,936	120,461	1,179	129,442
Season Total			88	475	12,970	3,119	82,882	79,224	10,863,894	84,330	11,113,449

^aOpening with fewer than three permits, confidential information so data combined in catch table.

Table 5.—Weekly commercial catch and fishing effort by opening in the 2013 Alaska District 101 drift gillnet fishery (preliminary).

Week	Openings	Closures	Effort			Catch					
			Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
25	June 16, 2013	June 20, 2013	57	96	5,471	530	9,082	723	160	9,585	20,080
26	June 23, 2013	June 27, 2013	70	96	6,719	567	12,186	1,862	4,156	26,223	44,994
27	June 30, 2013	July 4, 2013	60	96	5,759	416	7,267	2,889	32,093	34,018	76,683
28	July 7, 2013	July 11, 2013	67	96	6,431	246	5,508	2,402	72,654	53,180	133,990
29	July 14, 2013	July 18, 2013	65	96	6,239	147	6,577	2,969	67,299	31,351	108,343
30	July 21, 2013	July 26, 2013	57	120	6,839	71	5,790	4,830	82,577	14,512	107,780
31	July 28, 2013	August 2, 2013	55	120	6,599	45	5,130	3,875	133,969	14,579	157,598
32	August 4, 2013	August 9, 2013	51	120	6,119	19	1,684	3,787	100,903	7,446	113,839
33	August 11, 2013	August 16, 2013	38	120	4,559	7	662	2,625	100,143	4,066	107,503
34	August 18, 2013	August 23, 2013	40	120	4,799	2	477	6,015	61,079	7,672	75,245
35	August 25, 2013	August 30, 2013	43	120	5,159	0	154	9,296	30,218	10,855	50,523
36	September 1, 2013	September 6, 2013	45	120	5,399	4	55	12,495	5,381	6,423	24,358
37	September 8, 2013	September 12, 2013	48	96	4,607	1	16	20,380	2,612	5,802	28,811
38	September 15, 2013	September 19, 2013	42	96	4,031	2	8	17,980	196	3,804	21,990
39	September 22, 2013	September 26, 2013	30	96	2,880	2	1	9,154	1	1,593	10,751
40	September 29, 2013	October 3, 2013	15	96	1,440	3	0	4,349	0	1,045	5,397
Season Total			92	1,704	83,051	2,062	54,597	105,631	693,441	232,154	1,087,885

Table 6.—Weekly commercial catch and fishing effort by opening in the 2013 Alaska District 106 drift gillnet fishery (preliminary).

Week	Openings	Closures	Effort			Catch					Total
			Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	
25	June 17, 2013	June 19, 2013	36	48	1,727	515	4,211	2,711	1,044	3,369	11,850
26	June 23, 2013	June 26, 2013	41	72	2,951	180	6,013	3,611	3,923	4,160	17,887
27	June 30, 2013	July 4, 2013	35	96	3,359	433	9,173	8,014	20,961	17,091	55,672
28	July 7, 2013	July 10, 2013	45	72	3,239	283	8,514	8,155	13,990	11,856	42,798
29	July 14, 2013	July 17, 2013	51	72	3,671	366	9,360	8,616	29,540	18,751	66,633
30	July 21, 2013	July 24, 2013	63	72	4,535	148	5,186	6,596	28,349	10,324	50,603
31	July 28, 2013	August 1, 2013	63	96	6,047	152	3,876	9,825	80,114	14,773	108,740
32	August 4, 2013	August 8, 2013	69	96	6,625	54	1,432	8,335	66,402	3,911	80,134
33	August 11, 2013	August 16, 2013	60	120	7,199	16	808	11,379	94,250	4,120	110,573
34	August 18, 2013	August 23, 2013	63	120	7,559	4	408	11,962	89,598	1,989	103,961
35	August 25, 2013	August 30, 2013	59	120	7,079	13	159	14,060	32,882	1,788	48,902
36	September 1, 2013	September 5, 2013	70	96	6,720	6	50	17,004	11,363	749	29,172
37	September 8, 2013	September 12, 2013	86	96	8,254	10	21	27,911	1,997	703	30,642
38	September 15, 2013	September 19, 2013	61	96	5,855	17	9	16,849	133	457	17,465
39	September 22, 2013	September 26, 2013	32	96	3,071	5	1	4,232	5	124	4,367
40-41 ^a	September 29, 2013	October 12, 2013	11	120	744	0	2	1,399	0	95	1,496
Season Total			146	1,488	78,635	2,202	49,223	160,659	474,551	94,260	780,895

Table 7.—Weekly commercial catch and fishing effort by opening in the 2013 Annette Island Reserve purse seine fishery (preliminary).

Week	Openings	Closures	Effort		Catch					
			Boats ¹	Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
26	June 23, 2013	June 23, 2013	1	15	28	42	15	64	246	395
27	June 30, 2013	June 30, 2013	1	15	39	263	314	12,237	1,795	14,648
27B	July 2, 2013	July 2, 2013	1	15	43	165	258	9,286	1,422	11,174
28	July 7, 2013	July 7, 2013	1	15	45	299	410	53,347	4,749	58,850
28B	July 9, 2013	July 9, 2013	1	15	19	160	159	15,443	1,413	17,194
28C	July 12, 2013	July 12, 2013	1	15	10	290	302	41,132	3,054	44,788
29	July 14, 2013	July 14, 2013	1	15	4	245	378	28,221	2,500	31,348
29B	July 16, 2013	July 16, 2013	1	15	10	172	357	30,897	2,387	33,823
29C	July 18, 2013	July 18, 2013	1	15	20	259	335	52,698	2,316	55,628
30	July 21, 2013	July 21, 2013	1	15	4	332	526	91,701	3,374	95,937
30B	July 23, 2013	July 23, 2013	1	15	0	101	186	70,994	1,468	72,749
30C	July 25, 2013	July 25, 2013	1	15	1	208	229	126,553	2,050	129,041
31	July 28, 2013	July 29, 2013	1	39	1	269	370	221,056	2,697	224,393
31B	August 1, 2013	August 2, 2013	1	39	3	165	531	240,147	2,071	242,917
32	August 5, 2013	August 6, 2013	1	39	6	150	343	209,173	837	210,509
32B	August 8, 2013	August 9, 2013	1	39	2	112	268	198,908	765	200,055
33	August 11, 2013	August 12, 2013	1	39	1	129	374	200,006	900	201,410
33B	August 14, 2013	August 15, 2013	1	39	4	143	754	207,522	1,327	209,750
34	August 18, 2013	August 19, 2013	1	39	3	79	610	173,661	797	175,150
34B	August 22, 2013	August 23, 2013	1	39	1	26	491	119,207	1,223	120,948
35	August 26, 2013	August 27, 2013	1	39	1	16	271	35,659	432	36,379
38	September 15, 2013	September 15, 2013	1	15	0	0	299	0	32	331
40	September 29, 2013	September 29, 2013	1	15	0	0	54	0	7	61
Season Total				561	245	3,625	7,834	2,137,912	37,862	2,187,478

¹All 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 8.—Weekly commercial catch and fishing effort by opening in the 2013 Annette Island Reserve gillnet fishery (preliminary).

Week	Openings	Closures	Effort		Catch					
			Boats ¹	Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
24	June 9, 2013	June 11, 2013	1	48	32	58	52	2	439	583
25	June 16, 2013	June 19, 2013	1	72	214	253	135	495	2,680	3,777
26	June 23, 2013	June 26, 2013	1	72	166	509	280	1,701	4,739	7,395
27	June 30, 2013	July 4, 2013	1	96	285	1,431	787	16,380	10,421	29,304
28	July 7, 2013	July 12, 2013	1	120	264	2,197	1,895	36,198	51,760	92,314
29	July 14, 2013	July 19, 2013	1	119	123	1,160	1,462	25,553	31,254	59,552
30	July 21, 2013	July 26, 2013	1	120	47	592	1,094	33,335	13,709	48,777
31	July 28, 2013	August 2, 2013	1	120	9	482	620	67,903	4,394	73,408
32	August 4, 2013	August 9, 2013	1	120	7	277	625	61,946	3,303	66,158
33	August 11, 2013	August 16, 2013	1	120	3	140	883	90,026	2,838	93,890
34	August 18, 2013	August 23, 2013	1	120	1	134	1,877	76,513	5,848	84,373
35	August 25, 2013	August 29, 2013	1	96	0	35	2,359	24,878	5,095	32,367
36	September 1, 2013	September 5, 2013	1	96	0	1	5,156	5,174	2,551	12,882
37	September 8, 2013	September 11, 2013	1	72	0	0	9,451	0	2,727	12,178
38	September 15, 2013	September 18, 2013	1	72	0	0	4,824	0	1,393	6,217
39	September 22, 2013	September 25, 2013	1	72	0	0	5,009	0	972	5,981
40	September 29, 2013	October 2, 2013	1	72	0	0	4,372	0	496	4,868
Season Total				1,607	1,151	7,269	40,881	440,104	144,619	634,024

¹All 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 2013 (in millions).

Stock group	District	Pink salmon index 2013	Management target		Met minimum escapement	Recent 10-year average
			lower	upper		
E Behm	101	2.90	0.67	1.77	+	1.71
Portland	101	1.06	0.1	0.28	+	0.33
W Behm	101	1.10	0.25	0.66	+	0.56
Kasaan	102	1.98	0.24	0.64	+	0.82
Moirá	102	0.62	0.05	0.13	+	0.11
E Dall	103	0.53	0.13	0.36	+	0.30
Hetta	103	1.86	0.3	0.79	+	0.65
Klawock	103	1.79	0.42	1.11	+	1.09
Sea Otter Sound	103	0.37	0.1	0.28	+	0.21
Affleck Canal	105	0.55	0.14	0.38	+	0.29
Shipley Bay	105	0.41	0.11	0.28	+	0.23
Burnett	106	0.18	0.05	0.14	+	0.12
Ratz Harbor	106	0.19	0.04	0.12	+	0.14
Totem Bay	106	0.13	0.05	0.13		0.09
Whale Pass	106	0.14	0.07	0.18		0.13
Anan	107	0.42	0.21	0.57		0.42
Union Bay	107	0.14	0.05	0.12	+	0.11
Stikine	108	0.08	0.02	0.06	+	0.06
District Total	101	5.07	1.02	2.71	+	2.60
District Total	102	2.59	0.29	0.77	+	0.94
District Total	103	4.56	0.95	2.54	+	2.25
District Total	105	0.96	0.25	0.66	+	0.52
District Total	106	0.63	0.21	0.57	+	0.48
District Total	107	0.56	0.26	0.69		0.53
District Total	108	0.08	0.02	0.06	+	0.06
Southern Southeast Alaska Total		14.45	3.00	8.00		7.4 million

Table 10.—Preliminary annual allowable harvest (AAH) calculations for the Alaska District 104 Week 27-30 purse seine fishery, 1999-2013.

Year	Nass/Skeena Total Return	Nass/Skeena Escapement	Allowable		Total Pre- Week 31 Sockeye Harvest	Actual Nass/Skeena Harvest	Overage/ Underage Per Year	Cumulative: +overage / (-underage)
			Allowable Nass/ Skeena AAH	Dist. 104 Nass/Skeena Harvest (2.45%)				
1999	1,771,048	936,705	834,343	20,441	7,664	3,232	-17,209	-17,209
2000	5,318,228	1,100,000	4,218,228	103,347	48,969	29,221	-74,126	-91,335
2001	4,965,291	1,100,000	3,865,291	94,700	203,090	167,854	73,154	-18,181
2002	2,776,502	1,051,333	1,725,169	42,267	26,554	18,627	-23,640	-41,820
2003	3,306,520	1,100,000	2,206,520	54,060	84,742	44,258	-9,802	-51,622
2004	2,621,000	1,100,000	1,521,000	37,265	30,758	19,233	-18,032	-69,653
2005	1,770,474	1,000,144	770,330	18,873	35,690	19,442	569	-69,085
2006	3,650,525	1,100,000	2,550,525	62,488	89,615	68,940	6,452	-62,632
2007	2,752,074	1,100,000	1,652,074	40,476	112,135	75,615	35,139	-27,493
2008	2,531,701	1,100,000	1,431,701	35,077	6,262	4,880	-30,197	-57,690
2009	1,602,959	1,053,858	549,101	13,453	15,971	10,128	-3,325	-61,015
2010	1,395,616	956,954	438,662	10,747	4,617	1,091	-9,656	-70,671
2011	2,487,985	1,100,000	1,387,985	34,006	25,280	16,599	-17,407	-88,078
2012	2,737,173	1,100,000	1,637,173	40,111	18,300	9,598	-30,513	-118,590
2013 ^a	984,441	611,000	373,441	9,149	13,102	n/a	n/a	n/a

^a Preliminary information pending completion of run reconstruction analyses.

Table 11.—Preliminary annual allowable harvest (AAH) calculations for the Alaska District 101 gillnet fishery, 1999-2013.

Year	Nass River Total Return	Nass River Escapement	Allowable Nass River AAH	Allowable Alaska Harvest (13.8%)	Total District 101 Gillnet		Actual Nass River Alaska Harvest	Overage/ Underage Per Year	Cumulative: +overage / (-underage)
					Seasonal Sockeye Harvest				
1999	842,806	200,000	642,806	88,707	160,028		129,794	41,087	41,087
2000	625,983	200,000	425,983	58,786	94,651		46,305	-12,481	28,606
2001	580,616	167,258	413,358	57,043	80,041		55,096	-1,947	26,659
2002	1,403,976	200,000	1,203,976	166,149	120,353		90,553	-75,596	-48,937
2003	1,177,472	200,000	977,472	134,891	105,263		72,942	-61,949	-110,886
2004	986,098	200,000	786,098	108,482	142,357		110,340	1,858	-109,028
2005	666,880	200,000	466,880	64,429	79,725		55,319	-9,110	-118,138
2006	775,110	200,000	575,110	79,365	62,770		47,948	-31,417	-149,555
2007	602,208	164,745	437,463	60,370	66,822		46,369	-14,001	-163,556
2008	380,397	200,000	180,397	24,895	34,113		24,359	-536	-164,092
2009	575,336	200,000	375,336	51,796	69,859		55,270	3,474	-160,618
2010	438,941	200,000	238,941	32,974	62,680		26,613	-6,361	-166,979
2011	556,710	200,000	356,710	49,226	88,618		55,122	5,896	-161,083
2012	476,821	200,000	276,821	38,201	62,342		38,983	782	-160,301
2013 ^a	494,441	200,000	294,441	40,633	54,589		n/a	n/a	n/a

^a Preliminary information pending completion of run reconstruction analyses.

Table 12.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 1 gillnet fishery (preliminary).

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

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 1 seine fishery (preliminary).

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

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 1/101 troll fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook***	Total	Boat Days*	Hours Open	Days Fishing**
24	62	Jun. 15	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
25	63	Jun. 22	CLOSED	CLOSED	2,780	CLOSED	18,093	20,873	214	48	2
26	64	Jun. 29	CLOSED	CLOSED	8,477	CLOSED	22,828	31,305	695	168	7
27	71	Jul. 06	CLOSED	2,864	9,459	47	16,461	28,831	561	168	7
28	72	Jul. 13	CLOSED	4,208	7,509	135	1,538	13,390	106	168	7
29	73	Jul. 20	CLOSED	68,370	16,878	33	2,444	87,725	395	168	7
30	74	Jul. 27	CLOSED	72,237	14,006	37	CLOSED	86,280	588	168	7
31	75	Aug. 03	CLOSED	25,167	8,945	49	CLOSED	34,161	262	168	7
32	81	Aug. 10	CLOSED	24,550	8,058	CLOSED	CLOSED	32,608	231	168	7
33	82	Aug. 17	CLOSED	16,297	7,104	CLOSED	CLOSED	23,401	196	168	7
34	83	Aug. 24	CLOSED	6,754	743	CLOSED	CLOSED	7,497	120	168	7
35	84	Aug. 31	CLOSED	988	128	CLOSED	CLOSED	1,116	21	168	7
36	91	Sept. 07	CLOSED	1,663	122	CLOSED	CLOSED	1,785	19	168	7
37	92	Sept. 14	CLOSED	647	6	CLOSED	CLOSED	653	11	168	7
38	93	Sept. 21	CLOSED	861	1	CLOSED	CLOSED	862	9	168	7
39	94	Sept. 28	CLOSED	41	0	CLOSED	CLOSED	41	1	168	7
40	101	Oct. 05	CLOSED	0	0	CLOSED	CLOSED	0	0	48	2
41	102	Oct. 12	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
Totals			0	224,647	84,216	301	61,364	370,528	3,429	2,448	102

2013 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.–Weekly commercial catch and fishing effort in the 2013 Canadian Area 3 Entrance (subareas 1-4) gillnet fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
26	64	Jun. 29	Closed	Closed	Closed	Closed	Closed	0	0	0	0
27	71	Jul. 06	1743	103	9735	3580	Closed	15,161	37	64	4
28	72	Jul. 13	Closed	Closed	Closed	Closed	Closed	0	0	0	0
Totals			1,743	103	9,735	3,580	0	15,161	37	64	4

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 3 Inside (subareas 7-17) gillnet fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
24	62	Jun. 15	Closed	Closed	Closed	Closed	Closed	0	0	0	0
25	63	Jun. 22	24,226	Closed	27	Closed	580	24,833	197	32	2
26	64	Jun. 29	41,903	Closed	889	Closed	549	43,341	417	48	3
27	71	Jul. 06	31,507	1,102	62,819	8,351	Closed	103,779	477	64	4
28	72	Jul. 13	20,904	583	77,805	Closed	Closed	99,292	271	48	3
29	73	Jul. 20	Closed	Closed	Closed	Closed	Closed	0	0	0	0
30	74	Jul. 27	11,472	1,139	89,235	Closed	Closed	101,846	139	32	2
31	75	Aug. 03	6,307	1,529	52,799	Closed	Closed	60,635	117	32	2
32	81	Aug. 10	Closed	Closed	Closed	Closed	Closed	0	0	0	0
Totals			112,093	4,353	283,547	8,351	549	408,893	1,421	224	14

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian total Area 3 gillnet fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
24	62	Jun. 15	Closed	Closed	Closed	Closed	Closed	0	0	0	0
25	63	Jun. 22	24,226	Closed	27	Closed	580	24,833	197	32	2
26	64	Jun. 29	41,903	Closed	889	Closed	549	43,341	417	48	3
27	71	Jul. 06	33,250	1,205	72,554	11,931	Closed	118,940	514	64	4
28	72	Jul. 13	20,904	583	77,805	Closed	Closed	99,292	271	48	3
29	73	Jul. 20	Closed	Closed	Closed	Closed	Closed	0	0	0	0
30	74	Jul. 27	11,472	1,139	89,235	Closed	Closed	101,846	139	32	2
31	75	Aug. 03	6,307	1,529	52,799	Closed	Closed	60,635	117	32	2
32	81	Aug. 10	Closed	Closed	Closed	Closed	Closed	0	0	0	0
Totals			113,836	4,456	293,282	11,931	549	424,054	1,457	224	14

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 3 Entrance (subareas 1-4) seine fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
27	71	Jul. 06	Closed	Closed	Closed	Closed	Closed	0	0	0	0
28	72	Jul. 13	3,508	1,370	308,764	24,173	Closed	337,815	38	64	4
29	73	Jul. 20	Closed	1,366	212,683	4,518	Closed	218,567	14	64	4
30	74	Jul. 27	Closed	820	157,156	Closed	Closed	157,976	9	48	3
31	75	Aug. 03	Closed	1,843	244,373	Closed	Closed	246,216	13	64	4
32	81	Aug. 10	Closed	3,644	316,859	Closed	Closed	320,503	27	48	3
33	82	Aug. 17	Closed	Closed	Closed	Closed	Closed	0	0	0	0
34	83	Aug. 24	Closed	0	0	Closed	Closed	0	0	32	2
35	84	Aug. 31	Closed	Closed	Closed	Closed	Closed	0	0	0	0
Totals			3,508	9,043	1,239,835	28,691	0	1,281,077	102	288	18

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 3 Inside (subareas 7-17) seine fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
27	71	Jul. 06	Closed	Closed	Closed	Closed	Closed	0	0	0	0
28	72	Jul. 13	3,419	1,453	250,405	9,724	Closed	265,001	29	64	4
29	73	Jul. 20	Closed	1,051	159,296	3,576	Closed	163,923	10	64	4
30	74	Jul. 27	Closed	1,359	171,288	Closed	Closed	172,647	8	48	3
31	75	Aug. 03	Closed	2,063	240,820	Closed	Closed	242,883	16	64	4
32	81	Aug. 10	Closed	1,348	148,635	Closed	Closed	149,983	14	48	3
33	82	Aug. 17	Closed	Closed	Closed	Closed	Closed	0	0	0	0
34	83	Aug. 24	Closed	249	22,810	Closed	Closed	23,059	3	32	2
35	84	Aug. 31	Closed	Closed	Closed	Closed	Closed	0	0	0	0
Totals			3,419	7,274	970,444	13,300	0	994,437	77	288	18

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian total Area 3 seine fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
27	71	Jul. 06	Closed	Closed	Closed	Closed	Closed	0	0	0	0
28	72	Jul. 13	6,927	2,823	559,169	33,897	Closed	602,816	67	64	4
29	73	Jul. 20	Closed	2,417	371,979	8,094	Closed	382,490	24	64	4
30	74	Jul. 27	Closed	2,179	328,444	Closed	Closed	330,623	17	48	3
31	75	Aug. 03	Closed	3,906	485,193	Closed	Closed	489,099	29	64	4
32	81	Aug. 10	Closed	4,992	465,494	Closed	Closed	470,486	41	48	3
33	82	Aug. 17	Closed	Closed	Closed	Closed	Closed	0	0	0	0
34	83	Aug. 24	Closed	249	22,810	Closed	Closed	23,059	3	32	2
35	84	Aug. 31	Closed	Closed	Closed	Closed	Closed	0	0	0	0
Totals			6,927	16,317	2,210,279	41,991	0	2,275,514	179	288	18

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 3/103 troll fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook***	Total	Boat Days*	Hours Open	Days Fishing**
24	62	Jun. 15	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
25	63	Jun. 22	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
26	64	Jun. 29	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
27	71	Jul. 06	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
28	72	Jul. 13	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
29	73	Jul. 20	CLOSED	619	0	CLOSED	CLOSED	619	4	72	3
30	74	Jul. 27	CLOSED	767	0	CLOSED	CLOSED	767	6	168	7
31	75	Aug. 03	CLOSED	414	415	CLOSED	CLOSED	829	11	168	7
32	81	Aug. 10	CLOSED	5,733	2,692	CLOSED	CLOSED	8,425	74	168	7
33	82	Aug. 17	CLOSED	8,793	1,407	CLOSED	CLOSED	10,200	100	168	7
34	83	Aug. 24	CLOSED	10,935	1,039	CLOSED	CLOSED	11,974	125	168	7
35	84	Aug. 31	CLOSED	12,116	434	CLOSED	CLOSED	12,550	160	168	7
36	91	Sept. 07	CLOSED	10,915	58	CLOSED	CLOSED	10,973	141	168	7
37	92	Sept. 14	CLOSED	9,479	23	CLOSED	CLOSED	9,502	106	168	7
38	93	Sept. 21	CLOSED	8,675	1	CLOSED	CLOSED	8,676	75	168	7
39	94	Sept. 28	CLOSED	2,581	2	CLOSED	CLOSED	2,583	57	168	7
40	101	Oct. 05	CLOSED	0	0	CLOSED	CLOSED	0	0	48	2
41	102	Oct. 12	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
Totals			0	71,027	6,071	0	0	77,098	859	1,800	75

2013 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 22.—Weekly commercial catch and fishing effort in the 2013 Canadian total Area 4 gillnet fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook	Total	Boat Days*	Hours Open	Days Fishing**
23	61	Jun. 08	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
24	62	Jun. 15	CLOSED	CLOSED	0	CLOSED	392	392	111	30	2
25	63	Jun. 22	CLOSED	CLOSED	8	CLOSED	605	613	88	18	1
26	64	Jun. 29	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
Totals			0	0	8	0	997	1,005	199	48	3

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian total Area 4 seine fishery (preliminary).

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

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 4/104 troll fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook***	Total	Boat Days*	Hours Open	Days Fishing**
24	62	Jun. 15	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
25	63	Jun. 22	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
26	64	Jun. 29	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
27	71	Jul. 06	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
28	72	Jul. 13	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
29	73	Jul. 20	CLOSED	6,485	479	CLOSED	CLOSED	6,964	31	72	3
30	74	Jul. 27	CLOSED	6,796	763	CLOSED	CLOSED	7,559	39	168	7
31	75	Aug. 03	CLOSED	2,954	632	CLOSED	CLOSED	3,586	19	168	7
32	81	Aug. 10	CLOSED	7,609	1,130	CLOSED	CLOSED	8,739	45	168	7
33	82	Aug. 17	CLOSED	1,102	0	CLOSED	CLOSED	1,102	8	168	7
34	83	Aug. 24	CLOSED	0	0	CLOSED	CLOSED	0	0	168	7
35	84	Aug. 31	CLOSED	73	0	CLOSED	CLOSED	73	1	168	7
36	91	Sept. 07	CLOSED	348	0	CLOSED	CLOSED	348	1	168	7
37	92	Sept. 14	CLOSED	1,633	8	CLOSED	CLOSED	1,641	7	168	7
38	93	Sept. 21	CLOSED	974	4	CLOSED	CLOSED	978	6	168	7
39	94	Sept. 28	CLOSED	0	0	CLOSED	CLOSED	0	0	168	7
40	101	Oct. 05	CLOSED	0	0	CLOSED	CLOSED	0	0	48	2
41	102	Oct. 12	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
Totals			0	27,974	3,016	0	0	30,990	157	1,800	75

2013 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 25.—Weekly commercial catch and fishing effort in the 2013 Canadian total Area 5 gillnet fishery (preliminary).

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

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian total Area 5 seine (preliminary).

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

2013 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.—Weekly commercial catch and fishing effort in the 2013 Canadian Area 5/105 troll fishery (preliminary).

Julian Week	Stat Week	Ending Date	Sockeye	Coho	Pink	Chum	Chinook***	Total	Boat Days*	Hours Open	Days Fishing**
24	62	Jun. 15	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
25	63	Jun. 22	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
26	64	Jun. 29	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
27	71	Jul. 06	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
28	72	Jul. 13	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
29	73	Jul. 20	CLOSED	821	0	CLOSED	CLOSED	821	7	72	3
30	74	Jul. 27	CLOSED	7,172	182	CLOSED	CLOSED	7,354	28	168	7
31	75	Aug. 03	CLOSED	9,292	1,095	CLOSED	CLOSED	10,387	47	168	7
32	81	Aug. 10	CLOSED	8,887	1,934	CLOSED	CLOSED	10,821	57	168	7
33	82	Aug. 17	CLOSED	6,015	954	CLOSED	CLOSED	6,969	39	168	7
34	83	Aug. 24	CLOSED	0	0	CLOSED	CLOSED	0	0	168	7
35	84	Aug. 31	CLOSED	0	0	CLOSED	CLOSED	0	1	168	7
36	91	Sept. 07	CLOSED	0	0	CLOSED	CLOSED	0	0	168	7
37	92	Sept. 14	CLOSED	0	0	CLOSED	CLOSED	0	0	168	7
38	93	Sept. 21	CLOSED	0	0	CLOSED	CLOSED	0	0	168	7
39	94	Sept. 28	CLOSED	0	0	CLOSED	CLOSED	0	0	168	7
40	101	Oct. 05	CLOSED	0	0	CLOSED	CLOSED	0	0	48	2
41	102	Oct. 12	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0	0	0	0
Totals			0	32,187	4,165	0	0	36,352	179	1,800	75

2013 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 28.—Preliminary annual allowable harvest (AAH) calculations for Canadian Area 3 Entrance (1-4) net fishery, 1999 -2013.

	Year														
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	20,770,059	31,674,423	80,812,217
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	14,216,273	32,020,713
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	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	10,020,059	20,924,423	70,062,217
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	201,754	150,740	1,249,570
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	180,930	127,120	1,149,168
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%	1.81%	0.61%	1.64%
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%	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	249,499	521,018	1,744,549
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)	(68,569)	(393,898)	(595,381)
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)	(1,561,101)	(1,954,999)	(2,550,380)

Table 29.—Preliminary annual allowable harvest (AAH) calculations for Canadian Area 1/101 troll fishery, 1999 - 2013.

	Year														
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	20,770,059	31,674,423	80,812,217
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	14,216,273	32,020,713
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	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	10,020,059	20,924,423	70,062,217
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	44,193	48,223	84,216
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	41,631	44,739	80,590
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%	0.42%	0.21%	0.12%
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%	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	257,516	537,758	1,800,599
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)	(215,885)	(493,019)	(1,720,009)
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)	(8,153,284)	(8,646,302)	(10,366,311)

Table 30.—Escapements to Canadian Areas 3, 4, and 5 in 2013 (preliminary).

Area	Sockeye	Coho	Pink	Chum	Chinook
3	210,263	322,173	597,198	14,140	9,306
4	411,373	53,671	960,000	1,347	26,757
5	28,592	946	171,174	912	62
Totals	650,228	376,790	1,728,372	16,399	36,125

Table 31.—Pre-season salmon forecast, for Canadian Areas 1, 3, 4, and 5 in 2013.

Area	Species	Forecasted Return to Canada
Area 1	Sockeye Pink	Unknown Good
Area 3	Sockeye Pink	539,000 Average
Area 4	Sockeye Pink	2,256,000 Below Average
Area 5	Sockeye Pink	Unknown Below Average

Table 32.—Annual gillnet and seine effort for Canadian Areas 1, 3, 4, and 5, 1980-2013.

YEAR	GEAR	AREA 1		AREA 3		AREA 4		AREA 5	
		BOAT DAYS	DAYS* FISHING	BOAT DAYS	DAYS FISHING	BOAT DAYS	DAYS FISHING	BOAT DAYS	DAYS FISHING
1980	GN	0	0	2,980	20	5,726	13	852	15
	SN	0	0	912	20	6	2	158	15
1981	GN	0	0	2,127	26	13,170	26	552	11
	SN	0	0	1,189	26	401	8	49	11
1982	GN	0	0	3,155	34	8,799	18	548	17
	SN	0	0	1,649	34	827	6	197	17
1983	GN	6	12	2,377	22	4,699	15	501	14
	SN	108	12	2,157	22	0	0	55	14
1984	GN	18	27	2,929	23	7,705	22	435	15
	SN	543	27	1,580	20	761	6	355	14
1985	GN	74	24	813	21	12,504	26	169	16
	SN	241	24	1,099	17	819	9	241	12
1986	GN	345	27	1,125	25	6,095	21	529	23
	SN	328	35	1,221	24	94	8	389	22
1987	GN	39	13	1,015	19	5,803	17	192	13
	SN	156	13	1,780	18	215	7	269	12
1988	GN	56	18	727	18	14,141	23	305	17
	SN	190	16	888	15	273	4	229	15
1989	GN	20	11	1,525	26	8,638	28	428	22
	SN	78	11	1,059	18	70	18	87	17
1990	GN	12	17	977	26	8,583	32	282	21
	SN	215	17	556	15	60	20	296	15
1991	GN	16	13	1,813	36	10,931	25	375	24
	SN	64	5	2,958	18	178	7	228	18
1992	GN	68	21	2,527	31	12,110	25	368	24
	SN	239	16	1,016	18	197	10	128	17
1993	GN	26	15	3,692	43	10,909	22	183	22
	SN	15	15	1,816	16	329	12	71	13
1994	GN	82	16	3,443	23	8,130	20	430	12
	SN	164	7	698	9	0	0	5	1
1995	GN	270	29	4,305	31	12,062	19	434	22
	SN	322	7	2,536	15	484	9	154	13
1996	GN	19	18	4,433	36	13,487	25	507	26
	SN	79	15	1,117	20	975	14	347	19
1997	GN	536	23	2,759	23	9,558	21	269	20
	SN	313	8	809	15	172	11	25	13
1998	GN	5	11	1,197	16	1,041	6	47	3
	SN	12	2	204	9	0	0	4	0
1999	GN	1	5	3,300	17	238	3	0	0
	SN	0	0	1,001	15	26	2	6	2
2000	GN	15	4	2,321	17	5,150	19	164	3
	SN	0	0	282	12	544	9	54	11
2001	GN	2	1	1,031	11	5,380	19	86	12
	SN	0	0	244	13	393	9	57	11
2002	GN	2	2	2,882	19	3,559	13	43	11
	SN	7	2	294	15	218	15	64	15
2003	GN	0	0	3,417	17	2,484	8	27	5
	SN	0	0	210	15	118	9	32	11
2004	GN	0	3	3,241	13	1,581	6	78	5
	SN	0	0	448	13	218	13	28	7
2005	GN	0	0	2,645	16	198	2	0	0
	SN	0	0	291	18	0	0	19	6
2006	GN	7	5	3,487	15	6,376	17	71	13
	SN	0	0	236	7	682	16	3	6
2007	GN	0	0	1,694	9	1,796	7	11	2
	SN	0	0	478	15	85	9	82	15
2008	GN	0	0	595	7	2,213	9	18	7
	SN	0	0	61	3	274	14	10	1
2009	GN	0	0	1,517	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	1,070	6	7	5
	SN	0	0	109	4	117	9	0	0
2012	GN	0	0	831	6	922	5	9	3
	SN	0	0	110	5	79	5	0	0
2013	GN	0	0	1,457	9	199	2	0	0
	SN	0	0	179	12	0	0	0	0
AVG 00-09	GN	3	1	2,283	13	2,892	10	50	6
	SN	1	0	266	12	256	10	36	9
	TOTAL	3	2	2,549	25	3,149	20	86	15
AVG 90-99	GN	104	17	2,845	28	8,705	20	290	17
	SN	142	9	1,271	15	242	8	126	11
	TOTAL	246	26	4,116	43	8,947	28	416	28
AVG 80-89	GN	56	13	1,877	23	8,728	21	451	16
	SN	164	14	1,353	21	347	7	203	15
	TOTAL	220	27	3,231	45	9,075	28	654	31

* BOAT DAYS are represented in 24-hour format.

* DAYS FISHING are represented in 24-hour format.

Table 33.—Annual salmon escapements for Canadian Area 1 (2013 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
2012	19,050	UNK	207,200	4,000	UNK
2013	9,000	UNK	35,000	1,000	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 escapements for Canadian Area 3 (2013 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	192,584	3,257	61,948	9,979	2,926
2012	159,112	9,295	351,131	16,886	2,483
2013	210,263	322,173	597,198	14,140	9,306
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 escapements for Canadian Area 4 (2013 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	890,829	35,338	268,774	3,705	34,190
2012	1,100,573	29,771	241,029	2,254	34,213
2013	411,373	53,671	960,000	1,347	26,757
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 escapements for Canadian Area 5 (2013 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	1,760	1,330	41,975	732
2012	3,590	740	81,708	649
2013	28,592	946	171,174	912
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

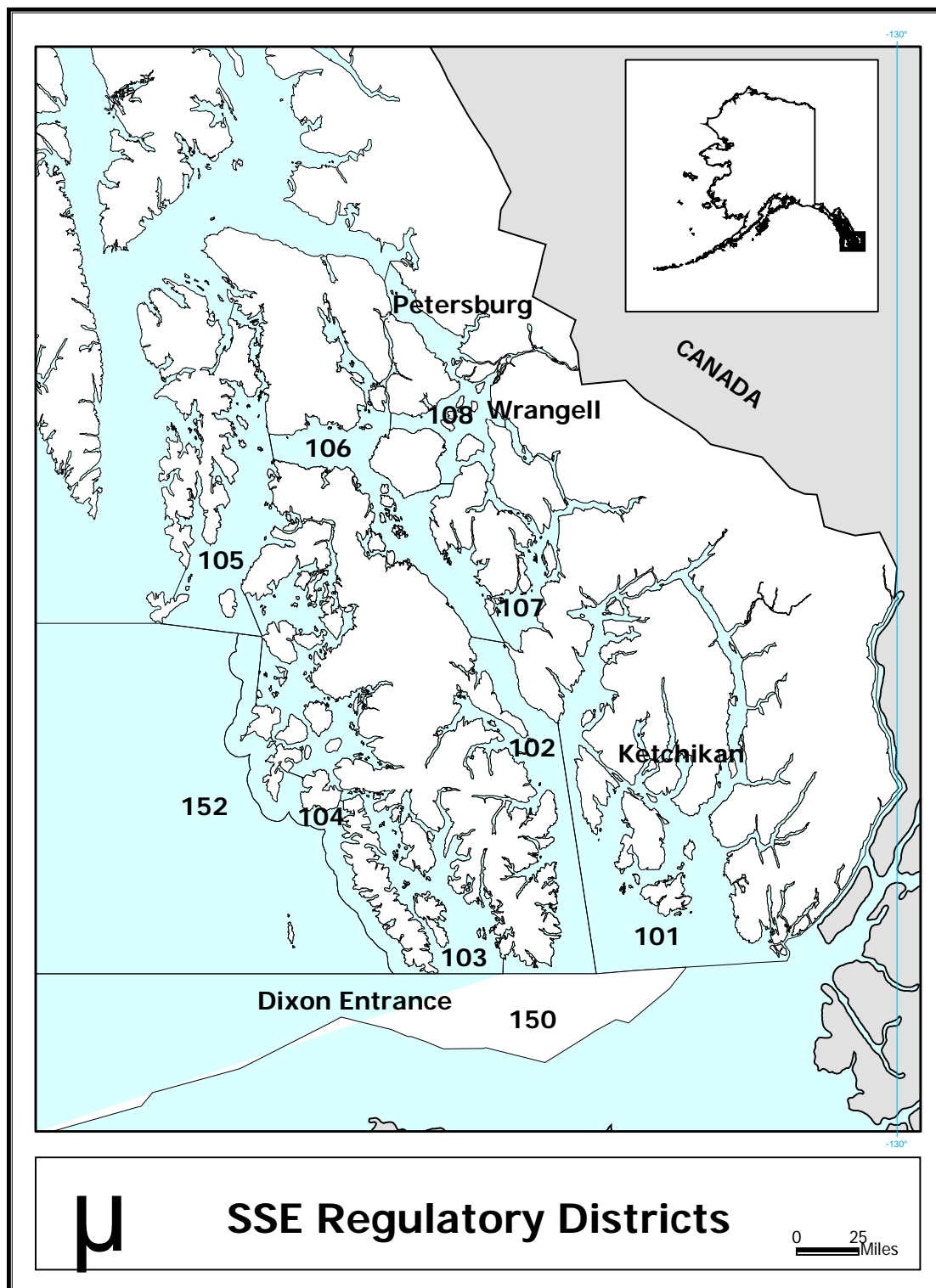


Figure 1.—Alaska Department of Fish and Game Southern Southeast Alaska regulatory districts.

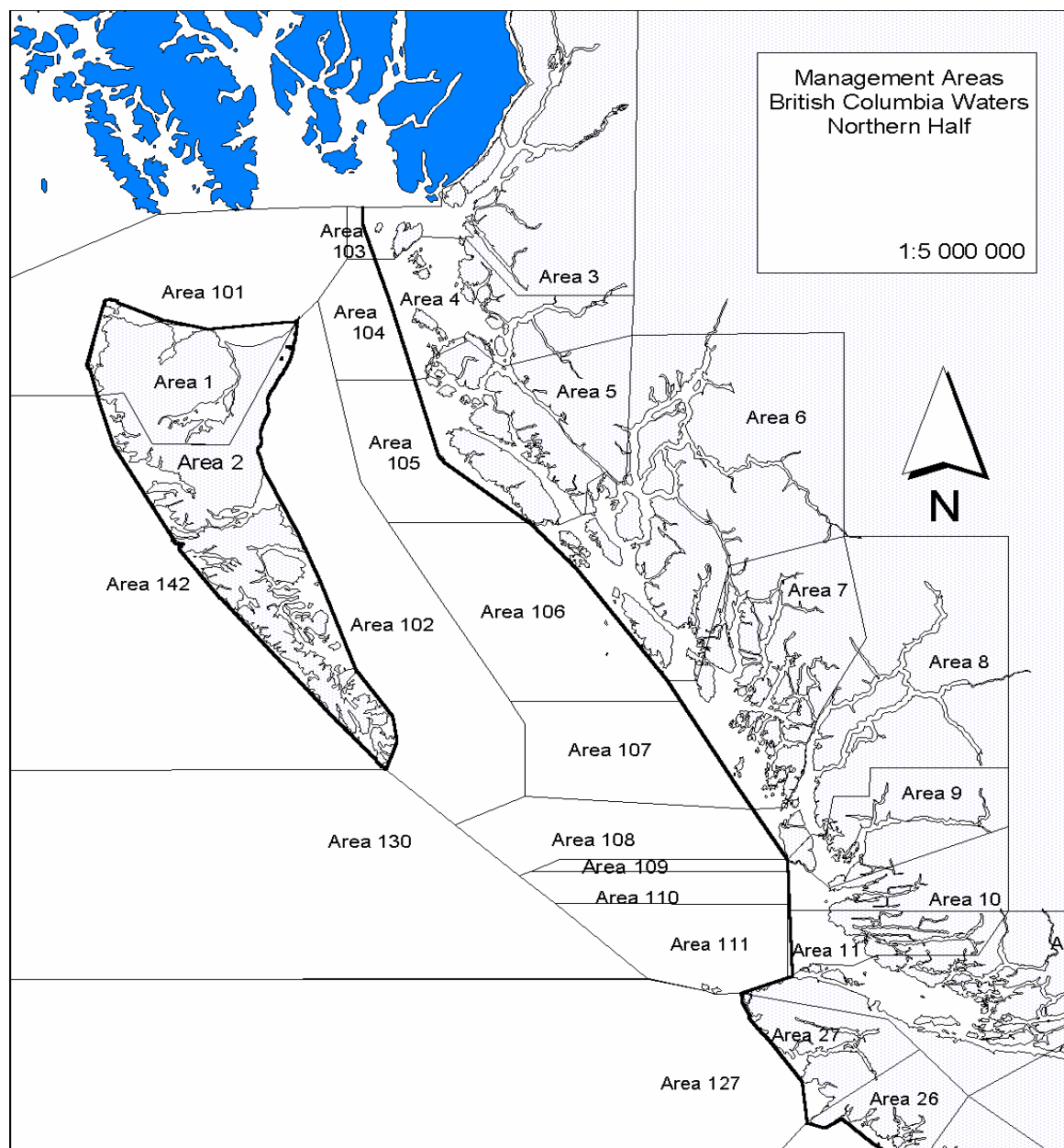


Figure 3.—Canadian Statistical Areas 1-10, Northern British Columbia.

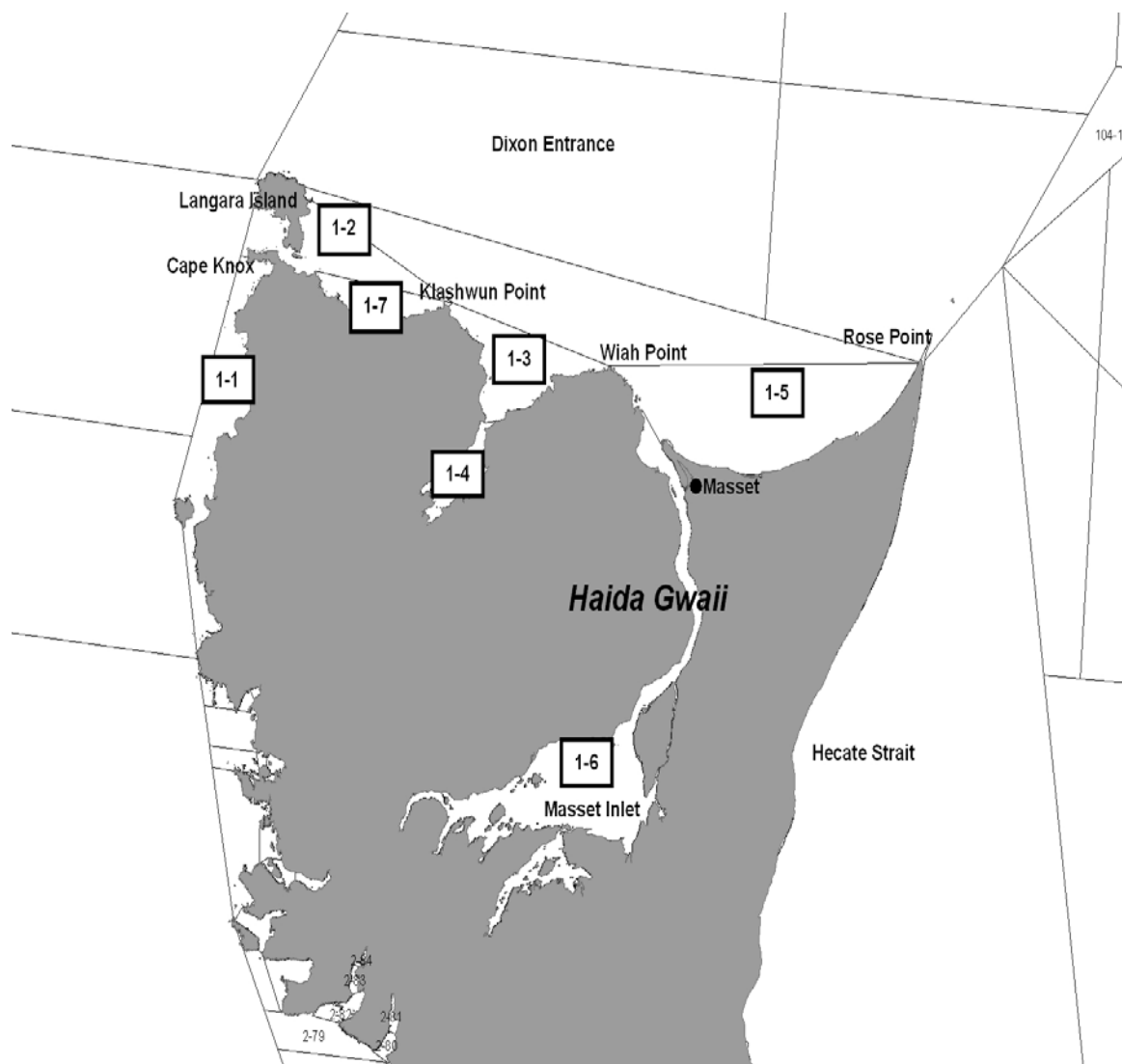


Figure 4.—Canadian Statistical Area 1 management sub-areas.

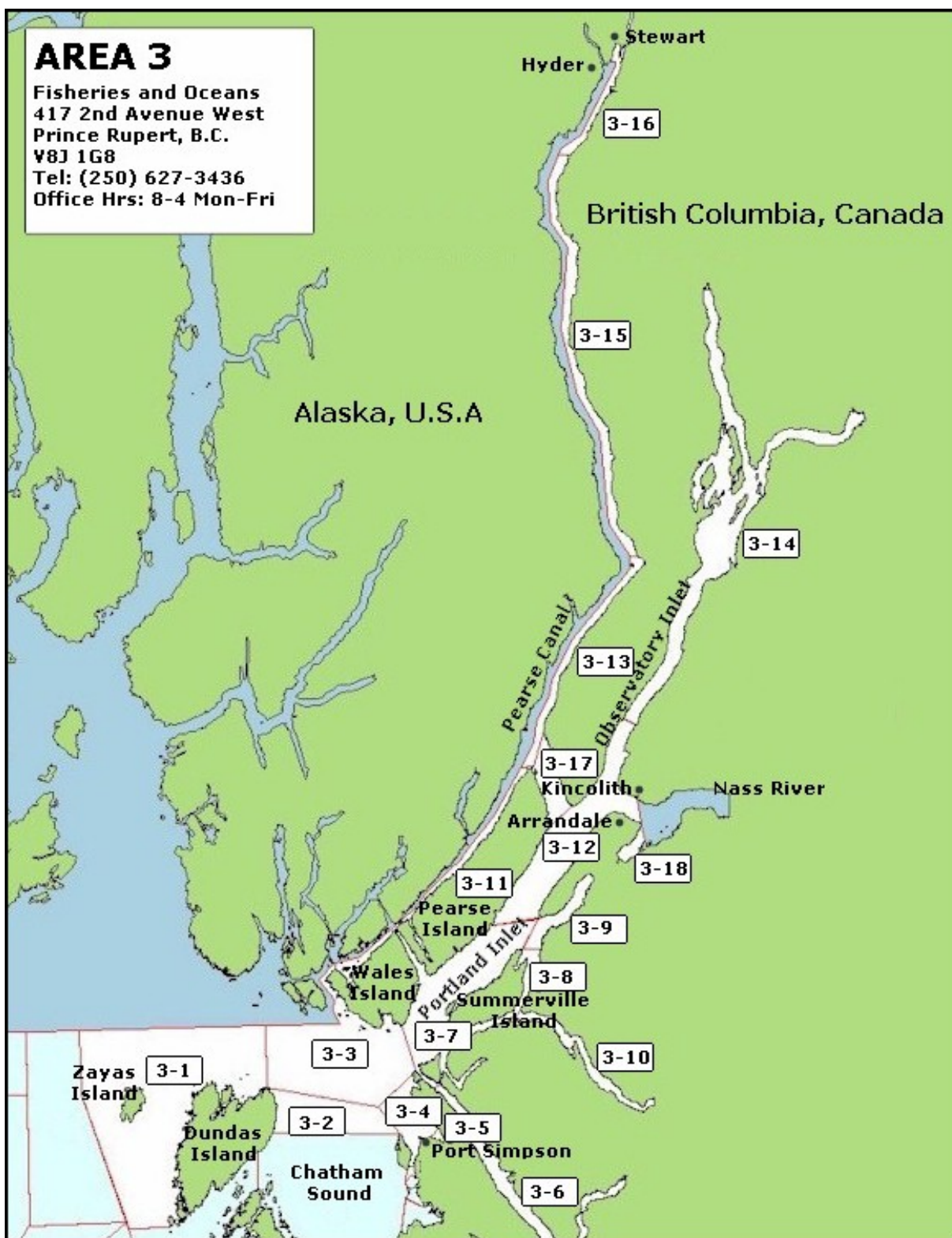


Figure 5.—Canadian Statistical Area 3 management sub-areas.



Figure 6.—Canadian Area 4 management sub-areas.

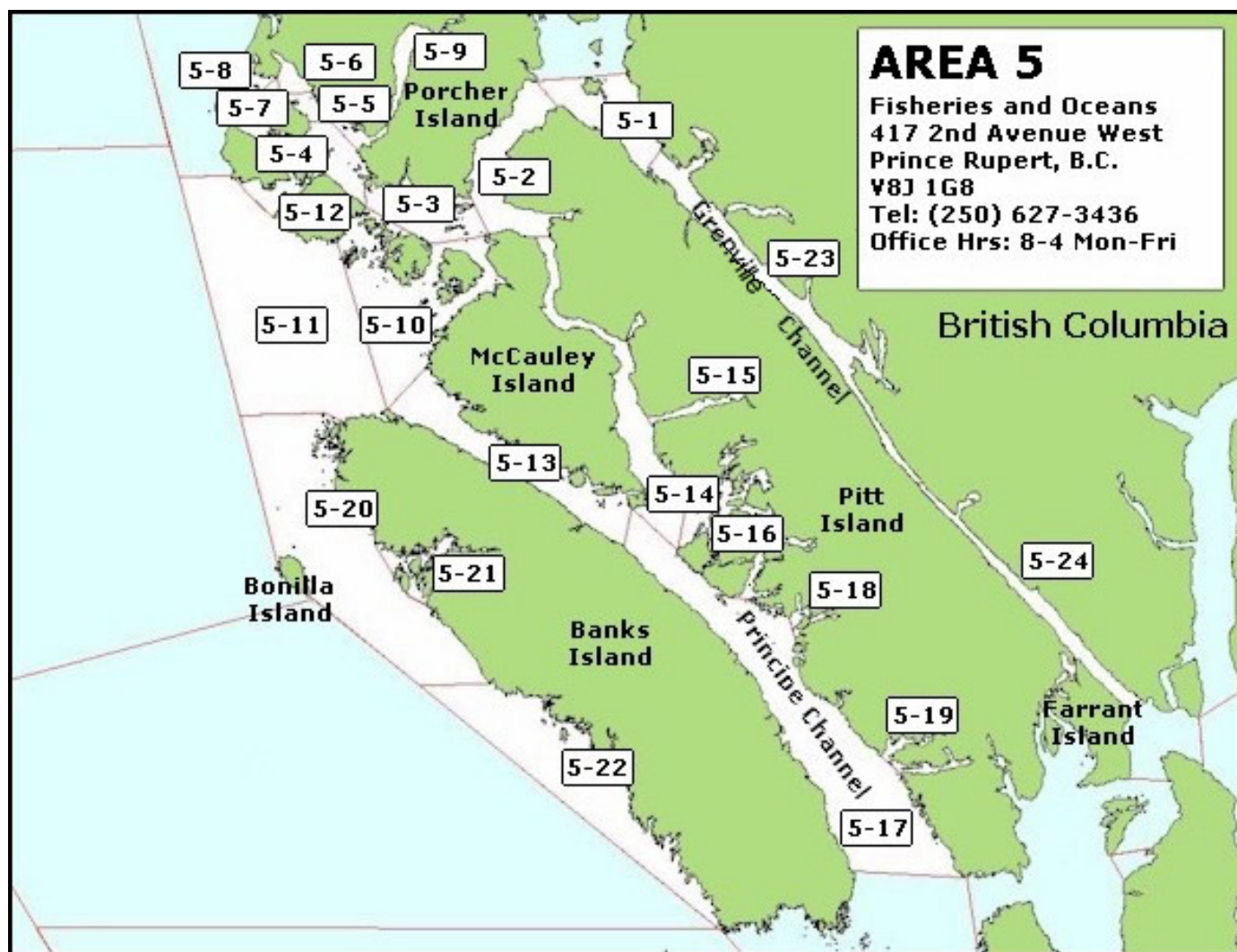


Figure 7.—Canadian Statistical Area 5 management sub-areas.