

**PACIFIC SALMON COMMISSION
NORTHERN BOUNDARY TECHNICAL COMMITTEE**

REPORT TCNB (05)-1

**U.S./CANADA NORTHERN BOUNDARY AREA
2004 SALMON FISHERIES MANAGEMENT REPORT
AND 2005 PRELIMINARY EXPECTATIONS**

January 2005

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EXECUTIVE SUMMARY

This report reviews:

- 1) catch, effort, and management actions in the 2004 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 2005.

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

2004 Fisheries

In southern Southeast Alaska the 2004 harvest of pink salmon was 20.9 million, which is 67% of the recent 10-year average of 31.1 million. The southern Southeast pink salmon escapement index of 8.5 million pink salmon was near the upper range of the biological escapement goal of 4.0 to 9.0 million. Southern Southeast Alaska commercial fisheries also harvested 2.2 million chum salmon (10-year avg. is 3.2 million); 1.0 million sockeye (10-year avg. is 1.2 million); and 0.9 million coho salmon (10-year avg. is 1.0 million).

The total Southeast Alaska pink salmon harvest was 45.0 million, which was close to the preseason forecast 50 million (range 24-76 million). In northern inside Southeast Alaska the escapement index of 5.2 million was within the range of 2.5 to 5.5 million. In northern outside Southeast the index of 2.1 million was above the range of 0.75 to 1.75 million.

In the North Coast of British Columbia, sockeye returns were below average for the Skeena sockeye aggregate (total Area 4 commercial net catch was 177,924). Commercial net catch for Nass area sockeye (409,597) was above average, while the estimated escapement of 217,271 was above the 200,000 target. An estimated 921,338 sockeye passed through the Babine fence and enhanced Babine stocks achieved target capacity in the Pinkut and Fulton spawning channels. Meanwhile, returns of non-enhanced Babine stocks were variable. Returns to the Morice and Kitwanga systems were below desired levels but showed improvement over recent years, with estimated escapements of 6,500 and 1,264, respectively. Pink returns were average in Area 3 and below average in the Skeena (total Areas 3 and 4 net catch 1.1 million). Pink escapements were below target in Areas 3, 4 and 5. Low chum abundance in Areas 3 to 5 resulted in low escapements and catches. Management actions were in place to minimize chum mortality

throughout the Areas 3 to 5 net fishing season. The Area 1 troll fishery harvested 27,751 pinks, with low catches attributed to low effort.

MANAGEMENT PERFORMANCE

The June 1999 revision of the Pacific Salmon Treaty restructured the agreements for the Northern Boundary area fisheries – Alaska District 104 purse seine, Alaska District 101 drift gillnet, Canadian Area 3 net, and Canadian Area 1 troll. The new agreements are “abundance based” where the allowable harvest is a percent of annual allowable harvest (AAH). In Alaska’s District 104 purse seine fishery, the Nass and Skeena sockeye run size determines the allowable harvests of these stocks prior to Statistical Week 31. In Alaska’s District 101 gillnet fishery, the AAH is based solely on the Nass sockeye run. The abundance 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. Historical stock specific abundance and catch and effort data by district, gear, species, and week will no longer be included in this annual report to allow for easier and less cumbersome reporting. These tables can be referenced in *Pacific Salmon Commission, Northern Boundary Technical Committee Report, U.S. / Canada Northern Boundary Area 1999 Salmon Fisheries Management Report and 2000 Preliminary Expectations*. Report TCNB (01)-1, January 2001. If the historical catch and escapement numbers are modified, they will be added as an appendix in a future annual report.

The District 101 (Tree Point) drift gillnet fishery is under a Pacific Salmon Treaty abundance based management agreement. The agreement specifies a harvest of 13.8 percent of the AAH of the Nass sockeye run. For the 2004 season, DFO forecast a total run of about 750,000 Nass River sockeye salmon. The AAH is calculated as the total run of Nass sockeye salmon minus either the escapement requirement of 200 thousand or the actual in-river escapement, whichever is less.

The District 101 drift gillnet fishery opens by regulation on the third Sunday in June. During the early weeks of the fishery, management is based on the run strength of Alaska wild stock chum and sockeye salmon and on the strength of the Nass River sockeye salmon. Beginning in the third week of July, when pink salmon stocks begin to enter the fishery in large numbers, management emphasis shifts by regulation to that species. By regulation, the District 101 Pink Salmon Management Plan sets gillnet fishing time in this district in relation to the District 101 purse seine fishing time when both fleets are concurrently harvesting the same pink salmon stocks. In 2004, the cumulative sockeye harvest prior to the initiation of the Pink Salmon Management Plan in Week 30 was 102 thousand fish, or about 71% of the total seasonal harvest.

The District 104 purse seine fishery opens the first Sunday in July; in 2004 the initial opening was July 4 (Week 28) The pre-Week 31 fishing plan for District 104 was based on the Canadian Department of Fisheries and Oceans (DFO) preseason forecast returns of about 750,000 Nass River sockeye salmon and 1.2 million Skeena River sockeye salmon. The preseason forecasts result in a total projected return of 2 million Nass and Skeena sockeye which would result in an AAH of about 900,000. Using this forecast, the pre-Week 31 allowable harvest was approximately 19,000 Nass and Skeena sockeye salmon.

For the year 2004, Canada was to manage the 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103

pink salmon.

In the Canadian northern boundary area, average pink salmon returns were anticipated for Area 3 (2 million) and for Area 4 (2.5 million). Actual Area 3 returns were above average while the abundance of Area 4 pinks was less than anticipated, with a weaker than expected showing from the late component. As has been the case for the previous 2 years, strong returns were expected for the SE Alaska pink stocks adjacent to the northern boundary area. With a Total Run of 34,766,827 Alaska District 101, 102 and 103 pink salmon in 2004, the AAH for the Area 3(1-4) net fleet was 598,019 pink salmon of Alaska District 101, 102 and 103 origin. The 2004 Canadian pink catch in Sub-areas 3-1 to 3-4 was 402,459, with a preliminary estimate of the Alaska stock component of this catch being 326,693, or 1.36 % of the AAH. This is below the allotted 2.49 % of the AAH.

The total Canadian pink catch of 402,459 in sub-areas 3-1 to 3-4 is much lower than the 1985-2000 average catch of 1.46 million. The below average harvest resulted from a combination of below average returns of Skeena area pink stocks and management restraints on Canadian net fisheries in Sub areas 3-1 to 3-4 to reduce the harvest of less abundant Skeena coho stocks. The percentage of the 2004 Area 3 net catch taken in sub-areas (1-4) was 42.3%, which was well below the 1985-2000 average of 58%.

Pink escapements in 2004 were 542,500 in Area 3 and 647,921 in the Skeena.

In addition, Canada was to manage the Area 1 troll fishery to achieve an annual catch share of 2.57 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon. With a Total Run of 34,766,827 Alaska District 101, 102 and 103 pink salmon in 2004, the AAH for the Area 1 troll fishery was set at 617,232 pieces.

The Canadian commercial troll fishery was open in the northern portion of Area 1 from July 15-22 and July 23-31. The fishery harvested a total of 27,751 pink salmon, with an estimated 24,543, or 88.4%, being of Alaskan origin. This equates to 0.10% of the AAH of 617,232 Alaskan Districts 101, 102 and 103 pink salmon, well below the annex agreement for 2.57 percent.

2005 Forecast

The 2005 pink salmon return to Southeast Alaska is expected to be strong. The Alaska Department of Fish and Game's forecast is for a harvest estimate of 49 million pink salmon for all of Southeast Alaska in 2003, with a range of 25-72 million (80% C.I.). Formal forecasts are not made for species other than pink salmon in Southeast Alaska.

Nass sockeye returns in 2005 are forecast to be 860 thousand. For the Skeena, the sibling model forecast predicts a 50% probability of 1.53 million sockeye returning to the Skeena in 2005, with a 25% probability of the return exceeding 2.2 million and a 75% probability the return will exceed 1.1 million. Nass area pink streams are predicted to have a surplus 2 million available for harvest while Area 4 pink returns are expected to be above average, with a projected surplus of 3 million fish.

INTRODUCTION

This report reviews the 2004 Boundary Area pink, chum, and sockeye salmon net and troll fisheries of southern Southeast (SSE) Alaska and Northern British Columbia and outlines preliminary expectations and fishing plans for 2005. 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 district or area, gear, and species (sockeye, pink, chum, coho, and chinook) for Northern Boundary Area fisheries for 2004. Sub-area catch data is also presented for all salmon species for Canadian Area 3. Canadian catch data for 2003 were based on hail data, as sales slip numbers had not been finalized at the time of this report. Maps showing the statistical fishing districts or areas for southern Southeast Alaska and Northern British Columbia are provided in Figures 1 to 4.

SOUTHERN SOUTHEAST ALASKA

2004 Salmon Forecast

The 2004 pink salmon harvest in Southeast Alaska was expected to be strong. The Alaska Department of Fish and Game's forecast was for a harvest of 50 million, with a forecast range of 24-76 million (80% confidence interval). Formal forecasts were not made for species other than pink salmon in Southeast Alaska.

Review of the 2004 Fishing Season

Commercial fisheries harvested 25.2 million salmon in southern Southeast Alaska in 2004. This includes purse seine, drift gillnet, troll, and hatchery harvests from Districts 101 to 108, 150, 152, and salmon harvests in the Annette Island Fishery Reserve. The harvest was comprised of 20.9 million (83%) pink salmon, 2.2 million (9%) chum, 1.0 million (4%) sockeye, 0.9 million (4%) coho, and 0.1 million (0.5%) chinook salmon. Historical catch and effort data by district, gear, species, and week will no longer be reported each year. They can be referenced in *Pacific Salmon Commission, Northern Boundary Technical Committee Report, U.S. / Canada Northern Boundary Area 1999 Salmon Fisheries Management Report and 2000 Preliminary Expectations*. Report TCNB (01)-1, January 2001. If historical numbers are modified, they will be added as an appendix in a future annual report.

Districts 101, 102, and 103 Purse Seine Fisheries

The management of the southern Southeast Alaska inside purse seine fishery was based on inseason pink salmon returns to Districts 101 through 107. Exceptions to this management scheme were: 1) an early season opening in lower District 102 to target Southern Southeast Regional Aquaculture Association's (SSRAA) Kendrick Bay summer chum salmon; and 2) a District 102 directed fall chum salmon fishery.

Total pink salmon returns to most of southern Southeast Alaska were strong in 2004.

The harvest in southern Southeast Alaska could have been higher, however, most of the processing companies put the purse seine fleet on harvest limits during most of the month of August. At least two companies set total harvest limits for the company; those limits were then allocated amongst their purse seine fleet. Each company needed to adjust its fleet's harvest limits, fishing time, and fishing areas to adjust to the new fishing schedule.

In 2004 the District 101 purse seine fishery initially opened Sunday July 4th and was subsequently open several times each week through the final opening on September 1.

Pink salmon returns to District 101 were strong overall in 2004. The total harvest of 7.5 million pink salmon was above the 1985-2003 averages. In general the pink salmon return was earlier than average and the weight of the pinks was above average. Overall average weight was approximately 3.8 pounds.

In District 101 the number of purse seine vessels fishing in District 101 ranged from a low of 9 during the initial July 4 opening to a high of 50 in the August 6 opening (Table 1). Catches were above the treaty period (1985-2003) average. In 2004 the catch of 7.5 million pink salmon the District 101 purse seine fishery was above the above the treaty period average of 6.3 million. The sockeye catch of 125 thousand was above the treaty period average of 122 thousand. The chum catch of 572 thousand was above the treaty period average of 345 thousand and the catch of 46 thousand coho salmon was above the average of 41 thousand.

The peak week for harvest occurred in Statistical Week 32 (August 1st – 7th) when 2.43 million pink salmon were harvested. After that opening, harvests dropped slightly largely due to trip limits imposed on the purse seine fleet by the processing companies and fewer boats fishing in the district. Returns to Carroll Inlet, George Inlet, portions of West Behm Canal, and Boca de Quadra were very strong.

In 2004, there were no openings to target McDonald Lake sockeye salmon in upper West Behm Canal. A test fishery was conducted near Yes Bay on July 28, 2004.. The catch of 72 sockeye was below average and no directed commercial fishery took place in 2004. The estimated escapement into McDonald Lake is 21,000 sockeye, which is well below lower range needed for escapement. This is the third time in the past four years that the escapement goal has not been reached at McDonald Lake.

As in the past several years District 102 was opened early in Week 26 (June 20) to target Kendrick Bay summer chum salmon (Table 2). During the first three weeks the fishery was opened for four openings of 87-hours, 87-hours, 15-hours, and 63-hours. 11,000 chum, 8,500 pink, 2,000 coho, and 3,300 sockeye were harvested outside of the Kendrick Bay SHA by 10 boats

The first directed pink salmon purse seine fishery in District 102 began on July 4th. The number of boats fishing ranged from zero in two openings to a high of 34 in the August 19 opening. The 2004 pink salmon catch of 3.1 million was below the treaty period (1985-2003) average. The sockeye catch of 46 thousand was above the average of 45 thousand. The coho catch of 42 thousand was below the average of 53 thousand while the chum catch of 409 thousand was below the average of 427 thousand.

The number of purse seine vessels fishing District 102 early in the season was low but began to increase in early August along with the catch of pink salmon. Several hundred thousand pink salmon were caught in each of eight openings between August 4th and August 24th.

Pink salmon returns were especially strong to Cholmondeley Sound, Kasaan Bay, and Thorne Bay.

Directed purse seine fishing on wild stock fall chum salmon returns were limited to District 102 and 103 in 2004. This fishery targets chum salmon returning to watersheds primarily in Cholmondeley Sound, however Section 3-A (Cordova Bay) was also opened as an experimental fall fishery. Fall chum fishing began on September 10th and closed on October 3rd in District 102. As in recent years the migration of chum salmon was early and condensed. . For the season approximately 75,000 Fall chum were harvested, which is below the long-term average. Chum escapement into Disappearance and Lagoon Creek were at or above needed escapement levels.

No boats fished the initial 2004 District 103 purse seine opening occurred in Week 30 (July 18) and both fishing effort and catch remained low in subsequent through late July. In early August the number of boats fishing began increasing to peak at 28 in the August 14th opening. The catch of pink salmon also began to increase in early August and peaked at 450 thousand in the August 14 opening. Between 100-400 thousand pink salmon were caught in each of eight openings between August 4th and August 24th.

The total 2004 District 103 commercial purse seine catch of pink salmon was 1.8 million which was below the treaty period (1985-2003) average of 4.0 million (Table 3). The sockeye catch of 24 thousand was above the average of 18 thousand. The coho catch of 17 thousand was below the average of 32 thousand while the chum catch of 121 thousand was above the treaty period average of 117 thousand.

District 104 Purse Seine Fishery

The District 104 purse seine fishery opens the first Sunday in July; in 2004, the initial opening was July 4 (Week 28). The 2004 pre-Week 31 fishing plan for District 104 was based on the Canadian Department of Fisheries and Oceans (DFO) preseason forecast total returns of about 750,000 Nass and 1.2 million Skeena sockeye salmon. The preseason forecasts resulted in a total projected return of about 1.85 million which, minus an escapement goal of 1.1 million, would result in an AAH of 0.75 million. Using this forecast, the 2004 pre-Week 31 allowable catch (2.45% of the AAH) was about 18,000 Nass and Skeena sockeye salmon.

In the 2004 treaty period 30,758 sockeye were harvested in: 1) two 10-hour openings in Week 28; 2) two 12-hour openings in Week 29; and 3) two 12-hour and one 39-hour openings in Week 30 (Table 1). The number of purse seine vessels fishing ranged from 3 to 14 in individual openings during the period covered by the Treaty. In past years scale pattern analysis estimated that 60% to 80% of early season sockeye were of Nass and Skeena origin. Thus, we would anticipate that between 18,455 and 24,606 Nass and Skeena sockeye were harvested in the District 104 purse seine fishery during the treaty period. The final targeted number of Nass and Skeena sockeye, and the actual catch by stock, will not be available until catch, escapement, stock composition, and run reconstruction estimates are finalized for the year.

While other purse seine fisheries are not bound by the Treaty, the fleet moves freely between districts, so seining opportunities elsewhere can affect the catch and effort in District 104.

The average numbers of hours, boats, days, and boat-days fished pre-Week 31 in District 104 since the Pacific Salmon Treaty was signed in 1985 are down 55%, 50% and 79% respectively compared to the 1980-1984 period (Table 2). The pre-Week 31 treaty-period sockeye harvest is also down 30% despite a 275% increase in the average sockeye catch-per-boat-day since 1984.

In 2004 the District 104 purse seine fishery harvested 4,144,000 pink salmon, 349,000 sockeye, 90,000 coho, 200,000 chum, and 23,600 Chinook salmon. The number of boats that fished in District 104 was 60, less than half the 1985-2003 average. The 2004 sockeye catches were 59%, coho catches were 62% pink catches were 40%, and chum catches were 52% of their respective 1985-2003 averages.

Districts 105, 106, and 107 Purse Seine Fisheries

For the 2004 season, the combined Districts 105, 106, and 107 purse seine fisheries harvested 2,900,000 pink salmon, 163,000 coho, 43,000 sockeye, and 500 Chinook salmon. These catches were relatively low compared to those in the southern portion of the Boundary Area.

District 101 Tree Point Drift Gillnet Fishery

The District 101 drift gillnet fishery opens by regulation on the third Sunday in June (Table 5). During the early weeks of the fishery, management was 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 pink salmon. The District 101 Pink Salmon Management Plan sets gillnet fishing time in relation to the District 101 purse seine fishing time when both fleets are concurrently harvesting the same pink salmon stocks.

The 2004 harvest in the District 101 commercial gillnet fishery included 2,000 Chinook, 142,000 sockeye, 31,000 coho, 245,000 pink, and 111,000 chum salmon (Table 6).

The District 101 gillnet fishery was initially opened Sunday June 20 (Week 26) for a 4-day fishery with weekly 4-day fisheries continuing through Week 29. Beginning July 18 (Week 30) with the

implementation of the Pink Salmon Management Plan, the fishery was open 5-days a week through September 4th (Week 36). The fishery was then open 3-days a week for the remaining three weeks of the season closing at the end of September. Catches of sockeye, chum, pink and coho salmon were below the 1985-2003 average. The cumulative sockeye harvest prior to the initiation of the

Pink Salmon Management Plan in Week 30 was 101,725 fish, or about 71% of the season's total sockeye harvest.

The weekly gillnet sockeye catch in District 101 was above average early in the season, falling to below average beginning in early July. Coho catch was about average until August when it fell below average for the remainder of the season. Pink catch was below average throughout most of the season. Chum catches were about average until September when they rose to above average for the remainder of the season.

During the period (Weeks 30-36) when the Pink Salmon Management Plan was in effect catches of sockeye, coho, pink and chum salmon were generally below average.

Beginning on September 5 the fishery was managed on the strength of fall chum and coho returns; fall chum catch was above average while fall coho catches were below average. The below average catches are more a reflection of the reduced effort at Tree Point in 2004 more than a resource problem.

Approximately 142,000 sockeye salmon were harvested in the District 101 drift gillnet fishery in 2004 (Table 5). The sockeye harvest and number of boat-hours and boats fished was below the 1985-2003 average and the hours fished was above average. The number of boats fishing annually since the Treaty was signed has dropped from a high of 198 in 1986 to 71 in 2003. 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 2004 season.

District 106 Drift Gillnet Fishery

The 2004 harvest in the District 106 commercial gillnet fishery included 2,700 Chinook, 116,000 sockeye, 139,000 coho, 245,000 pink, and 111,000 chum salmon (Table 6). District 106 catches of all species were below the 1994-2003 average harvest.. Lower catches can be partially attributed to low effort in the district. An estimated 40 % of the coho salmon harvest was of Alaskan hatchery origin.

Annette Island Reserve Fisheries

For 2004 , the Annette Island purse seine and gillnet fisheries harvested approximately 716 thousand pink, , 98 thousand chum, 29 thousand coho, 31 thousand sockeye and 1,600 chinook salmon.

Pink, Sockeye, and Chum Salmon Escapements

The pink salmon escapement index of 8.5 million pink salmon was near the upper range of the biological escapement goal of 4.0 to 9.0 million for southern Southeast Alaska (Table 9). Escapement indices for southern Southeast Alaska by District were all within or above management targets. Escapement indices for all but 2 of the 18 southern Southeast Alaska pink salmon stock groups were also within, or above, management targets.

The Hugh Smith Lake adult sockeye escapement was just under 20,000, and exceeded the upper end of the recently established biological escapement goal range of 8,000 to 18,000 adult sockeye salmon. The escapement of sockeye salmon into McDonald Lake was estimated to be 21 thousand fish, based on the expanded foot survey index. This is the smallest estimated escapement since 1979, and the 3rd year in the past 4 that the escapement has been below the escapement goal range of 65,000 to 85,000 sockeye salmon. Klawock Lake had a minimum weir count of 11,000 sockeye salmon. However, a mark-recapture estimate has not been finalized.

Escapements of summer and fall run chum salmon appeared to be about average in 2004, and were up from 2003. The escapement of chum salmon into Fish Creek at the head of Portland Canal was estimated to be 91,000 based on expanded foot survey counts; this was well above the long-term average of 24,000, and continued a trend of improving chum salmon escapements there since 1997.

Management Performance Relative to Treaty Requirements

District 104 Purse Seine Fishery

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

As background, this 2.45% AAH value was based on the weighted-average percent of the Nass and Skeena sockeye AAH that would have been harvested in this fishery, during the 1985-1996 period, if the annual pre-week 31 harvest had been exactly 120,000 sockeye salmon. Catches from 1997 were not included in the baseline calculation due to unusually high levels of sockeye abundance in the fishery. The Alaska Department of Fish and Game's (ADF&G) management intent is to harvest Nass and Skeena sockeye salmon at the allowable AAH percentage. The Treaty recognizes that overages and underages will occur and provides an overage/underage provision intended to hold the Parties accountable for their catch shares but permit a reasonable degree of management flexibility.

The final targeted number of Nass/Skeena sockeye in 2004 will not be available until catch, escapement, and stock composition estimates are finalized for the year.

District 101 Tree Point Drift Gillnet Fishery

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

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

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

2005 Salmon Forecast for Southern Southeast Alaska

The 2005 pink salmon return to Southeast Alaska is expected to be strong. The Alaska Department of Fish and Game's forecast is for a harvest estimate of 49 million pink salmon for all of Southeast Alaska in 2005, with a range of 25-72 million (80% confidence interval). Over the past 10 years the average distribution of the pink salmon harvest has been 63% in Southern Southeast Alaska and 37% in Northern Southeast Alaska. Formal forecasts are not made for species other than pink salmon in Southeast Alaska

NORTHERN BRITISH COLUMBIA

2004 Salmon Forecast

Area 1 Expectations

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

Pink An estimated Area 1 pink return of 680 thousand was below the 1.1 M target. Although no surplus was expected, a small gillnet assessment fishery was expected in Masset Inlet

Chum A small gillnet assessment fishery was expected in Masset Inlet

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

Area 3 Expectations

Sockeye An average sockeye return to Canada of 690 thousand was expected. Due to poor expectations for Skeena sockeye, no interception of passing Skeena stocks was anticipated in 2004.

Pink A Nass pink return of 2.6 million was expected to provide a potential Area 3 catch of 2.1 million, along with an anticipated interception of 750,000 Alaskan pinks. A minimal contribution was anticipated by Skeena pink stocks, as the 2004 forecast was for a moderate return.

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

Fishing Plans An average sockeye and above-average pink fishery was anticipated in Area 3 in 2004

Area 4 Expectations

Sockeye The Skeena sockeye return was forecast to be 1.7 million. A 500 thousand fish surplus was expected. Some non-Babine, wild Skeena sockeye stocks remain a conservation concern.

Pink An expected return of 2.5 million Skeena pinks was to allow for a possible surplus of 500 thousand pinks for 2004.

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

Fishing Plans Domestic management initiatives to respond to coho and wild sockeye concerns were the key factors in developing 2004 management plans.

Area 5 Expectations

Sockeye A limited directed Skeena and no local Area 5 sockeye fisheries were anticipated in 2004.

Pink Local Area 5 pink returns in 2004 were expected to produce a surplus of about 900 thousand for harvest.

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

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

Review of 2004 Fishing Season - Net and Troll Fisheries

Area 1

Management units (sub-areas) of Statistical Area 1 are outlined in Figure 3. There were no Area 1 net interception fisheries in 2004. The Area 1 terminal gillnet fishery was open for a total of four fishing periods to harvest surplus Masset Inlet chum salmon. Each 15-hour opening, on September 12, 13, 19 and 20, had no vessels attend. Tables 10 and 11 summarize the 2004 Area 1 gillnet and seine fisheries.

The Area 1 troll fishery was managed considering domestic Chinook, coho and chum stocks of concern, and the PST chinook ceiling. Directed fisheries were conducted for all species except chum, with area and time restrictions associated with each opening.

The preliminary catch estimate for the Area 1 portion (includes Area 101) of the 2004 troll fishery is 2,142 sockeye, 146,569 coho, 30,252 pink and 105,585 chinook (Table 12).

Area 3

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

In general, the Area 3 net fishery was managed for Nass sockeye salmon until mid-July, after which the outer Area 3 fishery was managed based on Nass and Skeena pink and Skeena sockeye stock abundance. The inside Area 3 net fishery was managed for Nass sockeye, pink, and chum abundance from mid-July to late-August. In 2004, Area 3 gillnet fisheries operated with a non-retention, non-possession restriction for coho until the final opening of the year (August 2), when retention was allowed. In addition, the seine fleet was permitted coho retention in selected sub-areas during 10 openings between July 29 and August 13. Both gillnet and seine fleets were restricted to daylight only fishing times. To protect weak local non-Nass chinook stocks and weak Area 3 chum stocks, gillnet fishers were requested to release all live specimens. For similar reasons the seine fleet operated with non-possession/non-retention chinook restriction for the entire season. In addition, non-possession/non-retention of chum was enforced until August 02, when chum retention was allowed during restrictive sub-area openings.

Weekly 2004 hauled catch data by gear type for Area 3 is presented in Tables 13-17.

The 2004 Area 3 gillnet fishery began on June 8 (Week 24) with one 16-hour opening in sub-Areas 3-3, 7 and 12 (183 boat-days of effort) to assess Nass River sockeye run strength. The sockeye catch of 1,650 was normal for this time of year.

One additional opening during Week 25 (June 15) also led to average effort and catches. With a total effort of 218 boat-days, the hauled catch for the opening was 6,362 pieces, compared to a 1990's average of 1,544 fish, giving evidence of a better than average return to the Nass River. As in 2003, pink salmon first appeared in catches in outside areas during this week, a week earlier than in recent years. The initial in-season projected total return to Canada was 660 thousand.

During two 16-hour fishing periods in Week 26 the sockeye hauled catch was 35,216, with fishing effort remaining above normal at 545 boat-days. Sockeye escapements to the Nass River, along with the strong catch figures, gave indications that sockeye returns to the Nass, at that time, were still either above average, early, or both.

Catch and effort remained above average during the three 16-hour openings in Week 27 with the 821 boat-days of effort harvesting 71,719 sockeye. As a result, the in-season estimate of total Nass sockeye returns to Canada increased to 820 thousand. Meanwhile, preliminary Nass fish wheel escapement estimates indicated sockeye escapement past the Gitwinksihlkw fishwheels was below the 10-year average.

Gillnet catch rates remained above average during Week 28, resulting in three 16-hour openings being permitted. The resulting hauled catch was 44,441 sockeye for 458 boat-days of effort. Concerns were noted over a below average Nass fishwheel sockeye escapement estimate, along with a reduced run-size estimate (830,000). By this time a portion of the fleet that had been fishing Area 3 had shifted to Area 4 as the Skeena sockeye fishery opened on July 5.

Gillnet effort increased to 532 boat-days during Week 29, with a catch of 51,027 sockeye, 60,417 pink and 17,297 chum during three openings. Total Nass sockeye total return estimates dropped to approximately 770 thousand, while an improving fish wheel in-river escapement estimate reached over 154 thousand by July 17. The seine fleet started fishing Area 3 for the first time during Week 29, with three openings being permitted during the week. A cumulative effort of 80 boat days caught 76,862 pinks and 14,723 sockeye.

The in-river fish wheel escapement estimate, predicting that approximately 182 thousand sockeye had passed the lower fish wheels by July 25. Meanwhile, Nass sockeye Total Return To Canada (TRTC) estimates remained similar to the previous week, at 760 thousand. This information, coupled with a shift in fleet presence to Area 4, resulted in the gillnet fleet fishing three 16-hour fishing periods during Week 30. In addition, seine vessels were given four openings to intercept Nass sockeye and pink salmon. The gillnet fleet (179 boat-days of effort) harvested 15,711 sockeye, 36,833 pink, and 9,211 chum while a larger than average seine effort of 213 boat-days caught 35,336 sockeye and 224,240 pink.

During Week 31, four 15-hour openings were scheduled for both seines and gillnets as pink and sockeye returns remained strong. In addition, a strong showing of coho salmon in Area 3 permitted retention by the net fleet, beginning July 29. The seine fleet caught 33,252 sockeye, 3,830 coho and 224,268 pink, with a further reduced effort of 82 boat-days, while an increased 241 boat-days of gillnet effort harvested 15,969 sockeye, 61,572 pink, and 14,931 chum during 2 openings. Stock assessment information indicated over 216 thousand sockeye had migrated past the lower Nass fishwheels and that 68,000 sockeye had migrated past the Meziadin counting facility.

Week 32 was the final week of fishing for the gillnet fleet, with one 16-hour openings resulting in 63 boat-days of effort catching 4,736 sockeye, 254 coho, 7,483 pink, and 2,254 chum. The final gillnet opening was on August 2. Meanwhile, with continued high chum release rates, a restricted chum retention fishery was permitted for the seine fleet. Seines were allowed to fish four 16-hour openings and, with 74 boat-days of effort, caught 49,995 sockeye, 11,613 coho, 143,957 pink and 14,305 chum.

Week 33 was the final week open to the seine fleet, with four 16-hour fishing periods being scheduled. Seine effort remained moderate at 79 boat-days for the week, with reported total catches decreasing to 29,460 sockeye, 8,162 coho, 63,912 pinks and 927 chum. The last fishing date for seines was August 13.

In 2004, gillnets fished a total of 3,240 boat-days of effort. Seines accumulated 447 boat-days of effort over the season, double the effort of 2003 but well below the 1973-1984 average of 1,102 boat-days and the 1985-1998 average of 1,257 boat-days. In 2004, 39 percent of the total seine effort was expended in sub-areas 3-1 to 3-4, which was well below the 1973-1984 average of 68 percent and the 1985-1998 average of 71 percent. The gillnet and seine sockeye hailed catches of 246,831 and 162,766, respectively, were higher than pre-season expectations for the seine fleet but below expectations for gillnets. The catch of 190,122 pink salmon by the gillnet fleet and 762,346 by seine were below the anticipated harvest for both fleets as returns to Canada were lower than anticipated. Of the total Area 3 pink net catch, 45% (429,459) was taken in sub-areas 3-1 to 3-4. This was well below the 1973-1984 average of 73% and the 1985-98 average of 61%.

Preliminary net sockeye escapement estimates to the Nass area totalled 217,271, with 140,923 passing through the Meziadin fishway. Pink escapements for all stocks to Area 3 were generally near target levels with a total escapement of 542,500. Chum escapements to Area 3 were below average in 2004, with a preliminary estimate of 54,000.

Table 24 outlines Area 3 escapements for 2004

Area 4

The 2004 fishing plan for Area 4 was derived primarily to address concerns for wild Skeena sockeye stocks and upper Skeena coho. The plan was developed around an abundance-based management scheme in an attempt to reduce exploitation of less productive Skeena sockeye while allowing variable harvest opportunities based on aggregate sockeye abundance. Overall, the intent was to reduce the aggregate-stock exploitation rate on Skeena sockeye in North Coastal marine net fisheries relative to the 1982-2002 base period. Skeena sockeye returns were forecast to be around 1.66 million fish, with a variable weekly harvest rate dependent on the presence of co-migrating stocks of concern. In-season abundance was determined by the Skeena test fishery, harvest rate, CPUE models, native food, social and ceremonial fish catches, commercial catches in Area 4, and other fishing areas in Northern BC and in southern Southeast Alaska.

In 2004, Skeena River flow patterns were normal. With below normal precipitation and higher than normal air temperatures in the headwater region, along with the absence of a large, extended freshet, warmer than normal water temperatures and greater water clarity were recorded at the Tyee Test fishery site. In-season Skeena River sockeye escapement predictions were significantly more accurate over the course of the fishing season when compared to the historic average. Summaries of the Area 4 2004 gillnet and seine weekly catch and effort are provided in Tables 18 and 19.

The Area 4 gillnet fishery began on June 10 (Week 24) with one 31-hour opening scheduled to harvest Skeena chinook salmon at a terminal location (sub-Area 4-15). Effort for the week was 177 boat-days and the hailed catch was 1,370 chinook, an average catch for this opening. In Week 26, the fishery was opened for an additional 30 hours. The chinook hailed catch for 169 boats-days of effort in this opening was 750 fish, giving a total directed chinook catch of 2,120.

As was the case in the previous 2 years, the relatively light effort during the second opening was the result of a larger than normal fleet fishing the strong sockeye returns to the Nass River.

The directed Skeena sockeye fishery began in Week 28 with two 16-hour opening. With concerns for Morice/Nanika sockeye co-migrating at that time the target harvest rate for this week was reduced from those of previous years. An effort of 443 boat-days caught 35,623 sockeye, along with a by-catch of 1,125 chinook, 5,791 pink and 4,563 chum. Run size projections for Skeena sockeye, based on catch and escapement to date and average run timing, predicted a total return of 1.7 million.

Week 29 was the first week of seine fishing, with one 16-hour opening resulting in a catch of 2,212 sockeye and 985 pink for 23 boat-days of seine effort. Little effort was taking place in Area 4 due to better than average sockeye returns to the Nass River, attracting a majority of the seine fleet. Chinook, chum and coho retention was prohibited for the seine fleet over the course of the season, in Area 4, with the requirement to brail all catch and release non-target species. Meanwhile, the gillnet fleet (293 boat-days of effort) caught 33,134 sockeye, 441 chinook, 3,093 chum, and 6,610 pink during a single opening.

During Week 30, the seine and gillnet fleets were each permitted just two 16-hour opening. Gillnets, with 617 boat-days of effort, caught 58,997 sockeye, 55,969 pink, 8,327 chum, and 891 large chinook. A total seine effort of 21 boat-days caught 3,863 sockeye and 7,105 pinks. Sockeye escapement estimates past the Tyee test fishery continued to show as expected while stronger than expected pink salmon returns were being recorded by this time. The return projection dropped considerably, to 1.3 million, by the end of this week.

With concerns for weaker co-migrating wild sockeye stocks and lower than expected aggregate sockeye escapement estimates, the net fleet was not allowed to fish during Week 31. By July 26, catch and escapement data predicted a TRTC of 1.23 million Skeena sockeye.

Signs of a weaker than expected Skeena sockeye return prompted management actions necessitating continued closure of the gillnet fleet during Week 32. Meanwhile, to assess the abundance of Skeena pinks, the seine fleet fished one 15-hour opening, during which 19 boat-days of effort retained 13,773 sockeye and 25,974 pink salmon.

Pink salmon run strength weakened considerably during Week 33. The gillnet and seine fleets fished 2 days each, with this being the final week of gillnet fishing in Area 4. With 199 boat-days of effort, the gillnet fleet caught 22,316 sockeye and 20,046 pink salmon. Chum retention and possession was not permitted by the gillnet fleet during Week 33. The seine fleet caught 7,360 sockeye and 17,389 pinks. The Skeena sockeye TRTC projection stabilized at 1.3 million.

During Week 34, the seine fleet was given two additional 15-hour openings. Six boat-days of effort resulted in a combined catch of 2,538 sockeye and 6,972 pink salmon. The 2004 Area 4 net fishery was terminated for the remainder of the season on August 19.

For gillnets, in 2004, there were 9 openings with a total of 1,899 gillnet boat-days compared to the 1990-99 average of 19.7 fishing days and 8,705 gillnet boat-days. Hailed catch totals for the gillnet fleet were 150,390 sockeye, 88,416 pink, 16,000 chum, and 4,577 large chinook. The seine fleet was allowed 8 fishing days for a total effort of 85 boat-days. Total hailed catch for the seine fleet was 27,534 sockeye and 58,425 pinks.

The preliminary estimate for total return of Skeena sockeye is 1,555,069. The preliminary net Skeena sockeye escapement estimate of 1,101,338 was above the spawning target of 900,000. Although escapements of wild Babine sockeye stocks were variable, enhanced Babine stocks were at or above target. The cumulative escapement past the Babine fence was 921,338 sockeye. The Skeena chum escapement estimate was well below target. Meanwhile, pink escapements to most Coastal systems and Skeena tributaries were below target.

Table 24 provides the 2004 Area 4 spawning escapement estimates.

Area 5

Management of the Area 5 fishery during July was based on average Skeena sockeye abundance with limited openings set to allow for exploitation of surplus Skeena sockeye and pink stocks. From late July to early August, the fishery was reduced due to poorer than expected Skeena sockeye and pink returns. In mid to late August, fisheries were managed to target local pink stocks. Tables 20 and 21 provide the weekly total Area 5 catch and effort for 2004.

In 2004, there were 9 gillnet openings scheduled for Area 5 to exploit passing Skeena sockeye and pink returns and Area 5 pink stocks and accounted for a total effort of 78 boat-days. Total hailed catch was 9,096 sockeye, 12,787 pink, 5,793 chum, and 36 large chinook for the fleet. Non-retention, non-possession of coho and steelhead was enforced for the gillnet fleet.

Pre-season expectations were for seine opportunities to intercept a portion of the projected average returns of Skeena sockeye and pink stocks. A selective seine fishery was scheduled in the upper inside portion of Area 5 (sub-areas 5-1 to 3, 5-10 and 5-13) in conjunction with the selective seine fishery in Area 4. A fleet averaging four vessels per day participated in the 11 openings between July 12 and August 20, due mostly to poor participation during the sockeye-directed openings earlier in the season. Poorer than anticipated Skeena and local Area 5 pink salmon returns led to a weaker fishing effort than expected during the latter part of the fishing season. Total fishing effort was 28 boat-days, with a total hailed catch of 2,962 sockeye and 134,824 pink. Chinook, chum, coho, and steelhead were non-retention, non-possession species throughout the seine season.

The 2004 Area 5 escapement information is provided in Table 24.

Management Performance Relative to Treaty Requirements

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

For the year 2004, Canada was to manage the 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon.

In the Canadian northern boundary area, average pink salmon returns were anticipated for Area 3 (2 million) and for Area 4 (2.5 million). Actual Area 3 returns were above average while the abundance of Area 4 pinks was less than anticipated, with a weaker than expected showing from the late component. As has been the case for the previous 2 years, strong returns were expected for the SE Alaska pink stocks adjacent to the northern boundary area. With a Total Run of 34,766,827 Alaska District 101, 102 and 103 pink salmon in 2004, the AAH for the Area 3(1-4) net fleet was 598,019 Alaska District 101, 102 and 103 pink salmon. The 2004 Canadian pink catch in Sub-areas 3-1 to 3-4 was 402,459, with a preliminary estimate of the Alaska stock component of this catch being 326,693, or 1.36 % of the AAH. This is below the allotted 2.49 % of the AAH.

The total Canadian pink catch of 402,459 in sub-areas 3-1 to 3-4 is much lower than the 1985-2000 average catch of 1.46 million. The below average harvest resulted from a combination of below average returns of Skeena area pink stocks and management restraints on Canadian net fisheries in Sub areas 3-1 to 3-4 to reduce the harvest of less abundant Skeena coho stocks. The percentage of the 2004 Area 3 net catch taken in sub-areas (1-4) was 42.3%, which was well below the 1985-2000 average of 58%.

Pink escapements in 2004 generally were at or below target for the entire North Coast Area, excluding the Queen Charlotte Islands which were well below target escapement levels.

Area 1 Pink Troll Fishery (Preliminary)

For the year 2004, Canada was to manage the Area 1 troll fishery to achieve an annual catch share of 2.57 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon. With a Total Run of 34,766,827 Alaska District 101, 102 and 103 pink salmon in 2004, the AAH for the Area 1 troll fishery was set at 617,232 pieces.

The Canadian commercial troll fishery was open in the northern portion of Area 1 from July 15-22 and July 23-31. The fishery harvested a total of 27,751 pink salmon, with an estimated 24,543, or 88.4%, being of Alaskan origin. This equates to 0.10% of the AAH of 617,232 Alaskan Districts 101, 102 and 103 pink salmon, well below the annex agreement for 2.57 percent.

2004 Salmon Forecast Northern British Columbia

Expectations and fishing plans for 2005 are still preliminary. Specific opening dates and fishing patterns are determined through consultations with industry and since this process has not yet been completed, it is too early to provide details.

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

Area 1 Expectations

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

Pink Area 1 pinks will be in the off-year of the cycle and will not have a directed fishery in 2005.

Chum A small gillnet assessment fishery is expected in Masset Inlet

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

Area 3 Expectations

Sockeye An average sockeye total return of 860 thousand is expected, providing a modest Area 3 commercial harvest opportunity of 450 thousand.

Pink A Nass pink return of 2.5 million is expected to provide an Area 3 catch of 2 million, along with an anticipated interception of 750 thousand Alaskan pinks.

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

Fishing Plans An average sockeye and above-average pink fishery is anticipated in Area 3 in 2005, with possible conservation measures to protect weak local chinook and chum stocks.

Area 4 Expectations

Sockeye The Skeena sockeye return is forecast to be 1.53 million. A harvestable surplus 450,000 is possible. Some wild Skeena sockeye stocks remain a conservation concern.

Pink Skeena pink escapements were above average in the brood year resulting in a possible surplus of approximately 3 million fish being forecast for harvest in 2005. Exploitation of

this surplus will be carried out with restrictions to protect less abundant Skeena sockeye and coho stocks.

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

Fishing Plans Domestic management initiatives to respond to weaker Skeena sockeye stocks, Upper Skeena coho management concerns and poor chum returns will be the key factors in developing the 2005 management plans.

Area 5 Expectations

Sockeye No local Area 5 sockeye fisheries are anticipated in 2005.

Pink Local Area 5 pink returns in 2005 are expected to produce a surplus of about 250 thousand for harvest.

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

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

TABLES

Table 1. Weekly commercial catch and fishing effort by opening in the 2004 Alaska District 101 purse seine fishery (preliminary).

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
28	Sunday	7/4	5:00 AM	Sunday	7/4	8:00 PM	15	9	135	35	588	147	7,600	1,966	10,336
28B	Thursday	7/8	5:00 AM	Thursday	7/8	8:00 PM	15	14	210	194	4,257	877	74,927	14,031	94,286
29	Sunday	7/11	5:00 AM	Sunday	7/11	8:00 PM	15	19	285	239	3,628	709	102,242	22,697	129,515
29B	Thursday	7/15	5:00 AM	Thursday	7/15	8:00 PM	15	24	360	158	3,059	970	136,911	16,505	157,603
30	Sunday	7/18	5:00 AM	Monday	7/19	8:00 PM	39	29	1131	311	6,146	2,077	312,327	29,141	350,002
30B	Thursday	7/22	5:00 AM	Friday	7/23	8:00 PM	39	34	1326	225	6,360	2,854	444,933	52,641	507,013
31	Monday	7/26	5:00 AM	Tuesday	7/27	8:00 PM	39	28	1092	114	9,658	3,041	579,417	59,625	651,855
31B	Friday	7/30	5:00 AM	Saturday	7/31	8:00 PM	39	45	1755	194	9,980	4,176	891,794	70,218	976,362
32	Sunday	8/1	5:00 AM	Monday	8/2	8:00 PM	39	49	1911	107	9,992	3,273	71,0823	55,452	779,647
32B	Wednesday	8/4	5:00 AM	Thursday	8/5	8:00 PM	39	46	1794	191	19,588	4,122	91,5845	67,197	100,6943
32C	Friday	8/6	5:00 AM	Saturday	8/7	8:00 PM	39	50	1950	213	19,110	4,414	807,110	42,704	873,551
33	Monday	8/9	5:00 AM	Tuesday	8/10	8:00 PM	39	34	1326	54	9,683	2,115	493,988	19,275	525,115
33B	Wednesday	8/11	5:00 AM	Thursday	8/12	8:00 PM	39	30	1170	52	6,278	2,366	566,753	12,928	588,377
33C	Sunday	8/14	6:00 AM	Monday	8/15	9:00 PM	39	32	1248	10	4,112	1,500	374,898	8,181	388,701
34	Monday	8/16	6:00 AM	Tuesday	8/17	9:00 PM	39	26	1014	0	2,603	1,819	338,362	11,020	353,804
34B	Thursday	8/19	6:00 AM	Friday	8/20	9:00 PM	39	24	936	0	2,924	2,283	294,395	16,084	315,686
34C	Saturday	8/21	6:00 AM	Sunday	8/22	9:00 PM	39	32	1248	0	2,771	2,970	271,925	25,287	30,2953
35	Tuesday	8/24	6:00 AM	Wednesday	8/25	9:00 PM	39	15	585	0	1,068	1,642	10,6022	17,807	126,539
35B	Thursday	8/26	6:00 AM	Friday	8/27	9:00 PM	39	17	663	0	1,227	2,125	83,518	13,295	100,165
36	Sunday	8/29	6:00 AM	Wednesday	9/1	9:00 PM	87	8	696	0	1,904	2,491	28,509	15,553	48,457
Season Total										2,097	124,936	45,971	7,542,299	571,607	8,286,910

Table 2. Weekly commercial catch and fishing effort by opening in the 2004 Alaska District 102 purse seine fishery (preliminary).

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
26	Sunday	6/20	5:00 AM	Wednesday	6/23	8:00 PM	87	2	174	13	91	157	114	597	972
27	Sunday	6/27	5:00 AM	Wednesday	6/30	8:00 PM	87	10	870	198	2,079	1,248	4,366	3,501	11,392
28	Sunday	7/4	5:00 AM	Sunday	7/4	8:00 PM	15	4	60	56	547	271	2,505	2,406	5,785
28B	Monday	7/5	5:00 AM	Wednesday	7/7	8:00 PM	63	4	252	36	608	316	1,459	4,708	7,127
28C	Thursday	7/8	5:00 AM	Thursday	7/8	8:00 PM	15	8	120	191	3,572	2,088	9,448	11,388	26,687
29	Sunday	7/11	5:00 AM	Sunday	7/11	8:00 PM	15	4	60	49	392	434	2,665	4,487	8,027
29B	Monday	7/12	5:00 AM	Wednesday	7/14	8:00 PM	63	14	882	381	2,510	2,296	29,727	18,882	53,796
29C	Thursday	7/15	5:00 AM	Thursday	7/15	8:00 PM	15	3	45	196	1,093	1,483	3,176	2,950	8,898
30	Sunday	7/18	5:00 AM	Monday	7/19	8:00 PM	39	3	117	64	944	1,068	15,317	6,180	23,573
30B	Thursday	7/22	5:00 AM	Friday	7/23	8:00 PM	39	3	117	75	693	989	24,230	3,583	29,570
31	Monday	7/26	5:00 AM	Tuesday	7/27	8:00 PM	39	0	0	0	0	0	0	0	0
31B	Friday	7/30	5:00 AM	Saturday	7/31	8:00 PM	39	1	39	4	376	172	6,386	610	7,548
32	Sunday	8/1	5:00 AM	Monday	8/2	8:00 PM	39	0	0	0	0	0	0	0	0
32B	Wednesday	8/4	5:00 AM	Thursday	8/5	8:00 PM	39	16	624	212	5,849	3,305	252,171	20,756	282,293
32C	Friday	8/6	5:00 AM	Saturday	8/7	8:00 PM	39	20	780	35	6,835	2,563	314,426	19,913	343,772
33	Monday	8/9	5:00 AM	Tuesday	8/10	8:00 PM	39	25	975	31	4,453	2,296	403,827	11,412	422,019
33B	Wednesday	8/11	5:00 AM	Thursday	8/12	8:00 PM	39	27	1,053	163	4,030	2,310	435,545	14,896	456,944
33C	Saturday	8/14	6:00 AM	Sunday	8/15	9:00 PM	39	17	663	0	2,068	1,329	274,921	9,096	287,414
34	Monday	8/16	6:00 AM	Tuesday	8/17	9:00 PM	39	24	936	4	3,097	2,654	484,424	20,899	511,078
34B	Thursday	8/19	6:00 AM	Sunday	8/22	9:00 PM	87	35	3,045	0	3,827	5,388	523,057	44,259	576,531
35	Tuesday	8/24	6:00 AM	Friday	8/27	9:00 PM	87	26	2,262	0	1,584	4,659	290,401	55,877	352,521
36	Wednesday	8/29	6:00 AM	Wednesday	9/1	9:00 PM	87	12	1,044	0	666	1,978	47,352	51,792	101,788
38	Monday	9/13	6:00 AM	Tuesday	9/14	9:00 PM	36	16	576	0	129	2,127	2,055	36,612	40,923
38B	Sunday	9/17	6:00 AM	Monday	9/20	9:00 PM	84	17	1,428	0	108	2,311	526	54,019	56,964
39	Thursday	9/23	6:00 AM	Sunday	9/26	9:00 PM	84	13	1,092	0	9	279	32	9,393	9,713
40	Thursday	9/30	6:00 AM	Sunday	10/3	9:00 PM	84	2	168	0	0	83	0	890	973
Season Total										1,708	45,560	41,804	3,128,130	409,106	3,626,308

Table 3. Weekly commercial catch and fishing effort by opening in the 2004 Alaska District 103 purse seine fishery (preliminary).

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
30	Sunday	7/18	5:00 AM	Monday	7/19	8:00 PM	39	0	0	0	0	0	0	0	0
30B	Thursday	7/22	5:00 AM	Friday	7/23	8:00 PM	39	0	0	0	0	0	0	0	0
31	Monday	7/26	5:00 AM	Tuesday	7/27	8:00 PM	39	1	39	0	216	165	5,156	433	5,970
31B	Friday	7/30	5:00 AM	Saturday	7/31	8:00 PM	39	8	312	313	10,129	1,069	72,618	6,925	91,054
32	Sunday	8/1	5:00 AM	Monday	8/2	8:00 PM	39	1	39	0	48	34	2,916	410	3,408
32B	Wednesday	8/4	5:00 AM	Thursday	8/5	8:00 PM	39	9	351	81	1,681	1,642	161,655	10,857	175,916
32C	Friday	8/6	5:00 AM	Saturday	8/7	8:00 PM	39	4	156	70	1,333	561	100,428	2,987	105,379
33	Monday	8/9	5:00 AM	Tuesday	8/10	8:00 PM	39	6	234	29	917	535	187,703	3,798	192,982
33B	Wednesday	8/11	5:00 AM	Thursday	8/12	8:00 PM	39	12	468	309	2,772	1,365	228,457	5,635	238,538
33C	Saturday	8/14	6:00 AM	Sunday	8/15	9:00 PM	39	28	1,092	0	4,046	1,594	447,267	18,971	471,878
34	Monday	8/16	6:00 AM	Tuesday	8/17	9:00 PM	39	21	819	1	763	1,232	178,706	12,769	193,471
34B	Thursday	8/19	6:00 AM	Sunday	8/22	9:00 PM	87	14	1,218	2	1,115	4,653	289,145	36,876	331,791
35	Tuesday	8/24	6:00 AM	Friday	8/27	9:00 PM	87	14	1,218	0	820	4,544	105,599	20,995	131,958
36	Sunday	8/29	6:00 AM	Wednesday	9/1	9:00 PM	87	1	87	0	80	48	0	0	128
38	Wednesday	9/15	7:00 AM	Thursday	9/16	7:00 PM	36	1	36	0	0	0	0	93	93
Season Total										805	23,920	17,442	1,779,650	120,749	1,942,566

Table 4. Weekly commercial catch and fishing effort by opening in the 2004 Alaska District 104 purse seine fishery (preliminary).

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
28	Sunday	7/4	5:00 AM	Sunday	7/4	8:00 PM	10	14	140	13	91	157	114	597	13,139
28B	Thursday	7/8	5:00 AM	Thursday	7/8	8:00 PM	10	8	80	198	2,079	1,248	4,366	3,501	8,463
29	Sunday	7/11	5:00 AM	Sunday	7/11	8:00 PM	12	5	60	56	547	271	2,505	2,406	16,827
29B	Thursday	7/15	5:00 AM	Thursday	7/15	8:00 PM	12	12	144	36	608	316	1,459	4,708	20,305
30	Sunday	7/18	5:00 AM	Sunday	7/18	8:00 PM	12	9	108	191	3,572	2,088	9,448	11,388	23,837
30B	Monday	7/19	5:00 AM	Monday	7/19	8:00 PM	12	3	36	49	392	434	2,665	4,487	21,082
30C	Thursday	7/22	5:00 AM	Friday	7/23	8:00 PM	39	10	390	381	2,510	2,296	29,727	18,882	192,048
31	Monday	7/26	5:00 AM	Tuesday	7/27	8:00 PM	39	25	975	196	1,093	1,483	3,176	2,950	292,623
31B	Friday	7/30	5:00 AM	Friday	7/30	8:00 PM	15	20	300	64	944	1,068	15,317	6,180	159,417
31C	Saturday	7/31	5:00 AM	Saturday	7/31	8:00 PM	15	21	315	75	693	989	24,230	3,583	208,921
32	Sunday	8/1	5:00 AM	Sunday	8/1	8:00 PM	15	16	240	0	0	0	0	0	90,943
32B	Monday	8/2	5:00 AM	Monday	8/2	8:00 PM	15	24	360	4	376	172	6,386	610	271,910
32C	Wednesday	8/4	5:00 AM	Wednesday	8/4	8:00 PM	15	25	375	0	0	0	0	0	210,633
32D	Thursday	8/5	5:00 AM	Thursday	8/5	8:00 PM	15	32	480	212	5,849	3,305	252,171	20,756	366,941
32E	Friday	8/6	5:00 AM	Friday	8/6	8:00 PM	15	17	255	35	6,835	2,563	314,426	19,913	173,060
32F	Saturday	8/7	5:00 AM	Saturday	8/7	8:00 PM	15	24	360	31	4,453	2,296	403,827	11,412	220,043
33	Monday	8/9	5:00 AM	Monday	8/9	8:00 PM	15	25	375	163	4,030	2,310	435,545	14,896	387,082
33B	Tuesday	8/10	5:00 AM	Tuesday	8/10	8:00 PM	15	24	360	0	2,068	1,329	274,921	9,096	292,894
33C	Wednesday	8/11	5:00 AM	Wednesday	8/11	8:00 PM	15	25	375	4	3,097	2,654	484,424	20,899	324,134
33D	Thursday	8/12	5:00 AM	Thursday	8/12	8:00 PM	15	30	450	0	3,827	5,388	523,057	44,259	391,601
33E	Saturday	8/14	6:00 AM	Sunday	8/15	9:00 PM	39	31	1,209	0	1,584	4,659	290,401	55,877	360,567
34	Monday	8/16	6:00 AM	Tuesday	8/17	9:00 PM	39	35	1,365	0	666	1,978	47,352	51,792	379,338
34B	Thursday	8/19	6:00 AM	Sunday	8/22	9:00 PM	87	20	1,740	0	129	2,127	2,055	36,612	337,691
35	Tuesday	8/24	6:00 AM	Friday	8/27	9:00 PM	87	11	957	0	108	2,311	526	54,019	43,754
36	Sunday	8/29	6:00 AM	Wednesday	9/1	9:00 PM	87	0	0	0	9	279	32	9,393	0
										23,621	349,139	89,881	4,144,468	200,144	4,807,253

Table 5. Weekly commercial catch and fishing effort by opening in the 2004 Alaska District 101 drift gillnet fishery (preliminary).

Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
26	Sunday	6/20	12:01 PM	Thursday	6/24	12:00 PM	96	53	5,087	560	21,905	220	92	9,661	32,438
27	Sunday	6/27	12:01 PM	Thursday	7/1	12:00 PM	96	55	5,279	596	47,441	483	1,562	16,607	66,689
28	Sunday	7/4	12:01 PM	Thursday	7/8	12:00 PM	96	46	4,415	316	16,712	1,880	39,369	22,064	80,341
29	Sunday	7/11	12:01 PM	Thursday	7/15	12:00 PM	96	44	4,223	285	15,667	1,627	41,837	30,791	90,207
30	Sunday	7/18	12:01 PM	Friday	7/23	12:00 PM	120	40	4,799	98	8,470	783	51,033	17,133	77,517
31	Sunday	7/25	12:01 PM	Friday	7/30	12:00 PM	120	31	3,719	55	8,703	3,006	67,290	29,375	108,429
32	Sunday	8/1	12:01 PM	Friday	8/6	12:00 PM	120	35	4,199	29	10,567	2,338	55,391	21,930	90,255
33	Sunday	8/8	12:01 PM	Friday	8/13	12:00 PM	120	36	4,319	15	8,581	2,001	75,692	8,430	94,719
34	Sunday	8/15	12:01 PM	Friday	8/20	12:00 PM	120	27	3,240	6	1,512	890	38,054	8,070	48,532
35	Sunday	8/22	12:01 PM	Friday	8/27	12:00 PM	120	26	3,120	9	1,837	2,459	32,782	21,746	58,833
36	Sunday	8/29	12:01 PM	Friday	9/3	12:00 PM	120	25	3,000	7	616	2,044	3,974	26,383	33,024
37	Sunday	9/5	12:01 PM	Thursday	9/9	12:00 PM	96	24	2,304	15	215	3,370	353	41,681	45,634
38	Sunday	9/12	12:01 PM	Thursday	9/16	12:00 PM	96	27	2,592	5	106	4,647	12	29,051	33,821
39	Sunday	9/19	12:01 PM	Thursday	9/23	12:00 PM	96	22	2,112	2	15	3,721	0	7,827	11,565
40	Sunday	9/26	12:01 PM	Thursday	9/30	12:00 PM	96	5	480	0	10	1,422	0	969	2,401
Season Total										1,998	142,357	30,891	407,441	291,718	874,405

Table 6. Weekly commercial catch and fishing effort by opening in the 2004 Alaska District 106 drift gillnet fishery (preliminary).

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
25	Sunday	6/13	12:01 PM	Wednesday	6/16	12:00 PM	72	16	1,152	195	1,204	1,057	159	968	3,583
26	Sunday	6/20	12:01 PM	Wednesday	6/23	12:00 PM	72	33	2,375	465	8,853	4,479	2,419	3,323	19,539
27	Sunday	6/27	12:01 PM	Friday	7/2	12:00 PM	120	56	6,719	801	27,770	16,933	7,546	6,294	59,344
28	Sunday	7/4	12:01 PM	Wednesday	7/7	12:00 PM	72	67	4,823	287	17,814	12,611	6,599	5,093	42,404
29	Sunday	7/11	12:01 PM	Thursday	7/15	12:00 PM	96	68	6,527	383	20,900	14,748	27,221	13,165	76,417
30	Sunday	7/18	12:01 PM	Wednesday	7/21	12:00 PM	72	70	5,039	172	9,922	7,325	15,253	7,825	40,497
31	Sunday	7/25	12:01 PM	Tuesday	7/27	12:00 PM	48	70	3,359	227	9,713	7,361	26,000	12,366	55,667
32	Sunday	8/1	12:01 PM	Thursday	8/5	12:00 PM	96	50	4,799	69	13,774	7,618	50,773	14,465	86,699
33	Sunday	8/8	12:01 PM	Thursday	8/12	12:00 PM	96	46	4,415	20	3,906	5,402	62,275	7,100	78,703
34	Sunday	8/15	12:01 PM	Thursday	8/19	12:00 PM	96	27	2,591	18	866	3,090	15,517	2,784	22,275
35	Sunday	8/22	12:01 PM	Thursday	8/26	12:00 PM	96	46	4,415	20	582	5,487	20,903	6,841	33,833
36	Sunday	8/29	12:01 PM	Wednesday	9/1	12:00 PM	72	64	4,607	23	450	9,145	8,804	9,743	28,165
37	Sunday	9/5	12:01 PM	Tuesday	9/7	12:00 PM	48	83	3,982	23	408	14,446	1,728	12,430	29,035
38	Sunday	9/12	12:01 PM	Wednesday	9/15	12:00 PM	72	66	4,751	18	71	15,488	37	5,631	21,245
39	Sunday	9/19	12:01 PM	Wednesday	9/22	12:00 PM	72	53	3,815	8	24	9,906	3	2,080	12,021
40	Sunday	9/26	12:01 PM	Wednesday	9/29	12:00 PM	72	29	2,087	4	2	3,313	0	440	3,759
41	Sunday	10/3	12:01 PM	Tuesday	10/5	12:00 PM	48	4	192	2	0	222	0	26	250
Season Total										2,735	116,259	138,631	245,237	110,574	613,436

Table 7. Weekly commercial catch and fishing effort by opening in the 2004 Annette Island Reserve purse seine fishery (preliminary).

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
25	Wednesday	6/16	6:00 AM	Wednesday	6/16	8:00 PM	14	1		7	45	22	0	37	111
26	Thursday	6/24	6:00 AM	Thursday	6/24	8:00 PM	14	1		8	213	4	174	84	483
27	Sunday	6/27	6:00 AM	Sunday	6/27	8:00 PM	14	1		47	292	32	1,111	143	1,625
27B	Wednesday	6/30	6:00 AM	Wednesday	6/30	8:00 PM	14	1		12	392	17	941	208	1,570
27C	Friday	7/2	6:00 AM	Friday	7/2	8:00 PM	14	1		4	394	35	3,965	237	4,635
28	Sunday	7/4	6:00 AM	Sunday	7/4	8:00 PM	14	1		18	688	66	7,685	404	8,861
28B	Wednesday	7/7	6:00 AM	Wednesday	7/7	8:00 PM	14	1		67	694	129	19,060	787	20,737
28C	Friday	7/9	6:00 AM	Friday	7/9	8:00 PM	15	1		73	1,429	208	13,299	1,657	16,666
29	Monday	7/12	6:00 AM	Monday	7/12	8:00 PM	15	1		15	567	68	5,236	627	6,513
29B	Friday	7/16	6:00 AM	Friday	7/16	8:00 PM	15	1		7	673	145	15,704	767	17,296
30	Sunday	7/18	6:00 AM	Sunday	7/18	8:00 PM	15	1		3	263	71	9,074	355	9,766
30B	Tuesday	7/20	6:00 AM	Tuesday	7/20	8:00 PM	15	1		27	386	39	6,653	346	7,451
31	Sunday	7/25	6:00 AM	Sunday	7/25	8:00 PM	15	1		6	410	103	10,141	641	11,301
31B	Tuesday	7/27	6:00 AM	Tuesday	7/27	8:00 PM	15	1		2	205	32	5,980	195	6,414
31C	Thursday	7/29	6:00 AM	Friday	7/30	8:00 PM	39	1		7	862	135	9,665	498	11,167
32	Sunday	8/1	6:00 AM	Monday	8/2	8:00 PM	39	1		5	1,014	234	21,954	1,311	24,518
32B	Wednesday	8/4	6:00 AM	Friday	8/6	8:00 PM	63	1		9	2,051	613	57,016	1,813	61,502
33	Monday	8/9	6:00 AM	Thursday	8/12	8:00 PM	87	1		8	1,996	391	149,028	1,459	152,882
34	Sunday	8/15	6:00 AM	Wednesday	8/18	8:00 PM	87	1		7	1,831	515	117,813	1,505	121,671
34B	Friday	8/20	6:00 AM	Friday	8/20	8:00 PM	15	1		1	422	201	29,577	724	30,925
35	Sunday	8/22	6:00 AM	Sunday	8/25	8:00 PM	87	1		2	963	636	48,843	3,115	53,559
35B	Friday	8/27	6:00 AM	Friday	8/27	8:00 PM	15	1		1	197	201	7,188	1,053	8,640
36	Sunday	8/29	6:00 AM	Monday	8/30	8:00 PM	38	1		0	94	173	3,039	1,217	4,523
37	Friday	9/10	6:00 AM	Sunday	9/10	8:00 PM	14	1		0	0	101	0	368	469
38	Sunday	9/12	6:00 AM	Sunday	9/12	8:00 PM	14	1		0	0	186	0	974	1,160
38B	Tuesday	9/14	6:00 AM	Tuesday	9/14	8:00 PM	14	0		0	0	0	0	0	0
38C	Friday	9/17	6:00 AM	Friday	9/17	8:00 PM	14	1		0	0	283	0	148	431
39	Sunday	9/19	6:00 AM	Sunday	9/19	8:00 PM	14	1		0	0	196	0	48	244
39B	Wednesday	9/22	7:00 AM	Wednesday	9/22	7:00 PM	12	0		0	0	0	0	0	0
39C	Friday	9/24	7:00 AM	Friday	9/24	7:00 PM	12	0		0	0	0	0	0	0
40	Monday	9/27	7:00 AM	Monday	9/27	7:00 PM	12	1		0	0	1,048	0	64	1,112
41	Sunday	10/3	7:00 AM	Sunday	10/3	7:00 PM	12	0		0	0	0	0	0	0
41B	Wednesday	10/6	7:00 AM	Wednesday	10/6	7:00 PM	12	0		0	0	0	0	0	0
Season Total										336	16,081	5,884	543,146	20,785	586,232

Table 8. Weekly commercial catch and fishing effort by opening in the 2004 Annette Island Reserve gillnet fishery (preliminary).

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
24	Sunday	6/6	12:00 PM	Wednesday	6/9	12:00 PM	72	1		3	1	0	0	3	7
25	Sunday	6/13	12:00 PM	Wednesday	6/16	12:00 PM	72	1		112	48	7	15	212	394
26	Saturday	6/19	12:00 PM	Wednesday	6/23	12:00 PM	96	1		299	314	20	176	565	1,374
27	Sunday	6/27	12:00 PM	Friday	7/2	12:00 PM	120	1		451	3,641	288	9,216	2,564	16,160
28	Sunday	7/4	12:00 PM	Friday	7/9	12:00 PM	120	1		290	2,557	253	23,511	6,020	32,631
29	Sunday	7/11	12:00 PM	Friday	7/16	12:00 PM	120	1		230	2,361	211	21,602	4,208	28,612
30	Sunday	7/18	12:00 PM	Thursday	7/22	12:00 PM	96	1		74	1,936	79	20,045	2,005	24,139
31	Sunday	7/25	12:00 PM	Friday	7/30	12:00 PM	120	1		46	1,539	178	36,549	4,078	42,390
32	Sunday	8/1	12:00 PM	Friday	8/6	12:00 PM	120	1		13	1,475	468	27,560	8,561	38,077
33	Sunday	8/8	12:00 PM	Friday	8/13	12:00 PM	120	1		5	559	199	20,072	1,860	22,695
34	Sunday	8/15	12:00 PM	Friday	8/20	12:00 PM	120	1		0	103	36	10,289	496	10,924
35	Sunday	8/22	12:00 PM	Friday	8/27	12:00 PM	120	1		0	27	33	2,275	234	2,569
36	Sunday	8/29	12:00 PM	Wednesday	9/1	12:00 PM	72	1		0	21	114	864	751	1,750
37	Sunday	9/5	12:00 PM	Friday	9/10	12:00 PM	120	1		0	78	3,092	330	25,546	29,046
38	Sunday	9/12	12:00 PM	Friday	9/17	12:00 PM	120	1		0	1	5,331	0	15,796	21,128
39	Sunday	9/19	12:00 PM	Friday	9/24	12:00 PM	120	1		0	0	6,321	0	3,034	9,355
40	Sunday	9/26	12:00 PM	Friday	10/1	12:00 PM	120	1		0	0	4,619	0	793	5,412
41	Sunday	10/3	12:00 PM	Thursday	10/7	12:00 PM	96	0		0	0	0	0	0	0
Season Total										1,523	14,661	21,249	172,504	76,726	286,663

Table 9. Southern Southeast Alaska pink salmon escapement indices by stock group and district for 2004.

Stock Group	District	Total Pink Salmon Index for 2004	Lower Management Target	Upper Management Target	Met Minimum Escapement Target	Exceeded Escapement Target	Recent 10-year Average
Portland	101	423,550	170,000	370,000	X	X	424,007
E Behm	101	1,460,967	840,000	1,890,000	X		2,207,593
W Behm	101	595,200	330,000	740,000	X		669,939
Kasaan	102	699,184	340,000	930,000	X		1,228,376
Moirá	102	38,104	60,000	170,000			131,990
E Dall	103	591,824	160,000	360,000	X	X	379,796
Hetta	103	644,240	300,000	680,000	X		889,861
Klawock	103	1,907,935	520,000	1,170,000	X	X	1,505,168
Sea Otter Sound	103	346,700	150,000	330,000	X	X	342,477
Affleck Canal	105	465,093	200,000	380,000	X	X	450,840
Shipley Bay	105	166,827	140,000	270,000	X		427,929
Burnett	106	80,351	100,000	200,000			232,887
Ratz Harbor	106	172,000	100,000	210,000	X		212,769
Totem Bay	106	177,372	70,000	150,000	X	X	208,102
Whale Pass	106	132,675	130,000	280,000	X		253,338
Anan	107	447,265	320,000	680,000	X		481,455
Union Bay	107	110,700	80,000	170,000	X		163,892
Stikine	108	36,503	No Target				47,196
Total District 101		2,479,717	1,330,000	3,000,000	X		2,826,932
Total District 102		737,288	400,000	1,100,000	X		1,181,757
Total District 103		3,490,699	1,130,000	2,550,000	X	X	2,812,578
Total District 105		631,920	330,000	650,000	X		756,808
Total District 106		562,398	400,000	850,000	X		794,399
Total District 107		557,965	400,000	850,000	X		623,943
Total District 108		36,503	No Target				
Southern Southeast Alaska Total		8.5 million	4.0 million	9.0 million	X		10.3 million

Table 10. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 gillnet weekly hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
FISHERY ON PASSING STOCKS			(No fishery on passing stocks)								
TOTAL FISHERY ON PASSING STOCKS			0	0	0	0	0	0			
LOCAL FISHERY											
38	9-3	SEP 18	0	0	0	0	0	0	0	32	1.3333333
39	9-4	25	0	0	0	0	0	0	0	32	1.3333333
TOTAL LOCAL FISHERY			0	0	0	0	0	0	0	64	2.6666667
TOTAL AREA 1 GN FISHERY			0	0	0	0	0	0	0	64	2.6666667

NOTE: 2004 CATCH FIGURES ARE BASED ON YEAR-END HAIL COUNTS.

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

Table 11. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 seine weekly hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
FISHERY ON PASSING AND LOCAL STOCKS				(No fishery on passing or local stocks)							

Table 12. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 troll weekly hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	BOAT DAYS	HOURS OPEN	**DAYS FISHING
FISHERY ON PASSING STOCKS											
40	10/1	10/4	Closed	0	0	Closed	44	44	11	168	7
41	10/2	10/11	Closed	0	0	Closed	28	28	7	168	7
11	3/2	3/13	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
12	3/3	3/20	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
13	3/4	3/27	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
14	4/1	4/3	Closed	Closed	0	Closed	314	314	90	72	3
15	4/2	4/10	Closed	Closed	0	Closed	941	941	567	168	7
16	4/3	4/17	Closed	Closed	0	Closed	1097	1097	270	120	5
17	4/4	4/24	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
18	4/5	5/1	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
19	5/1	5/8	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
20	5/2	5/15	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
21	5/3	5/22	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
22	5/4	5/29	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
23	6/1	6/5	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
24	6/2	6/12	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
25	6/3	6/19	Closed	Closed	456	Closed	23012	23468	2110	120	5
26	6/4	6/26	Closed	Closed	590	Closed	22739	23329	3430	168	7
27	7/1	7/3	Closed	Closed	591	Closed	29412	30003	1925	168	7
28	7/2	7/10	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
29	7/3	7/17	126	3297	3684	Closed	Closed	7107	126	72	3
30	7/4	7/24	63	13918	3726	Closed	27998	45705	2380	120	5
31	7/5	7/31	110	8084	6241	Closed	Closed	14435	490	168	7
32	8/1	8/7	1154	47113	4171	Closed	Closed	52438	2555	168	7
33	8/2	8/14	282	23971	6254	Closed	Closed	30507	1890	168	7
34	8/3	8/21	117	21396	3349	Closed	Closed	24862	1512	168	7
35	8/4	8/28	183	18270	1017	Closed	Closed	19470	1428	168	7
36	9/1	9/4	97	6300	168	Closed	Closed	6565	651	168	7
37	9/2	9/11	5	2919	4	Closed	Closed	2928	280	168	7
38	9/3	9/18	4	1138	1	Closed	Closed	1143	172	168	7
39	9/4	9/25	1	163	0	Closed	Closed	164	35	168	7
TOTAL FISHERY ON PASSING STOCKS			2142	146569	30252	Closed	105585	284548	19929	2856	119
NO LOCAL FISHERY											
TOTAL AREA 1 TROLL FISHERY			2142	146569	30252	Closed	105585	284548	19929	2856	119

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

*FISH CAPTURED DURING TEST FISHERY

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

Table 13. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 (1-4) gillnet weekly hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
24	6-2	JUNE 12	210	0	1	26	52	289	23.33333	16	0.66666667
25	6-3	19	1570	0	29	188	37	1824	24.66667	16	0.66666667
26	6-4	16	4433	0	24	1222	111	5790	72.66667	32	1.33333333
27	7-1	JULY 3	14366	0	599	3426	149	18540	147.3333	48	2
28	7-2	10	16857	0	10271	7688	82	34898	176	48	2
29	7-3	17	11592	0	13697	4706	56	30051	174	48	2
30	7-4	24	4750	0	10598	3002	23	18373	59	48	2
31	7-5	31	4639	0	19294	5240	12	29185	72	32	1.33333333
32	8-1	AUG 7	0	0	0	0	0	0	0	0	0
TOTALS			58417	0	54513	25498	522	138950	749	288	12

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 14. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 gillnet weekly hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK ENDING	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
24	6-2	JUNE 12	1650	0	1	206	412	2269	183.33333	16	0.6666667
25	6-3	19	6362	0	33	573	451	7419	218	16	0.6666667
26	6-4	26	35216	0	80	3839	1536	40671	545.33333	32	1.3333333
27	7-1	JULY 3	71719	0	1600	11184	1401	85904	820.66667	48	2
28	7-2	10	44441	0	22103	14434	674	81652	458	48	2
29	7-3	17	51027	0	60417	17297	344	129085	532	48	2
30	7-4	24	15711	0	36833	9211	97	61852	180	48	2
31	7-5	31	15969	0	61572	14931	89	92561	241	32	1.3333333
32	8-1	AUG 7	4736	254	7483	2254	18	14745	63	16	0.6666667
TOTALS			246831	254	190122	73929	5022	516158	3241.3333	304	12.666667

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 15. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Entrance (sub-areas 3-1 to 3-4) weekly seine haul catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK		CATCH					BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JULY 17	5156	0	28266	0	0	33422	31.33333	48	2
30	7-4	24	14492	0	116252	0	0	130744	51	64	2.66666667
31	7-5	31	14634	1973	108399	0	0	125006	31	64	2.66666667
32	8-1	AUG 7	13112	4102	70745	10216	0	98175	31	64	2.66666667
33	8-2	14	11025	3271	24284	927	0	39507	31	64	2.66666667
TOTALS			58419	9346	347946	11143	0	426854	175.3333	304	12.66666667

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 16. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 seine hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK CATCH		COHO	PINK	CHUM	CHINOOK	TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE								
29	7-3	JUL 17	14723	0	76862	0	0	91585	80	48	2
30	7-4	24	35336	0	224240	0	0	259576	133	64	2.6666667
31	7-5	31	33252	3830	224268	0	0	261350	82	64	2.6666667
32	8-1	AUG 7	49995	11613	173055	14305	0	248968	74	64	2.6666667
33	8-2	14	29460	8162	63921	927	0	102470	79	64	2.6666667
TOTALS			162766	23605	762346	15232	0	963949	448	304	12.6666667

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 17. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 troll hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
32	8-1	AUG 7	124	7986	1295	Closed	Closed	9405	504	168	7
33	8-2	14	27	4291	517	Closed	Closed	4835	434	168	7
34	8-3	21	30	2792	341	Closed	Closed	3163	441	168	7
35	8-4	28	21	2112	112	Closed	Closed	2245	210	168	7
36	9-1	SEP 04	20	3538	24	Closed	Closed	3582	350	168	7
37	9-2	11	9	2546	7	Closed	Closed	2562	301	168	7
38	9-3	18	3	1534	0	Closed	Closed	1537	168	168	7
TOTAL FISHERY ON											
PASSING STOCKS			234	24799	2296	0	0	27329	2408	1176	49

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 18. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 gillnet hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
24	6-2	JUNE 12	50	0	0	14	1,370	0	177	31	1.3
25	6-3	19	0	0	0	0	0	0	0	0	0.0
26	6-4	26	270	0	0	3	750	1,023	169	30	1.3
27	7-1	JULY 3	0	0	0	0	0	0	0	0	0.0
28	7-2	10	35,623	0	5,791	4,563	1,125	47,102	443	32	1.3
29	7-3	17	33,134	0	6,610	3,093	441	43,278	293	16	0.7
30	7-4	24	58,997	0	55,969	8,327	891	124,184	617	32	1.3
31	7-5	31	0	0	0	0	0	0	0	0	0.0
32	8-1	AUG 7	0	0	0	0	0	0	0	0	0.0
33	8-2	14	22,316	0	20,046	0	0	42,362	199	30	1.3
TOTALS			128,024	0	68,370	16,000	4,577	215,587	1,700	141	7.1

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 19. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 seine hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK ENDING	CATCH						BOAT	HOURS	DAYS
		DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	DAYS	OPEN	FISHING*
29	7-3	JUL 17	11,630		1,516	269	-	13,415	33	16	0.7
30	7-4	24	56,552	-	33,652	1,982	-	92,186	73	60	2.5
31	7-5	31	21,619	-	261,570	683	-	283,872	45	75	3.1
32	8-1	AUG 7	3,587	-	82,565	-	-	86,152	18	75	3.1
33	8-2	14	5,500	-	349,605	-	-	355,105	28	65	2.7
34	8-3	21	2,487	-	164,310	-	-	166,797	21	65	2.7
TOTALS			101,375	-	893,218	2,934	-	997,527	218	356	15

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 20. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 gillnet hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK				
28	7-2	JULY 10	3,709	-	3,522	1,932	19	9,182	37	32	1.3
29	7-3	17	1,780	-	1,400	1,480	4	4,664	13	16	0.7
30	7-4	24	3,452	-	7,677	2,372	13	13,514	26	32	1.3
31	7-5	31	-	-	-	-	-	-	-	-	0.0
32	8-1	AUG 7	-	-	-	-	-	-	-	-	0.0
33	8-2	114	155	0	279	9	0	443	1	32	1.3
TOTALS			9,096	-	12,878	5,793	36	27,803	78	112	5

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 21. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 seine hail catch (preliminary), 2004.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JUL 17	-	-	-	-	-	-	-	16	0.7
30	7-4	24	-	-	-	-	-	-	-	32	1.3
31	7-5	31	-	-	-	-	-	-	-	-	0.0
32	8-1	AUG 7	150	-	6,000	-	-	6,150	1	15	0.6
33	8-2	14	1,265	-	64,824	-	-	66,089	11	45	1.9
34	8-3	21	1,547	-	64,000	-	-	65,547	16	60	2.5
TOTALS			2,962	-	134,824	-	-	137,786	28	168	7

NOTE: 2004 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

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

Table 22. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 3(1-4) net fishery, 2004.

Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:	
Total Run	34,766,827
Escapement Index (x 2.5)	16,769,260
Escapement Requirement	10,750,000
Annual Allowable Harvest (AAH)	24,016,827
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 3(1-4) Net	
Total Pink Harvest in Area 3(1-4) Net (Hail Data)	402,459
Actual Number of Alaskan Pink Harvested	326,693
Actual %AAH	1.36%
Overage/Underage Based on the 2.49% AAH Stipulated in the Treaty:	
Allowable % AAH	2.49%
Allowable Harvest	598,019
Overage (Positive)/Underage (Negative)	(271,326)
Cumulative Overage/Underage	(1,306,728)

see Canadian catch spreadsheet attached for gto's calculations

Table 23. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 1 troll fishery, 2004.

Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:	
Total Run	34,766,827
Escapement Index (x 2.5)	16,769,260
Escapement Requirement	10,750,000
Annual Allowable Harvest (AAH)	24,016,827
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 1 Troll	
Total Pink Harvest in Area 1 Troll (Hail Data)	27,751
Actual Number of Alaskan Pink Harvested	24,543
Actual %AAH	0.10%
Overage/Underage Based on the 2.57% AAH Stipulated in the Treaty:	
Allowable % AAH	2.57%
Allowable Harvest	617,232
Overage (Positive)/Underage (Negative)	(592,689)
Cumulative Overage/Underage	(4,595,777)

Table 24. Department of Fisheries and Oceans, 2004 escapements to Areas 3, 4, and 5 (preliminary).

Area	Sockeye	Pink	Chum
3	217,271	542,500	54,000
Meziadin:	140,923		
4	960,251	647,921	unk
5	13,600	95,370	3,000

Table 25. Department of Fisheries and Oceans, 2005 salmon forecast, Areas 1, 3, 4, and 5.

		FORECAST RETURNS TO CANADA	EXPECTED ESCAPEMENT	CATCH OF AREAS PRODUCTION *	CATCH OF OTHER AREAS PRODUCTION	TOTAL CATCH IN AREA
AREA 1	Sockeye Pink	No forecast done 0 (Off-year)	N/A 0	0	0	0
AREA 3	Sockeye Pink	860,000 2,550,824	200,000 375,000	660,000 2,175,824	50,000 750,000	710,000 2,925,824
AREA 4	Sockeye Pink	1,534,975 4,597,586	900,000 2,097,800	450,000 3,000,000	50,000 0	500,000 3,000,000
AREA 5	Sockeye Pink	No forecast done 708,490	50,000 424,150	0 250,000	5,000 350,000	5,000 600,000

* - Areas 3 and 4 catch includes commercial and native harvests in tidal and non-tidal waters.

FIGURES

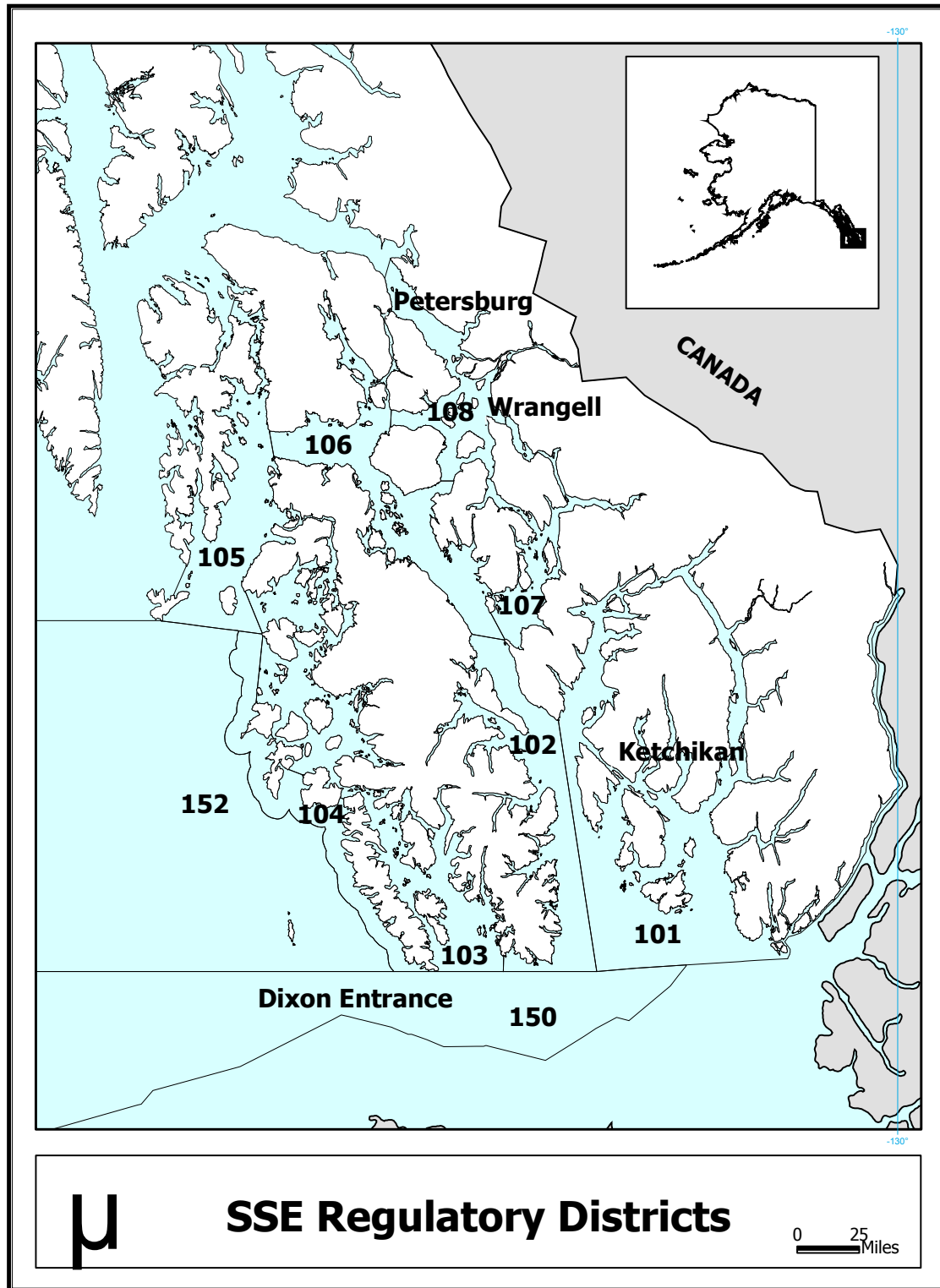


Figure 1. Alaska Department of Fish and Game Southern Southeast Alaska regulatory districts.

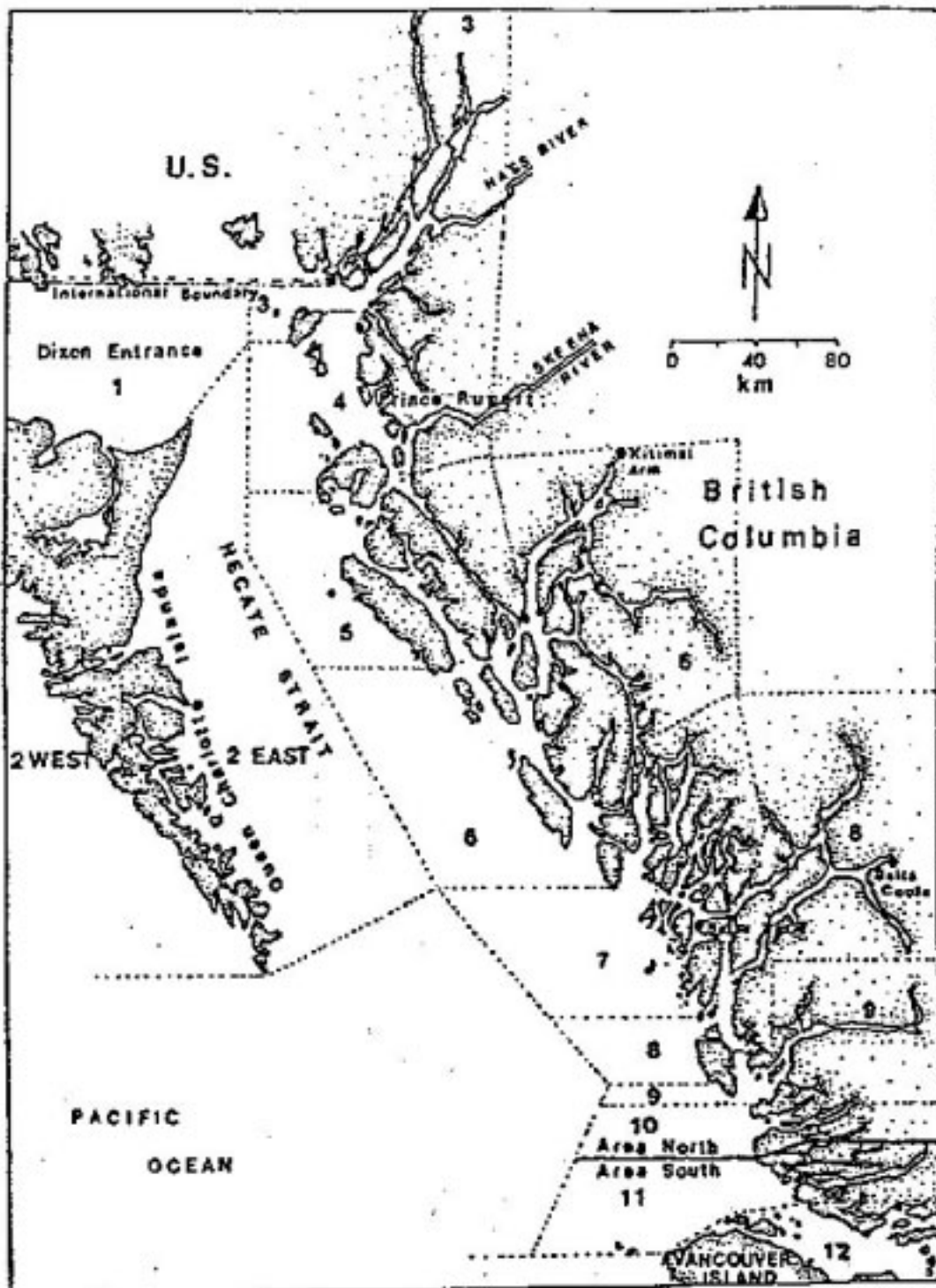


Figure 2. Canadian Department of Fisheries and Oceans Statistical Areas 1-10, Northern British Columbia.

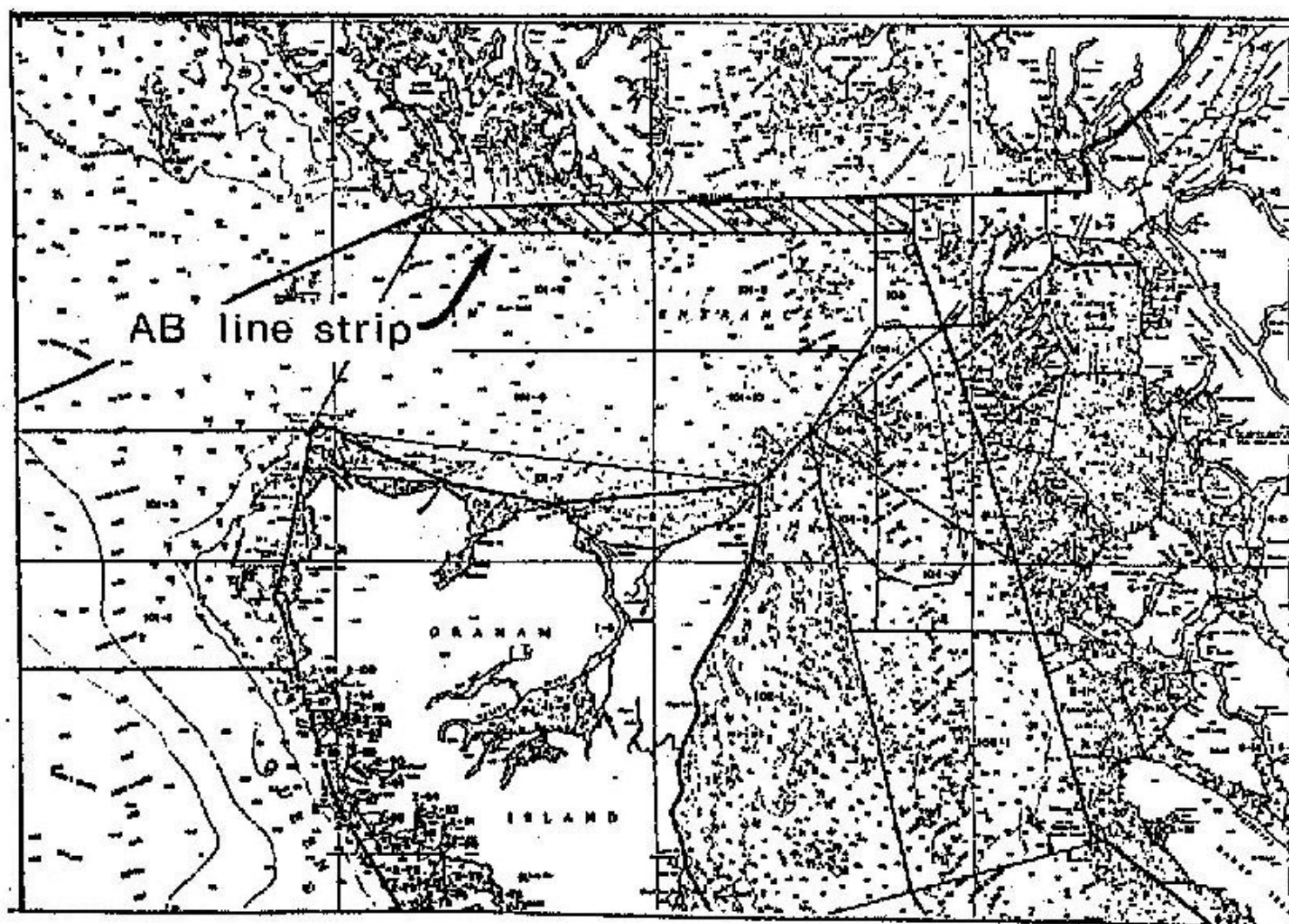


Figure 3. Canadian Department of Fisheries and Oceans Statistical Area 1 management sub-areas.

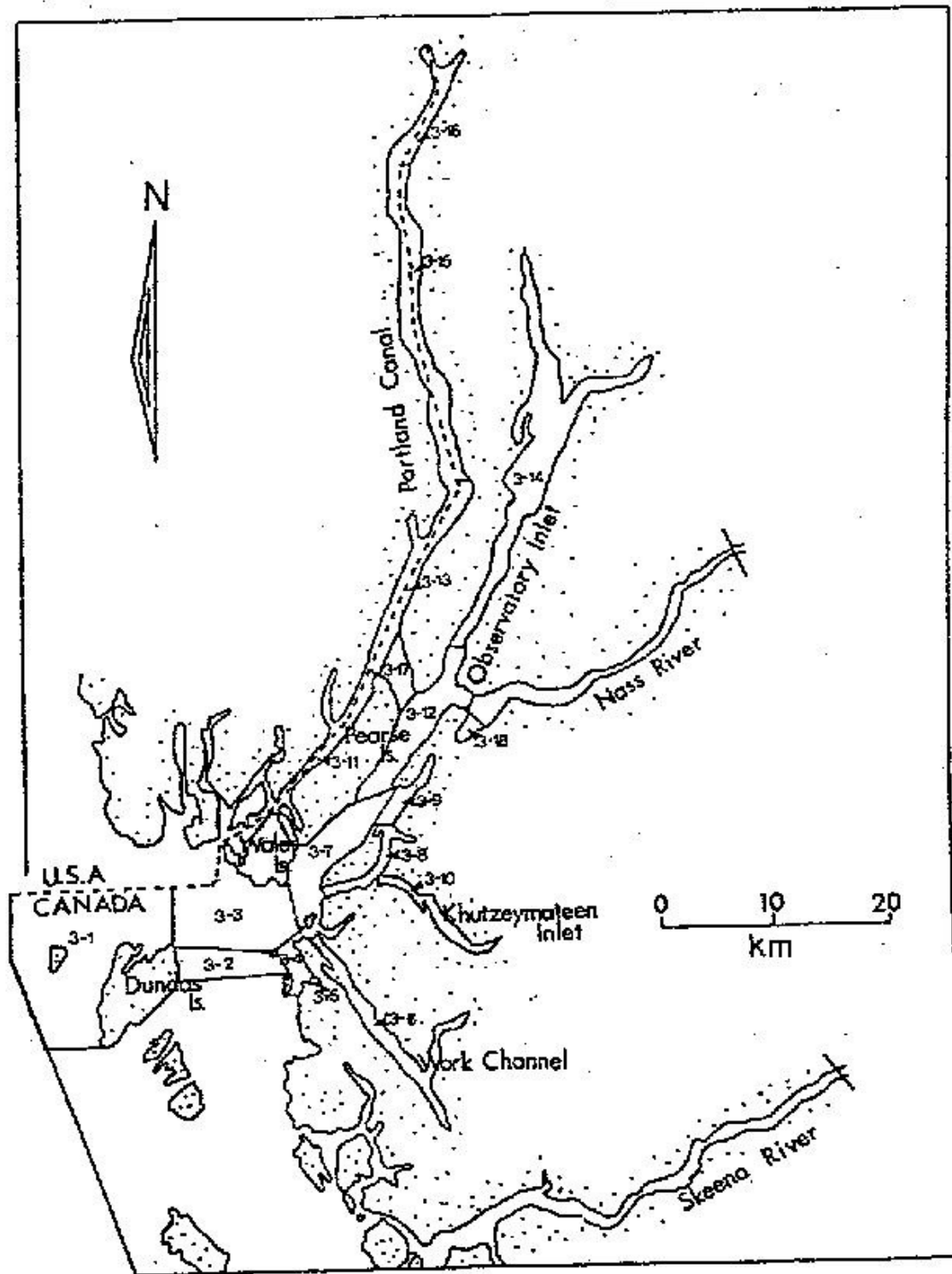


Figure 4. Canadian Department of Fisheries and Oceans Statistical Area 3 management sub-areas.