

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

**U.S./CANADA NORTHERN BOUNDARY AREA  
2002 SALMON FISHERIES MANAGEMENT REPORT  
AND 2003 PRELIMINARY EXPECTATIONS**

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## EXECUTIVE SUMMARY

This report reviews:

- 1) catch, effort, and management actions in the 2002 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 2003.

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.

### ***2002 Fisheries***

In southern Southeast (SSE) Alaska, there was a good return of pink salmon. The 23.3 million harvested was below the 1989-1998 average of 32.9 million. The SSE Alaska escapement indices totalled 9.9 million, above the 6.0 - 9.0 million goal. The pink salmon harvest in all of Southeast Alaska was 45.3 million, within the preseason forecast of 30.0 to 52.0 million. The 2.2 million chum harvested in southern Southeast Alaska was below the recent 89-98 average of 3.6 million. In addition, there were 1.1 million coho and 0.3 million sockeye salmon harvested in SSE Alaska in 2002. These were 95 and 20 percent of the 89-98 averages, respectively.

In the North Coast of British Columbia, sockeye returns were below average for the Skeena sockeye aggregate (total Area 4 commercial net catch was 607,587). Commercial net catch for Nass sockeye (473,220) was well above average while the estimated escapement of 405,473 was well above the 200,000 target. An estimated 600 thousand sockeye passed through the Babine fence and enhanced Babine stocks were very close to target capacity in the Pinkut and Fulton spawning channels. Meanwhile, returns of non-enhanced Babine stocks were low. Returns to the Morice and Kitwanga systems were again below target but showed improvement over recent years. Pink returns were strong in Area 3 and moderate in the Skeena (total Areas 3 and 4 net catch 2,934,115). Pink escapements were well above target in Area 3 and below the minimum escapement target for the Skeena. Area 5 pink escapements were above target while chum escapements were below target. Low chum abundance in Areas 3 to 5 resulted in low escapements and catches. In addition, management actions were initiated to minimize chum mortality during the latter part of the Areas 3 to 5 net fishing season. The Area 1 troll fishery harvested 41,418 pinks, with low catches being attributable 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 2002 season, DFO forecast a total run of 686,000 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. The cumulative sockeye harvest prior to the initiation of the Pink Salmon Management Plan was in Week 30 was 104,626 fish, or about 87% of the season’s total sockeye harvest of 120,353 fish.

The District 104 purse seine fishery opens the first Sunday in July; in 2002 the initial opening was July 7 (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 686,000 sockeye bound for the Nass River and between 800,000 and 1.2 million sockeye bound for the Skeena River. The preseason forecasts result in a total projected return of between 1.49 and 1.89 million with a resulting AAH of between 486,000 and 786,000. Using this forecast, the pre-Week 31 allowable harvest was a minimum of 11,900 Nass and Skeena sockeye salmon. Preliminary indications were that the actual return of both Nass and Skeena River sockeye were higher than forecast, which would result in an increase in the AAH.



For 2002, 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 production. The AAH for 2002 was 31,432,710 providing a Canadian catch allowance (2.49 %) of 782,674 pink salmon. The preliminary 2002 Canadian net pink catch in sub-areas 3-1 to 3-4 was 946,781 (929,511 for seine and 17,270 for gillnet). The Alaska stock component of this total was estimated to be 524,245 fish, below the target allowable catch. Overall, North Coast Canadian pink returns were slightly better than expected. Escapements to the Queen Charlotte Islands (Areas 1, 2 East and 2 West) and Areas 3 and 5 were above the target while Area 4 escapements were below target.

For 2002, Canada was to manage the commercial troll fishery in Area 1 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 production. The AAH for 2002 was 31,432,710 pink salmon, allowing for a total allowable harvest of 807,821 pinks of Alaskan origin. The Canadian commercial troll fishery in Area 1 was open in the northern portion of the area from August 1 to September 30. The fishery harvested a total of 41,418 pink salmon, with an estimated 28,409 of Alaskan origin. This was well below the annex agreement for 2.57 percent of the AAH of Alaskan Districts 101, 102, and 103 pink salmon.

### ***2003 Forecast***

The 2003 pink salmon return to Southeast Alaska is expected to be very strong. The Alaska Department of Fish and Game's forecast is for a total adult return of 57.0 to 87.0 million, an escapement index goal range of between 24.0 and 37.0 million, and a harvest estimate of between 32.0 and 55.0 million pink salmon in all of Southeast Alaska in 2003. Separate forecasts for northern and southern Southeast show very strong returns in SSE and strong returns in NSE. Formal forecasts are not made for species other than pink salmon in Southeast Alaska. However, returns of coho, sockeye, and chum salmon are projected to be good, comparable to the levels observed in recent years.

Nass sockeye returns in 2003, based on a new sibling-relationship model, are expected to be approximately 711 thousand. For the Skeena, the sibling model forecast predicts a 50% probability of 1.19 million sockeye returning to the Skeena in 2003, with a 25% probability of the return exceeding 2.0 million and a 75% probability the return will exceed 712 thousand. Nass area pink streams are predicted to have a surplus 1.9 million available for harvest while Area 4 pink returns are expected to be slightly above average, with a projected surplus of 1.0 million fish.

## **INTRODUCTION**

This report reviews the 2002 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 2003. 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 2002. Sub-area catch data is also presented for all salmon species for Canadian Area 3. Canadian catch data for 2002 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**

### ***2002 Salmon Forecast***

The 2002 pink salmon return to Southeast Alaska was expected to be strong. The Alaska Department of Fish and Game's forecast was for a total adult return of 57.0 to 87.0 million, an escapement index goal range of between 24.0 and 37.0 million, and a harvest estimate of between 30.0 and 52.0 million pink salmon in all of Southeast Alaska in 2002. Separate forecasts for northern and southern Southeast showed strong returns throughout all areas. Formal forecasts were not made for species other than pink salmon in Southeast Alaska. However, returns of coho, sockeye, and chum salmon were projected to be good, comparable to the levels observed in recent years.

### ***Review of the 2002 Fishing Season***

Commercial fisheries harvested approximately 26.9 million salmon in southern Southeast Alaska in 2002. This included 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 SSE Alaska harvest was comprised of 23.32 (86.4%) million pink, 2.16 (8.0%) million chum, 1.11 (4.1%) million coho, 0.31 (1.2%) million sockeye, and 94,234 (0.3%) 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.

The total Southeast Alaska harvest of 55.9 million salmon was well above the 21.4 million average since statehood (1960-2001). The total pink salmon harvest in all of Southeast Alaska was 45.3 million, which was within the preseason forecast of 30.0 to 52.0 million for 2002.

### **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.

On a trial basis, the Alaska Department of Fish and Game, in cooperation with the purse seine fleet and processors, agreed to restructure the management of the Southeast Alaska purse seine fishery for the 2002 season. The reason for the restructuring of the seine fishery was to increase the profitability of the fishery for both the seiners and the processing industry. The restructuring was to change from the 2-day on/2-day off fishing schedule that had been in place during the peak of the pink salmon returns in recent years, to a 4-day on/1-day off schedule during the peak season. In some instances, rather than open for four consecutive 24-hour days (96 hours), the fisheries were open during daylight hours, but closed each evening from 9PM until 6AM the following morning, (consecutive daily 15-hour openings). The length and structure of purse seine openings were based on the managers assessment of local run strength and anticipated fishing effort.

In order to implement the new fishing schedule the department and the fishing industry agreed that conservation would continue to be the primary focus of management, that status quo management would be in place from the start of the season in late June through at least early August, that inseason abundance should indicate a harvest of at least 30 million pink salmon throughout Southeast Alaska before the new management approach was implemented, that allocation between the different Southeast Alaska commercial gear groups would not be affected, and that the general fishing time and effort in the District 104 fishery would be similar to the historical levels since the signing of the Pacific Salmon Treaty and will continue to follow the annex arrangement signed in 1999.

After the end of the season, the new fishing schedule will be evaluated by the Alaska Department of Fish and Game, the purse seine fishermen, and the processing industry to see if the objectives had been reached and if the new approach would again be used during the 2003 season.

The abundance of pink salmon throughout the southern Southeast Alaska purse seine fishery in 2002 was relatively good although distribution was concentrated in southern inside fisheries. The overall harvest of pink salmon in southern Southeast Alaska was 23.3 million fish, below the average annual pink salmon harvest of 30.7 million since 1985. Of those pink salmon, 21.3 million (92%) were harvested in Districts 101, 102, and 103. Only 838 thousand (4%) were harvested in District 104; far below the 1985-2001 average of 37%. About 1 million (4%) were harvested in Districts 105, 106, and 107.

The District 101 purse seine fishery (Table 1) opened on 4 July (Statistical Week 27). During the

initial opening, 14 boats caught approximately 15 thousand pink, 2.6 thousand chum, 1.9 thousand sockeye, and 0.8 thousand coho salmon. There were four openings over the next three weeks as pink salmon returns were building. Beginning in Week 31, pink salmon catches in District 101 increased dramatically indicating a strong return. Peak openings in District 101 were in Week 32, the average harvest timing for this area. In 2002, there were no openings to target McDonald Lake sockeye salmon in upper West Behm Canal. For 2002, approximately 8 million pink, 180 thousand chum, 26 thousand sockeye, and 54 thousand coho were harvested in the District 101 common property purse seine fishery.

To harvest hatchery-origin chum salmon a small section the District 102 purse seine fishery, immediately adjacent to the Kendrick Bay Special Harvest Area, was open for three fishing periods in Weeks 26, 27 and 28 (Table 2). The District 102 common property pink salmon purse seine fishery began in Week 29. While peak catches of pink salmon occurred between Weeks 31-34 with over 5.5 million caught, pink catches remained relatively good through the end of August. Over 6.6 million pink, 400 thousand chum, 78 thousand coho, and 30 thousand sockeye salmon were harvested in the District 102 common property fishery.

No boats fished the initial District 103 opening in Week 31 (Table 3). Only eight boats fished the second opening in Week 32, catching 126 thousand pink and 6 thousand chum salmon. Good pink catches, along with an increased effort, began in Week 32 and lasted into week 35. During this period (August 9-25), almost 4.5 million pink salmon were harvested. For 2002, approximately 5 million pink, 222 thousand chum, 6 thousand sockeye, and 51 thousand coho salmon were harvested in the District 103 common property purse seine fishery

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

The District 104 purse seine fishery opens the first Sunday in July; in 2002, the initial opening was July 7 (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 686,000 Nass and between 800,000 to 1.2 million Skeena sockeye salmon. The preseason forecasts resulted in a total projected return of between 1.49 and 1.89 million with a resulting AAH of between 486,000 and 786,000. Using this forecast, the pre-Week 31 allowable harvest was a minimum of 11,900 Nass and Skeena sockeye salmon. Preliminary indications were that the actual return of both Nass and Skeena River sockeye were higher than forecast that would result in an increase in the AAH.

In the 2002 treaty period, 26,554 sockeye were harvested in five openings totaling 72 hours (Table 4). The sockeye harvested during this period have historically averaged 60% to 80% Nass and Skeena origin. In general, the number of purse seine vessels fishing in District 104 was low this year. The total number of vessels in the fishery fell from 32 in the initial opening, to 17 in the final opening during the period covered by the Treaty. This was a substantially lower number of vessels than in past years.

The fleet moves freely between districts, so seining opportunities elsewhere can affect the catch and effort in District 104. Shorter fishing time allowed in the initial openings in District 104, as well as poor catches in that fishery throughout the season, resulted in increasing numbers of boats

leaving to fish elsewhere as the season progressed. The average number of days and boat-days fished pre-Week 31 in District 104 continued to decline as did the sockeye catch.

In the post-Treaty portion of the season, beginning in Week 31, the District 104 purse seine fishery was initially opened the same dates and hours as openings in Districts 101 and 102. Catches of pink, sockeye, and chum salmon continued to be poor. Relatively few boats were fishing District 104 and their number continued to drop throughout the season as effort moved to inside waters where the catch was better. By mid-August, fewer than 10 purse seine vessels were fishing in District 104. From late August through September 2, District 104 was open for several periods but no purse seine vessels fished in the district after August 25.

In 2002, the District 104 purse seine fishery harvested 838 thousand pink salmon, 75 thousand chum, 34 thousand sockeye, 16 thousand coho, and 1.2 thousand chinook salmon. These catches of sockeye, pink, and coho salmon are the lowest recorded since the late 1970's. Low catches of all species in the District 104 purse seine fishery may have been due to a change in migratory routing since the catch in other Alaskan and Canadian fisheries was good and both the Nass and Skeena sockeye runs were larger than forecast.

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

For the 2002 season, the combined Districts 105, 106, and 107 purse seine fisheries harvested over 1 million pink, 449 thousand coho, 255 thousand chum, 60 thousand sockeye, and 13 thousand 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. 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 District 101 gillnet fishery was initially opened Sunday June 16 (Week 25) for a 4-day fishery followed by a 3-day opening in Week 26, 4-days in Week 27, 3-days in Week 28, and 4-days in Week 29. In Week 30 (July 21), the Pink Salmon Management Plan was implemented resulting in the District 101 gillnet fishery being opened 4-days. Sockeye and coho harvests during these early openings were above average while chum harvest was below average. Poor chum catches resulted in some reduction in fishing time. The cumulative sockeye harvest prior to the initiation of the Pink Salmon Management Plan in Week 30 was 104,626 fish, or about 87% of the season's total sockeye harvest. Preliminary assessment of the Nass River sockeye salmon indicated the return at numbers higher than the 686,000 forecast by DFO.

The fishery was managed according to the Pink Salmon Management Plan from Week 30 through Week 36. During this time the gillnet fishery was opened for 4-days in Week 30, followed by 5-day openings each week through Week 35, and a 4-day opening in Week 36. During this time, the effort (boats-days) was well below Treaty averages as were the sockeye, chum, and coho salmon harvests.

Starting on September 8 (Week 37) and continuing through the close of the fishery on September 25 (Week 39), the fishery was managed on the strength of the fall chum and coho returns. Chum and coho harvests were below Treaty averages these weeks. The below average catches were more a reflection of the reduced effort at Tree Point in 2002, as coho escapements were generally good throughout Southeast Alaska and Northern B.C..

A total of 120,353 sockeye, 512,536 pink, 144,920, 33,516 coho, and 814 chinook salmon were harvested in the District 101 drift gillnet fishery in 2002 (Table 5). The sockeye harvest and number of boat-days and boats fished was below the 1985-2001 average and the days fished was above average. The number of unique boats fishing annually, since the Treaty was signed, has dropped from a high of 198 in 1986 to 76 in 2002. 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 2002 season.

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

For 2002, the Districts 106 drift gillnet fishery harvested 226 thousand coho, 112 thousand chum, 83 thousand pink, 56 thousand sockeye, and 440 chinook salmon (Table 6).

### **Annette Island Reserve Fisheries**

For 2002, the Annette Island purse seine fishery harvested approximately 1 million pink, 21 thousand chum, 13 thousand sockeye, 8 thousand coho, and 550 chinook salmon (Table 7). The Annette Island gillnet fishery harvested approximately 289 thousand pink, 62 thousand chum, 22 thousand sockeye, 42 thousand coho, and 1,200 chinook salmon (Table 8).

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

The 2002 pink salmon escapement indices (Table 9) had mixed results throughout SSE Alaska. Even though some stock groups did not reach the 1990-1999 averages, they were still above their minimum escapement goals. The District 101 pink salmon escapement index was 3.25 million fish, above the upper goal of 3.0 million. The District 102 pink salmon escapement index of 1.68 million fish was above the upper goal of 1.1 million pink salmon. The District 103 pink salmon escapement index of 3.14 million fish was above the upper goal of 2.55 million pink salmon. The District 105 pink salmon escapement index of 0.68 million fish was at the upper goal of 0.65 million pink salmon. The District 106 pink salmon escapement index of 0.60 million fish was

within the goal range of 0.60 to 0.85 million pink salmon. The District 107 pink salmon escapement index of 0.56 million fish was just below the lower goal limit of 0.60 million pink salmon. When summed across Districts 101-108, escapement indices totaled 9.92 million, above the 6.0 – 9.0 million index goal range for the southern Southeast Alaska sub-region.

Programs to estimate escapements of sockeye salmon were in place for nine systems in southern Southeast Alaska in 2002; Hetta, Hugh Smith, Luck, Klawock, McDonald, Salmon (Karta), Salmon Bay (N. Prince of Wales), and Thoms Lakes. All estimates at this time are preliminary. The sockeye escapement to Hugh Smith Lake was  $6,059 \pm 187$ , based on mark-recapture counts. There were an additional 167 jacks enumerated at the weir that are not included in this population estimate. The sockeye escapement to Luck Lake was  $16,000 \pm 1,200$  (90% C.I.), based on mark-recapture counts. Klawock Lake had a preliminary weir count of 14,000 with a total escapement based on mark-recapture counts not completed at this time. The escapement of sockeye salmon into McDonald Lake was estimated to be 26,000 based on the expanded foot survey index. Salmon Lake escapement was estimated at 7,600 based on the expanded foot survey index. Salmon Bay Lake escapement was estimated at  $43,000 \pm 10,000$  (90% C.I.) based on mark-recapture counts. Thoms Lake escapement was estimated at  $6,000 \pm 650$  based on mark-recapture counts. The sockeye escapement to Hetta Lake was  $2,400 \pm 100$  (90% C.I.), based on mark-recapture counts.

Escapements of summer and fall run chum salmon were generally well distributed throughout southern Southeast Alaska. Index escapement counts were 53.4% below the 1990-2000 average. This low escapement was partially attributed to lack of surveys during the peak timing due to poor weather. The escapement of chum salmon into Fish Creek at the head of Portland Canal was estimated to be 24,000 (95% prediction interval = 16,500-35,000) based on expanded foot survey counts; this was at the 10-year average of 23,500, and well above the recent 5-year average of 15,000.

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

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

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

As background, this 2.45% AAH value was based on the weighted-average percent of the Nass and Skeena sockeye AAH that would have been harvested in this fishery, during the 1985-1996 period, if the annual pre-week 31 harvest had been exactly 120,000 sockeye salmon. 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 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.

### ***2003 Salmon Forecast for Southern Southeast Alaska***

The 2003 pink salmon return to Southeast Alaska is expected to be very strong. The Alaska Department of Fish and Game's forecast is for a total adult return estimate of between 57.0 and 87.0 million, an escapement index goal range of between 24.0 and 37.0 million, and a harvest estimate of between 32.0 and 55.0 million pink salmon in all of Southeast Alaska in 2003. Separate forecasts for northern and southern Southeast Alaska show strong returns throughout all areas. The estimated return distribution between southern and northern Southeast Alaska is 61% and 39%, respectively.

Formal forecasts are not made for species other than pink salmon in Southeast Alaska. However, returns of coho, sockeye, and chum salmon are projected to be good, comparable to the levels observed in recent years. The return of sockeye salmon to McDonald Lake in 2003 is estimated to be below normal.



## NORTHERN BRITISH COLUMBIA

### *2002 Salmon Forecast*

#### **Area 1 Expectations**

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

**Pink** Poor returns were expected for Area 1 pinks.

**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 686 thousand was expected. Due to poor expectations for Skeena sockeye, no interception of passing Skeena stocks was anticipated in 2002.

**Pink** A Nass pink return of 1.1 million was expected to provide an Area 3 catch of 750 thousand, along with an anticipated interception of 750,000 Alaskan pinks. No contribution was anticipated by Skeena pink stocks, as the 2002 forecast was very poor.

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

**Fishing Plans** A very modest sockeye and pink fishery was anticipated in Area 3 in 2002

#### **Area 4 Expectations**

**Sockeye** The Skeena sockeye return was forecast to be between 800 thousand and 1.2 million. No harvestable surplus was expected. Some non-Babine, wild Skeena sockeye stocks remain a conservation concern.

**Pink** Skeena pink escapements were poor in the brood year resulting in a possible surplus being forecast for 2002. Exploitation of this surplus will be carried out with very strict conservation restrictions to protect weak Skeena sockeye and coho stocks.

**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 2002 management plans.

#### **Area 5 Expectations**

**Sockeye** No directed Skeena or local Area 5 sockeye fisheries were anticipated in 2002.

**Pink** Local Area 5 pink returns in 2002 were expected to produce a surplus of about 700 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 poor returns of Skeena sockeye and pink salmon.

### ***Review of 2002 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 2002. The Area 1 terminal gillnet and seine fishery was open for a total of three fishing periods. Gillnets and seines were opened for 16 hours on August 13 to assess Masset Inlet pink stocks, with no vessels attending. The second opening, on September 1 and 2, was attended by 1 gillnet and 7 seine vessels but catch was negligible. Further opportunities during late September to harvest surplus Masset Inlet chum salmon were attended by 1 gillnet vessel on September 22 at which time few fish were caught. Table 10 summarizes the 2002 Area 1 gillnet fisheries.

Troll harvest opportunities were limited due to continued management concerns for chinook and coho. There were three troll openings in Area 1, the first for chinook salmon from April 1 to June 8, which saw harvest confined to the north shore and north-west portions of Graham Island. The second opening was August 1 and remained open until September 30 in conjunction with the Area 2W September 8-30 opening. This area opened for all species of salmon except chinook. The third opening included the previously opened areas and permitted retention of all species except sockeye. These areas opened on September 8 and continued through to September 30, while Area 1 has remained open to present.

The preliminary catch estimate for the Area 1 portion (includes Area 101) of the 2002 troll fishery is 6,538 sockeye, 83,354 coho, 31,944 pink, 453 chum, and 49,940 chinook (Table 11).

#### **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 in mid-June. 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. Pre-season estimates of the total return to Canada for Nass sockeye was 686,000 fish.

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 early-September. In 2002, as in 2001, all Area 3 net fisheries operated with a non-retention, non-possession restriction for coho and were further restricted to daylight only fishing times. Similar restrictions were placed on chum salmon for the seine fishery after July 30 due to concerns over weak returns to Area 3 streams. To protect weak local non-Nass chinook stocks, seines were prohibited from chinook retention while the gillnet fleet was requested to release all live specimens. To protect passing mixed stock coho populations, sub-area 3-1 was closed for the season.

Weekly 2002 hauled catch data by gear type for Area 3 are presented in Tables 12-15.

The 2002 Area 3 gillnet fishery began on June 11 (Week 24) with one 16-hour opening in sub-Areas 3-3, 4, 7 and 12 (94 boat-days of effort) to assess Nass River sockeye run strength. Sockeye catches were well above normal for this time of year. A second similar opening on June 12 also led to very high catches. With a combined total effort of 188 boat-days, the hauled catch for the two openings was 38,684 pieces, compared to a 1990's average of 1,544 fish, giving evidence of a strong return to the Nass River.

With an early indication of strong Nass sockeye returns, three 16-hour openings were permitted during Week 25 with 477 boat-days of effort hailing a sockeye catch of 29,422 fish. Following a weaker, but still relatively strong catch during the second opening of the week, sub-Area 3-12 was removed from the open sub-areas on the third opening of the week to allow fish to escape into the Nass River.

Sub-area 3-12 was re-opened for fishing during Week 26. During the two 16-hour fishing periods the sockeye hauled catch was 30,475, with fishing effort decreasing to 399 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 well above average. In addition, the initial inseason projected total return to Canada was 740 thousand. Pink salmon first appeared in catches during this week.

Catches rose sharply during the four 16-hour openings in Week 27 with the 683 boat-days of effort harvesting 149,372 sockeye. As a result, the inseason estimate of total Nass sockeye returns to Canada increased substantially to 970 thousand. Preliminary Nass fish wheel estimates also showed promising results for up-river sockeye escapement. The fishing area was expanded to include sub-area 3-2.

With exceptional returns of Nass sockeye to Area 3, a total of four 16-hour openings were permitted during Week 28. The resulting hauled catch was 87,026 sockeye for 469 boat-days of effort. This catch, coupled with continued promising fish wheel escapement estimates, projected a stock estimate of 950 thousand sockeye. By this time a portion of the fleet that had been fishing Area 3 had shifted to Area 4 as Skeena sockeye returns appeared to be stronger than expected.

The seine fleet entered the Area 3 fishery during Week 29, with three 15-hour fisheries scheduled in all sub-areas except 3-12, to intercept abundant Nass sockeye and the early

component of returning Nass and Alaskan pink stocks. During the week, 70 boat-days of seine effort harvested 11,918 sockeye, 68,353 pinks and 8,213 chum. Meanwhile, gillnet effort dropped to 211 boat-days, with a catch of 25,416 sockeye, 12,606 pink and 1,591 chum during four 15-hour openings. Total Nass sockeye total return estimates dropped to approximately 860 thousand, while fish wheel in-river escapement estimates reached over 250 thousand.

Gillnet openings in Week 30 remained at four 15-hour fishing periods. In addition, seine vessels were given four openings to intercept strong returns of Nass sockeye and pink salmon, and to further assess returns of Nass pink salmon. By this time, it became apparent that pink salmon returns to Area 3 were much stronger than the pre-season forecast. The gillnet fleet (336 boat-days) harvested 47,651 sockeye, 56,929 pink, and 2,378 chum while the seine effort of 58 boat-days caught 12,390 sockeye, 268,056 pink, and 16,036 chum. With higher tag recovery rates, the mark-recapture estimate became more accurate this week, resulting in a slight drop in the in-river fish wheel escapement estimate, predicting that approximately 245 thousand sockeye had passed the fish wheels by July 26.

During Week 31, five 15-hour openings were scheduled for seines, while four similar-duration openings were announced for the gillnet fleet, as pink and sockeye returns remained strong. The seine fleet caught 9,056 sockeye, 385,640 pink, and 2,774 chum with 51 boat-days of effort while 131 boat-days of gillnet effort harvested 17,328 sockeye, 47,721 pink, and 1,405 chum. July 30 represented the final day of fishing the outer portions of Area 3 for the gillnet fleet. The fish wheel mark-recapture escapement estimate reached 300 thousand by the end of this week.

Week 32 was the final week of fishing for the gillnet fleet, with two 15-hour openings resulting in 44 boat-days of effort catching 4,986 sockeye, 11,182 pink, and 150 chum. The final gillnet opening was on August 8. Meanwhile, seiners were allowed to fish five 15-hour openings and with 69 boat-days of effort, caught 7,097 sockeye and 660,164 pink.

The seine fleet again fished five openings during Week 33, with each opening being of 13-hours in duration. The catch of 2,019 sockeye and 321,044 pinks was made with 35 boat-days of effort.

Week 34 was the final week open to the seine fleet, with three 13-hour fishing periods being scheduled. Seine effort dropped to 10 boat-days for the week, with reported total catches decreasing to 380 sockeye and 72,336 pinks. The last fishing date for seines was August 21.

In 2002, gillnets fished a total of 2,882 boat-days of effort, almost triple the effort of 2001. Seines accumulated 276 boat-days of effort over the season, a slight increase over 2001 but still well below the 1973-1984 average of 1,102 boat-days and the 1985-1998 average of 1,257 boat-days. In 2002, 55 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 430,360 and 42,860, respectively, were higher than pre-season expectations for the gillnet fleet but below expectations for seines. The catch of 143,276 pink salmon by gillnet and 1,775,530 by seine were above the anticipated harvest for both fleets as returns to Canada were much stronger than anticipated. Of the total Area 3 pink

net catch, 49.3% (946,781) 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 sockeye escapement estimates to the Nass totalled 405,473. Pink escapements for all stocks to Area 3 were generally above target levels with a total escapement of 582,958. Chum escapements to Area 3 were well below average in 2002, with a preliminary estimate of 17,797.

Table 22 outlines Area 3 escapements for 2002

#### **Area 4**

The 2002 fishing plan for Area 4 was developed primarily to address concerns for upper Skeena coho and wild Skeena sockeye stocks (primarily early-timed stocks). In addition, the plan was developed around “weekly harvest rate ceilings” as opposed to harvesting to a weekly escapement goal. Skeena sockeye returns were forecast to be around 1.2 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 2002, in-season Skeena River sockeye escapement predictions were over-estimated significantly. The large, extended spring floods experienced in the Skeena River resulted in a highly irregular river entrance and upstream migration pattern, with sockeye migrating past the Tyee test fishing site nearly a week earlier than normal and in large schools interspersed with periods of relatively few migrating fish. Furthermore, the Babine River counting facility was not installed until August 7, almost 2 weeks later than normal due to sustained high water. Summaries of the 2002 gillnet and seine weekly catch and effort are provided in Tables 16 and 17.

The Area 4 gillnet fishery began on June 19 (Week 25) with one 28-hour opening scheduled to harvest Skeena chinook salmon at a terminal location (sub-Area 4-15). Effort for the week was 120 boat-days and the hailed catch was 1,371 chinook, an average catch for this opening. In Week 27, the fishery was opened for an additional 24-hours. The chinook hailed catch for 48 boats-days of effort in this opening was 687 fish, giving a total directed chinook catch of 2,058. 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 27 with one 16-hour opening. Effort for the day was 126 boat-days, catching 26,758 sockeye, along with a by-catch of 514 chinook, 248 pink, and 485 chum.

By Week 28, the Tyee test fishery was predicting a stronger than expected return of sockeye to the Skeena River resulting in five days of gillnet fishing permitted. These 16-hour fisheries

resulted in 1,118 boats-days of effort, with a sockeye hauled catch of 170,523 sockeye, 2,102 large chinook, 4,624 chum, and 7,563 pink.

Week 29 was the first week of seine fishing, with one 16-hour opening resulting in a catch of 11,630 sockeye, 269 chum, and 1,516 pink for 33 boat-days of seine effort. Chinook and coho retention was prohibited for the seine fleet over the course of the season with the requirement to brail all catch and release non-target species. In addition, the seine fleet was also prohibited from retaining or possessing chum salmon after July 30. Meanwhile, the gillnet fleet (792 boat-days of effort) caught 118,381 sockeye, 1,253 chinook, 2,722 chum, and 7,565 pink. After July 18, as was the case in 2001, special measures to limit mortality of Skeena coho stocks were initiated. For gillnets, past studies indicated coho mortality was reduced to a lower level when set time was reduced to less than 45 minutes. In order to achieve this objective, the gillnet fleet was directed to reduce the length of their gillnets to 100 fathoms (from the regular length of 200 fathoms) and limit soak time (the time from last cork in to first cork out) to 20 minutes when fishing the inside portion of Area 4 (to approximate the 45 minute overall set-time goal). These regulations were enforced for the remaining Area 4 gillnet fishery in 2002. Pink salmon appeared for the first time in the Tyee test fishery, almost 2 weeks later than the 1990's even-year average.

During Week 30, the seine fleet fished four 15-hour openings while the gillnet fleet fished two days. The gillnet fleet (430 boat-days) caught 69,661 sockeye, 6,357 pink, 598 chum, and 770 large chinook. A total seine effort of 73 boat-days caught 56,552 sockeye, 33,652 pink, and 1,982 chum. The Tyee test fishery continued to show a stronger than expected sockeye return and poor pink salmon returns to date.

With continued indication from the Tyee test fishery of a strong sockeye return to the Skeena River, the gillnet fleet was allowed to fish four 15-hour openings during Week 31. During those days, 711 gillnet boat-days of effort caught 105,848 sockeye, 57,815 pink, 1,119 chum, and 146 large chinook. The seine fleet put forth 45 boat-days of effort during five openings and retained 21,619 sockeye, 261,570 pink, and 683 chum. This week marked the first week when pink salmon returned in strength to the Skeena approach waters. Due to growing concern over weak returns, July 30 represented the final day chum salmon were permitted to be retained by the seine fleet. In addition, gillnetters were requested to release all live chum. These regulations remained in effect until the end of the fishing season.

Week 32 was the final week for the gillnet fleet, with two 15-hour openings being permitted (August 5 and 8). Combined hauled catch for those days (213 boat-days of effort) was 14,583 sockeye, 42,480 pink, 436 chum, and 29 large chinook. The fishery was then terminated to protect Skeena coho stocks. Meanwhile, the seine fleet fished five 15-hour openings to target strong pink salmon returns, during which 18 boat-days of effort retained 3,578 sockeye and 82,565 pink.

A very strong showing of pink salmon past the Tyee test fishery allowed for five 13-hour seine openings during Week 33. The fleet (18 boat-days of effort) caught 5,500 sockeye and 349,605 pink salmon.

Continued strong pink returns in Week 34 permitted three additional 13-hour seine openings. An average of 7 boat-days fishing for each day resulted in a combined catch of 2,487 sockeye and 164,310 pink salmon. The 2002 Area 4 net fishery was terminated for the remainder of the season on August 23.

For gillnets in 2002 there was a total of 19 openings with a total of 3,559 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 506,212 sockeye, 122,028 pink, 9,994 chum, and 6,872 large chinook. The seine fleet was allowed 23 fishing days for a total effort of 218 boat-days. Total hailed catch for the seine fleet was 101,375 sockeye, 893,218 pink, and 2,934 chum.

The preliminary Skeena sockeye escapement estimate of 625,000 was below the spawning target of 900,000. Both wild and enhanced Babine stocks were below target, with a net Babine escapement of 600,000. The Skeena chum escapement estimate was also very low. Meanwhile, pink escapements to Coastal systems and the Lakelse River were strong, but escapements to other Skeena River tributaries were below target.

Table 22 provides the 2002 Area 4 spawning escapement estimates.

## **Area 5**

Management of the Area 5 fishery during July was based on below average Skeena sockeye abundance with limited openings set to allow for exploitation of Skeena sockeye stocks. From late July to early August, the fishery targeted greater than anticipated Skeena sockeye and pink stocks using Area 5 as a migration route. In mid to late August, fisheries were managed to target local pink stocks. Tables 18 and 19 provide the weekly total Area 5 catch and effort for 2002.

In 2002, there were 17 gillnet openings scheduled for Area 5 to exploit passing Skeena sockeye and pink returns and Area 5 pink stocks but the fleet opted to participate in 9 openings to account for a total effort of 43 boat-days effort. Total hailed catch was 8,893 sockeye, 1,550 pink, 2,616 chum, and 29 large chinook for the fleet. Non-retention, non-possession of coho was enforced for the gillnet fleet.

Pre-season expectations were for limited seine opportunities to intercept a portion of the projected weak 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 less than two vessels per day participated in the 25 openings between July 15 and August 22, due mostly to poor participation during the sockeye directed openings earlier in the season. Larger than anticipated Skeena pink salmon returns and strong local Area 5 pink stocks led to a greater fishing effort than expected during the latter part of the fishing season. Total fishing effort was 65 boat-days, with a total hailed catch of 6,896 sockeye, 689,768 pink, and 657 chum. Chinook, coho, and steelhead were non-retention, non-possession species throughout the seine season. In addition, mandatory chum release was enforced after July 30 to protect weak Skeena chum stocks.

The 2002 Area 5 escapement information is provided in Table 22.

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

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

For 2002, 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. An above-average return of pink salmon was anticipated for Area 3 stocks because of good escapements in the brood year while a below-average return was expected for Area 4 pink stocks. A strong return was expected for the SSE Alaska pink stocks adjacent to the northern boundary area. The AAH for 2002 was 31.4 million, providing a Canadian catch allowance of 782,674 pink salmon (Table 20). The Canadian pink catch in 2002 in sub-areas 3-1 to 3-4 was 946,781 with an estimate of the Alaska stock component of this catch of 524,245. This harvest was 1.67% of the AAH, well below the targeted AAH of 2.49%, leaving a post-2002 “cumulative underage” of 747,314 pink salmon for the annex years.

The total Canadian commercial net pink salmon catch of 946,781 fish in sub-areas 3-1 to 3-4 was lower than the 1985-2000 average catch of 1.46 million. The low harvest resulted from a combination of poor returns of Skeena area pink stocks and coho management restraints on Canadian net fisheries in sub-areas 3(1-4) to reduce the harvest of Skeena coho. The percentage of the 2002 Area 3 net catch taken in sub-areas 3(1-4) was 49.3%, which was below the 1985-2000 average of 58%.

Pink escapements in 2002 were at or above target in Area 3, Coastal Area 4, the Lakelse River, and Area 5 while being below target for most Skeena River tributaries.

#### **Area 1 Pink Troll Fishery**

For 2002, 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. The AAH for 2002 was 31.4 million providing a Canadian catch allowance of 807,821 Alaskan pink salmon (Table 21). The Canadian commercial troll fishery in Area 1 was open in the northern portion of the area from August 1 to September 30. The fishery harvested a total of 41,418 pink salmon, with a preliminary estimate of 28,409 of Alaskan origin. This translates into 0.09% of the AAH, well below the annex agreement for 2.57 percent of the AAH of Alaskan Districts 101, 102, and 103 pink salmon.

### ***2003 Salmon Forecast Northern British Columbia***



Expectations and fishing plans for 2003 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 23.

### **Area 1 Expectations**

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

**Pink** Area 1 pinks is an even-year stock and, as a result, no commercial fishing opportunities are expected.

**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 return to Area 3 of 711 thousand is expected, providing a modest Area 3 commercial harvest opportunity. Due to poor expectations for Skeena sockeye, no directed interception of passing Skeena stocks is anticipated in 2003.

**Pink** A Nass pink return of 2.55 million is expected to provide an Area 3 catch of 2.0 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 2003, with possible conservation measures to protect weak local chinook and chum stocks.

### **Area 4 Expectations**

**Sockeye** The Skeena sockeye return is forecast to be 1.2 million. A small harvestable surplus is possible. Some wild Skeena sockeye stocks remain a conservation concern.

**Pink** Skeena pink escapements were below-average in the brood year resulting in a possible surplus of approximately 1.0 million fish being forecast for harvest in 2003. Exploitation of this surplus will be carried out with strict conservation 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 Upper Skeena coho management concerns and poor sockeye and chum returns will be the key factors in developing the 2003 management plans.

## **Area 5 Expectations**

***Sockeye*** No local Area 5 sockeye fisheries are anticipated in 2003.

***Pink*** Local Area 5 pink returns in 2003 are expected to produce a surplus of about 600 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 sockeye and chum salmon.

## TABLES

Table 1. Weekly commercial catch and fishing effort by opening in the 2002 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
27B	Thursday	7/4	5:00 AM	Thursday	7/4	8:00 PM	15	14	210	0	1,875	766	14,808	2,686	20,135
28	Sunday	7/7	5:00 AM	Sunday	7/7	8:00 PM	15	12	180	0	3,981	522	5,023	3,647	13,173
29	Sunday	7/14	5:00 AM	Sunday	7/14	8:00 PM	15	27	360	1	1,850	1,354	72,795	5,942	81,942
29B	Thursday	7/18	5:00 AM	Thursday	7/18	8:00 PM	15	22	330	0	1,431	2,352	92,027	4,735	100,545
30	Sunday	7/21	5:00 AM	Sunday	7/21	8:00 PM	15	30	450	134	3,097	2,903	128,596	4,265	138,995
30B	Thursday	7/25	5:00 AM	Thursday	7/25	8:00 PM	15	35	525	106	1,652	1,640	192,141	9,966	205,505
31	Sunday	7/28	5:00 AM	Monday	7/29	8:00 PM	39	40	1,560	654	2,853	3,403	627,556	24,482	658,948
31B	Thursday	8/01	5:00 AM	Friday	8/02	8:00 PM	39	43	1,677	214	1,830	3,523	597,699	15,383	618,649
32	Monday	8/5	5:00 AM	Tuesday	8/6	8:00 PM	39	61	2,379	74	1,779	3,855	1,127,138	12,922	1,145,768
32B	Friday	8/9	5:00 AM	Saturday	8/10	8:00 PM	39	70	2,730	74	2,026	5,957	1,216,116	26,387	1,250,560
33	Tuesday	8/13	5:00 AM	Tuesday	8/13	8:00 PM	15	45	675	9	1,058	2,061	439,731	10,019	452,878
33B	Wednesday	8/14	5:00 AM	Wednesday	8/14	8:00 PM	15	49	735	18	304	1,858	479,263	7,750	489,193
33C	Thursday	8/15	5:00 AM	Thursday	8/15	8:00 PM	15	39	585	6	164	1,042	322,952	2,602	326,766
33D	Friday	8/16	5:00 AM	Friday	8/16	8:00 PM	15	31	465	5	168	1,118	181,556	2,005	184,852
34	Sunday	8/18	6:00 AM	Sunday	8/18	9:00 PM	15	43	645	23	171	1,442	332,433	5,287	339,356
34B	Monday	8/19	6:00 AM	Monday	8/19	9:00 PM	15	47	705	3	204	1,860	436,510	6,639	445,216
34C	Tuesday	8/20	6:00 AM	Tuesday	8/20	9:00 PM	15	36	540	3	95	1,394	288,508	5,340	295,340
34D	Wednesday	8/21	6:00 AM	Wednesday	8/21	9:00 PM	15	30	450	3	94	924	212,380	2,957	216,358
34E	Friday	8/23	6:00 AM	Friday	8/23	9:00 PM	15	46	690	4	352	4,848	436,622	6,673	448,499
34F	Saturday	8/24	6:00 AM	Saturday	8/24	9:00 PM	15	27	405	0	118	1,631	219,190	4,016	224,955
35	Sunday	8/25	6:00 AM	Sunday	8/25	9:00 PM	15	18	270	6	122	1,645	153,949	2,614	158,336
35B	Monday	8/26	6:00 AM	Monday	8/26	9:00 PM	15	10	150	0	68	1,094	94,073	1,995	97,230
35C	Wednesday	8/28	6:00 AM	Wednesday	8/28	9:00 PM	15	11	165	0	210	2,217	84,315	3,442	90,184
35D	Thursday	8/29	6:00 AM	Thursday	8/29	9:00 PM	15	12	180	1	145	2,122	105,945	4,539	112,752
35E	Friday	8/30	6:00 AM	Friday	8/30	9:00 PM	15	10	150	0	36	984	72,377	3,333	76,730
35F	Saturday	8/31	6:00 AM	Saturday	8/31	9:00 PM	15			Confidential information, less than 3 boats fishing					
36	Monday	9/2	6:00 AM	Tuesday	9/3	9:00 PM	39	3	117	0	4	1,766	29,621	590	31,981
<b>Season Total</b>							<b>525</b>	<b>811</b>	<b>17,328</b>	<b>1,338</b>	<b>25,687</b>	<b>54,281</b>	<b>7,963,324</b>	<b>180,216</b>	<b>8,224,846</b>

Table 2. Weekly commercial catch and fishing effort by opening in the 2002 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
19	26	Sunday	6/23 5:00 AM	Wednesday	6/26 8:00 PM		87	3	261	0	1,507	210	1,089	2,396	5,202
	27	Sunday	6/30 5:00 AM	Thursday	7/4 8:00 PM		111	21	2,331	0	3,700	6,111	57,432	39,535	106,778
	28	Sunday	7/7 5:00 AM	Wednesday	7/10 8:00 PM		87	44	3,828	24	4,134	5,451	55,344	38,462	103,415
	29	Sunday	7/14 5:00AM	Sunday	7/14 8:00 PM		15	7	105	0	893	780	5,901	7,107	14,681
	29B	Thursday	7/18 5:00 AM	Thursday	7/18 8:00 PM		15	12	180	5	1,918	1,986	17,555	15,400	36,864
	30	Thursday	7/21 5:00 AM	Thursday	7/21 8:00 PM		15	17	255	99	1,340	2,044	40,181	14,612	58,276
	30B	Thursday	7/25 5:00 AM	Thursday	7/25 8:00 PM		15	10	150	11	653	1,172	25,102	6,823	33,761
	31	Sunday	7/28 5:00 AM	Monday	7/29 8:00 PM		39	13	507	131	1,452	3,772	114,606	10,383	130,344
	31B	Thursday	8/01 5:00 AM	Friday	8/2 8:00 PM		39	34	1,326	269	2,983	6,875	564,204	13,515	587,846
	32	Monday	8/5 5:00 AM	Tuesday	8/6 8:00 PM		39	47	1,833	138	2,597	5,903	1,006,287	13,454	1,028,379
	32B	Friday	8/9 5:00 AM	Saturday	8/10 8:00 PM		39	55	2,145	7	2,847	6,563	962,438	23,036	994,891
	33	Tuesday	8/13 5:00 AM	Tuesday	8/13 8:00 PM		15	54	810	12	1,425	4,704	442,048	10,401	458,590
	33B	Wednesday	8/14 5:00 AM	Wednesday	8/14 8:00 PM		15	45	675	18	1,022	3,666	458,738	11,961	475,405
	33C	Thursday	8/15 5:00 AM	Thursday	8/15 8:00 PM		15	28	420	13	245	1,344	238,618	4,658	244,878
	33D	Friday	8/16 5:00 AM	Friday	8/16 8:00 PM		15	38	570	11	381	2,288	419,120	10,733	432,533
	34	Sunday	8/18 6:00 AM	Sunday	8/18 9:00 PM		15	41	615	39	381	2,142	451,390	7,433	461,385
	34B	Monday	8/19 6:00 AM	Monday	8/19 9:00 PM		15	42	630	17	487	2,195	458,467	7,957	469,123
	34C	Tuesday	8/20 6:00 AM	Tuesday	8/20 9:00 PM		15	40	600	4	333	1,677	355,266	6,167	363,447
	34D	Wednesday	8/21 6:00 AM	Wednesday	8/21 9:00 PM		15	13	195	0	160	884	70,377	3,070	74,491
	34E	Friday	8/23 6:00 AM	Friday	8/23 9:00 PM		15	7	105	2	92	350	96,281	2,524	99,249
	34F	Saturday	8/24 6:00 AM	Saturday	8/24 9:00 PM		15	13	195	2	137	1,018	137,801	5,855	144,813
20	35	Sunday	8/25 6:00 AM	Sunday	8/25 9:00 PM		15	16	240	2	171	1,751	155,821	9,077	166,822
	35B	Monday	8/26 6:00 AM	Monday	8/26 9:00 PM		15	9	135	0	89	658	76,723	4,570	82,040
	35C	Wednesday	8/28 6:00 AM	Wednesday	8/28 9:00 PM		15	16	240	3	192	1,848	166,028	12,066	180,137
	35D	Thursday	8/29 6:00 AM	Thursday	8/29 9:00 PM		15	18	270	0	152	2,189	101,998	13,245	117,584
	35E	Friday	8/30 6:00 AM	Friday	8/30 9:00 PM		15	12	180	4	133	1,435	62,648	7,949	72,169
	35F	Saturday	8/31 6:00 AM	Saturday	8/31 9:00 PM		15	6	90	0	34	1,013	36,534	3,648	41,229
	36	Monday	9/2 6:00 AM	Tuesday	9/3 9:00 PM		39	9	351	0	111	1,842	55,729	13,135	70,817
	37	Tuesday	9/10 7:00 AM	Wednesday	9/11 7:00 PM		36	30	1,080	0	58	2,879	14,120	23,390	40,447
	38	Sunday	9/15 7:00 AM	Wednesday	9/18 7:00 PM		84	29	2,436	0	32	2,222	3,610	46,122	51,986
	39	Sunday	9/22 7:00 AM	Saturday	9/28 11:59 PM		161	27	4,347	0	8	1,140	89	29,599	30,836
	40	Sunday	9/29 12:00 AM	Wednesday	10/2 7:00 PM		91			Confidential information, less than 3 boats fishing.					
<b>Season Total</b>							<b>1,152</b>	<b>756</b>	<b>27,105</b>	<b>811</b>	<b>29,667</b>	<b>78,112</b>	<b>6,651,545</b>	<b>418,283</b>	<b>7,178,418</b>

Table 3. Weekly commercial catch and fishing effort by opening in the 2002 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
31B	Thursday	8/01	5:00 AM	Friday	8/2	8:00 PM	39	0	0	0	0	0	0	0	0
32	Monday	8/5	5:00 AM	Tuesday	8/6	8:00 PM	39	8	312	10	622	3,134	126,111	5,933	135,810
32B	Friday	8/9	5:00 AM	Saturday	8/10	11:59 PM	43	26	1,118	5	835	4,621	354,982	23,917	384,360
33	Sunday	8/11	12:01 AM	Monday	8/12	8:00 PM	44	38	1,672	10	995	5,099	477,992	18,031	502,127
33B	Tuesday	8/15	5:00 AM	Friday	8/16	8:00 PM	87	54	4,698	3	1,074	9,977	757,777	30,237	799,068
34	Sunday	8/18	6:00 AM	Sunday	8/18	9:00 PM	15	13	195	1	56	706	166,469	7,468	174,700
34B	Monday	8/19	6:00 AM	Monday	8/19	9:00 PM	15	23	345	0	157	1,471	239,100	9,811	250,539
34C	Tuesday	8/20	6:00 AM	Tuesday	8/20	9:00 PM	15	28	420	2	168	1,502	340,563	15,041	357,276
34D	Wednesday	8/21	6:00 AM	Wednesday	8/21	9:00 PM	15	37	555	1	301	3,455	579,368	22,264	605,389
34E	Friday	8/23	6:00 AM	Saturday	8/24	11:59 PM	42	70	2,940	1	733	6,172	911,328	41,417	959,651
35	Sunday	8/25	12:01 AM	Monday	8/26	9:00 PM	45	58	2,610	0	469	5,900	658,367	27,518	692,254
35B	Wednesday	8/28	6:00 AM	Wednesday	8/28	9:00 PM	15	24	360	0	33	836	87,033	5,210	93,112
35C	Thursday	8/29	6:00 AM	Thursday	8/29	9:00 PM	15	16	240	0	107	1,925	108,108	6,049	116,189
35D	Friday	8/30	6:00 AM	Friday	8/30	9:00 AM	15	6	90	0	42	677	32,998	2,633	36,350
35E	Saturday	8/31	6:00 AM	Saturday	8/31	9:00 PM	15	11	165	1	109	3,223	85,845	4,995	94,173
36	Monday	9/2	6:00 AM	Tuesday	9/3	9:00 PM	39	4	156	1	24	2,186	16,222	1,512	19,945
37	Tuesday	9/10	7:00 AM	Wednesday	9/11	7:00 PM	36	0	0	0	0	0	0	0	0
38	Sunday	9/15	7:00 AM	Wednesday	9/18	7:00 PM	36	0	0	0	0	0	0	0	0
<b>Season Total</b>							<b>570</b>	<b>416</b>	<b>12,774</b>	<b>35</b>	<b>5,725</b>	<b>50,884</b>	<b>4,942,263</b>	<b>222,036</b>	<b>5,220,943</b>

Table 4. Weekly commercial catch and fishing effort by opening in the 2002 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	7/7	8:00 AM	Sunday	7/7	8:00 PM	12	32	384	0	5,687	1,446	25,304	9,415	41,852
29	Sunday	7/14	5:00 AM	Sunday	7/14	8:00 PM	15	22	330	0	4,520	2,100	10,485	5,364	22,469
29B	Thursday	7/18	5:00 AM	Thursday	7/18	8:00 PM	15	20	300	0	5,896	1,958	31,194	7,175	46,223
30	Sunday	7/21	5:00 AM	Sunday	7/21	8:00 PM	15	20	300	229	5,657	2,470	40,927	6,870	56,153
30B	Thursday	7/25	5:00 AM	Thursday	7/25	8:00PM	15	17	255	242	4,794	1,338	42,888	4,649	53,911
31	Sunday	7/28	5:00 AM	Monday	7/29	8:00 PM	39	16	624	510	4,009	1,663	61,821	8,672	76,675
31B	Thursday	8/01	5:00 AM	Friday	8/2	8:00 PM	39	8	312	159	665	1,033	58,912	2,464	63,233
32	Monday	8/5	5:00 AM	Tuesday	8/5	8:00 PM	39	4	156	20	426	356	33,396	2,369	36,567
32B	Friday	8/9	5:00 AM	Saturday	8/10	11:59 PM	43	13	559	9	1,403	1,412	200,263	10,348	213,435
33	Sunday	8/11	12:01 AM	Monday	8/12	8:00 PM	44	12	528	7	418	601	123,733	6,671	131,430
33B	Tuesday	8/13	5:00 AM	Friday	8/16	8:00 PM	87	8	696	1	243	590	88,286	4,197	93,317
34	Sunday	8/18	6:00 AM	Wednesday	8/21	9:00 PM	87	3	261	0	100	197	53,276	3,723	57,296
34B	Friday	8/23	6:00 AM	Saturday	8/24	11:59 PM	42	3	126	0	38	298	38,290	1,805	40,431
35	Sunday	8/25	12:01 AM	Monday	8/26	9:00 PM	45	4	180	2	331	257	29,241	1,496	31,327
35B	Wednesday	8/28	6:00 AM	Wednesday	8/28	9:00 PM	15	0	0	0	0	0	0	0	0
35C	Thursday	8/29	6:00 AM	Thursday	8/29	9:00 PM	15	0	0	0	0	0	0	0	0
35D	Friday	8/30	6:00 AM	Friday	8/30	9:00 PM	15	0	0	0	0	0	0	0	0
35E	Saturday	8/31	6:00 AM	Saturday	8/31	9:00 PM	15	0	0	0	0	0	0	0	0
36	Monday	9/2	6:00 AM	Tuesday	9/3	9:00 PM	39	0	0	0	0	0	0	0	0
<b>Treaty Period Total (Weeks 27 - 30)</b>							<b>72</b>	<b>111</b>	<b>1,569</b>	<b>471</b>	<b>26,554</b>	<b>9,312</b>	<b>150,798</b>	<b>33,473</b>	<b>220,608</b>
<b>Season Total</b>							<b>636</b>	<b>182</b>	<b>5,011</b>	<b>1,179</b>	<b>34,187</b>	<b>15,719</b>	<b>838,016</b>	<b>75,218</b>	<b>964,319</b>

Table 5. Weekly commercial catch and fishing effort by opening in the 2002 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
25	Sunday	6/16	12:01 PM	Thursday	6/20	12:00 PM	96	57	5,472	137	13,883	94	12	1,112	15,238
26	Sunday	6/23	12:01 PM	Wednesday	6/26	12:00 PM	72	53	3,816	69	9,954	112	12	1,339	11,486
27	Sunday	6/30	12:01 PM	Thursday	7/4	12:00 PM	96	53	5,088	190	42,006	1,353	7,229	26,584	77,362
28	Sunday	7/7	12:01 PM	Wednesday	7/10	12:00 PM	72	59	4,248	131	29,799	2,629	7,427	17,350	57,336
29	Sunday	7/14	12:01 PM	Thursday	7/17	12:00 PM	96	60	5,760	102	8,620	1,705	20,222	22,261	52,910
30	Sunday	7/21	12:01 PM	Thursday	7/25	12:00 PM	96	46	4,416	85	7,393	2,147	28,452	11,839	49,916
31	Sunday	7/28	12:01 PM	Friday	8/2	12:00 PM	120	41	4,920	73	3,032	2,331	104,201	17,508	127,145
32	Sunday	8/4	12:01 PM	Friday	8/9	12:00 PM	120	39	4,680	19	3,507	3,779	78,701	8,810	94,816
33	Sunday	8/11	12:01 PM	Friday	8/16	12:00 PM	120	36	4,320	7	1,314	2,086	102,405	10,959	116,771
34	Sunday	8/18	12:01 PM	Friday	8/23	12:00 PM	120	32	3,840	0	577	1,584	115,140	7,212	124,513
35	Sunday	8/25	12:01 PM	Friday	8/30	12:00 PM	120	24	2,880	1	158	2,656	32,437	8,078	43,330
36	Sunday	9/01	12:01 PM	Thursday	9/5	12:00 PM	96	21	2,016	0	74	4,125	14,200	6,181	24,580
37	Sunday	9/8	12:01 PM	Thursday	9/12	12:00 PM	96	17	1,632	0	27	3,944	1,973	3,799	9,743
38	Sunday	9/15	12:01 PM	Wednesday	9/18	12:00 PM	72	14	1,008	0	9	3,720	121	1,374	5,224
39	Sunday	9/22	12:01 PM	Wednesday	9/25	12:00 PM	72	12	864	0	0	1,251	4	514	1,769
<b>Season Total</b>							<b>1,464</b>	<b>564</b>	<b>54,960</b>	<b>814</b>	<b>120,353</b>	<b>33,516</b>	<b>512,536</b>	<b>144,920</b>	<b>812,139</b>

Table 6. Weekly commercial catch and fishing effort by opening in the 2002 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	6/16	12:01 PM	Tuesday	6/18	12:00 PM	48	55	2,640	133	3,382	1,469	18	1,471	6,473
26	Sunday	6/23	12:01 PM	Tuesday	6/25	12:00 PM	48	50	2,400	47	3,625	1,582	12	3,170	8,436
27	Sunday	6/30	12:01 PM	Tuesday	7/2	12:00 PM	48	63	3,024	48	7,362	5,184	1,558	9,982	24,134
28	Sunday	7/7	12:01 PM	Tuesday	7/9	12:00 PM	48	73	3,504	68	10,595	10,805	2,034	12,829	36,331
29	Sunday	7/14	12:01 PM	Tuesday	7/16	12:00 PM	48	72	3,456	22	11,744	11,275	1,852	12,710	37,603
30	Sunday	7/21	12:01 PM	Tuesday	7/23	12:00 PM	48	72	3,456	16	6,765	9,027	4,855	9,600	30,263
31	Sunday	7/28	12:01 PM	Tuesday	7/30	12:00 PM	48	61	2,928	37	5,503	7,803	6,002	9,873	29,218
32	Sunday	8/4	12:01 PM	Tuesday	8/6	12:00 PM	48	42	2,016	34	3,555	9,319	13,257	4,923	31,088
33	Sunday	8/11	12:01 PM	Wednesday	8/14	12:00 PM	72	57	4,104	1	1,833	11,248	24,271	6,215	43,568
34	Sunday	8/18	12:01 PM	Wednesday	8/21	12:00 PM	72	80	5,760	8	1,227	15,981	19,842	7,253	44,311
35	Sunday	8/25	12:01 PM	Wednesday	8/28	12:00 PM	72	65	4,680	3	218	13,430	4,909	3,956	22,516
36	Sunday	9/01	12:01 PM	Wednesday	9/4	12:00 PM	72	83	5,976	8	190	40,552	3,895	12,713	57,358
37	Sunday	9/8	12:01 PM	Thursday	9/12	12:00 PM	96	80	7,680	3	48	33,750	266	7,973	42,040
38	Sunday	9/15	12:01 PM	Thursday	9/19	12:00 PM	96	70	6,720	4	9	23,080	7	5,788	28,888
39	Sunday	9/22	12:01 PM	Wednesday	9/25	12:00 PM	72	45	3,240	8	3	18,176	2	3,045	21,234
40	Sunday	9/29	12:01 PM	Wednesday	10/2	12:00 PM	72	25	1,800	0	0	10,709	0	866	11,575
41	Sunday	10/6	12:01 PM	Wednesday	10/9	12:00 PM	72	11	792	0	0	2,473	0	126	2,599
42	Sunday	10/13	12:01 PM	Tuesday	10/15	12:00 PM	48	3	144	0	0	232	0	4	236
<b>Season Total</b>							<b>1,128</b>	<b>1,007</b>	<b>64,320</b>	<b>440</b>	<b>56,059</b>	<b>226,095</b>	<b>82,780</b>	<b>112,497</b>	<b>477,871</b>



Table 7. Weekly commercial catch and fishing effort by opening in the 2002 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
26	Sunday	6/23	5:00 AM	Sunday	6/23	8:00 PM	15	NA	NA	8	86	12	0	38	144
26B	Thursday	6/27	5:00 AM	Thursday	6/27	8:00 PM	15	NA	NA	162	7,404	147	1,704	1,857	11,274
27	Sunday	6/30	5:00 AM	Sunday	6/30	8:00 PM	15	NA	NA	1	399	34	1,111	519	2,064
27B	Tuesday	7/2	5:00 AM	Tuesday	7/2	8:00 PM	15	NA	NA	25	755	113	4,289	807	5,989
28	Monday	7/8	5:00 AM	Monday	7/8	8:00 PM	15	NA	NA	12	839	175	5,793	2,137	8,956
28B	Wednesday	7/10	5:00 AM	Wednesday	7/10	8:00 PM	15	NA	NA	62	483	172	16,172	1,629	18,518
29	Monday	7/15	5:00 AM	Tuesday	7/16	8:00 PM	39	NA	NA	79	776	357	37,222	3,948	42,382
30	Sunday	7/21	5:00 AM	Sunday	7/21	8:00 PM	15	NA	NA	87	631	317	33,868	1,465	36,368
30B	Tuesday	7/23	5:00 AM	Tuesday	7/23	8:00 PM	15	NA	NA	18	213	176	15,624	675	16,706
31	Monday	7/29	5:00 AM	Tuesday	7/30	8:00 PM	39	NA	NA	21	358	385	67,292	1,300	69,356
31B	Thursday	8/01	5:00 AM	Friday	8/2	8:00 PM	39	NA	NA	20	85	210	63,230	642	64,187
32	Sunday	8/4	5:00 AM	Monday	8/5	8:00 PM	39	NA	NA	38	181	338	96,771	874	98,202
32B	Thursday	8/8	5:00 AM	Friday	8/9	8:00 PM	39	NA	NA	15	121	430	101,188	889	102,643
33	Sunday	8/11	5:00 AM	Monday	8/12	8:00 PM	39	NA	NA	0	357	437	112,272	579	113,645
33B	Thursday	8/15	5:00 AM	Friday	8/16	8:00 PM	39	NA	NA	1	100	637	125,744	745	127,227
34	Sunday	8/18	5:00 AM	Monday	8/19	8:00 PM	39	NA	NA	1	73	375	166,561	715	167,725
34B	Wednesday	8/21	5:00 AM	Thursday	8/22	8:00 PM	39	NA	NA	0	36	537	146,539	733	147,845
35	Sunday	8/25	6:00 AM	Monday	8/26	9:00 PM	39	NA	NA	0	10	165	31,716	421	32,312
35B	Thursday	8/30	6:00 AM	Friday	8/31	9:00 PM	39	NA	NA	0	39	971	36,846	764	38,620
37	Sunday	9/8	6:00 AM	Sunday	9/8	9:00 PM	15	NA	NA	0	0	896	0	210	1106
37B	Wednesday	9/11	6:00 AM	Thursday	9/12	9:00 PM	39	NA	NA	0	0	593	0	269	862
38	Sunday	9/15	6:00 AM	Monday	9/16	9:00 PM	39	NA	NA	0	0	198	0	22	220
39B	Thursday	9/26	6:00 AM	Thursday	9/26	9:00 PM	15	NA	NA	0	0	436	0	13	449
40	Tuesday	10/1	6:00 AM	Tuesday	10/1	9:00 PM	15	NA	NA	0	0	0	0	0	0
40B	Wednesday	10/2	6:00 AM	Thursday	10/3	9:00 PM	39	NA	NA	0	0	0	0	0	0
41	Sunday	10/6	6:00 AM	Sunday	10/6	9:00 PM	15	NA	NA	0	0	0	0	0	0
41B	Tuesday	10/8	6:00 AM	Tuesday	10/8	9:00 PM	15	NA	NA	0	0	0	0	0	0
41C	Friday	10/11	6:00 AM	Friday	10/11	9:00 PM	15	NA	NA	0	0	0	0	0	0
<b>Season Total</b>							<b>756</b>	<b>NA</b>	<b>NA</b>	<b>550</b>	<b>12,946</b>	<b>8,111</b>	<b>1,063,942</b>	<b>21,251</b>	<b>1,106,800</b>

Table 8. Weekly commercial catch and fishing effort by opening in the 2002 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	6/9	12:00 PM	Friday	6/14	12:00 PM	120	NA	NA	3	0	0	0	3	6
25	Sunday	6/16	12:00 PM	Friday	6/21	12:00 PM	120	NA	NA	397	1,069	55	44	3,043	4,608
26	Sunday	6/23	12:00 PM	Friday	6/28	12:00 PM	120	NA	NA	238	12,212	171	1,832	5,405	19,858
27	Sunday	6/30	12:00 PM	Thursday	7/4	12:00 PM	96	NA	NA	238	3,670	164	4,636	6,768	15,476
28	Sunday	7/7	12:00 PM	Thursday	7/11	12:00 PM	96	NA	NA	76	1,801	122	8,394	5,139	15,532
29	Sunday	7/14	12:00 PM	Thursday	7/18	12:00 PM	96	NA	NA	170	982	284	11,988	9,549	22,973
30	Sunday	7/21	12:00 PM	Thursday	7/25	12:00 PM	96	NA	NA	90	1,093	321	14,045	4,290	19,839
31	Sunday	7/28	12:00 PM	Friday	8/2	12:00 PM	120	NA	NA	42	668	827	47,148	6,889	55,574
32	Sunday	8/4	12:00 PM	Friday	8/9	12:00 PM	120	NA	NA	10	142	303	29,415	1,591	31,461
33	Sunday	8/11	12:00 PM	Friday	8/16	12:00 PM	120	NA	NA	4	202	587	70,886	2,377	74,056
34	Sunday	8/18	12:00 PM	Friday	8/23	12:00 PM	120	NA	NA	0	31	176	91,487	1,089	92,783
35	Sunday	8/25	12:00 PM	Thursday	8/29	12:00 PM	96	NA	NA	0	4	376	9,457	1,219	11,056
36	Sunday	9/01	12:00 PM	Thursday	9/5	12:00 PM	96	NA	NA	0	0	2,461	0	3,441	5,902
37	Sunday	9/8	12:00 PM	Friday	9/13	12:00 PM	120	NA	NA	0	1	10,385	0	7,898	18,284
38	Sunday	9/15	12:00 PM	Thursday	9/19	12:00 PM	96	NA	NA	0	0	6,733	0	2,101	8,834
39	Sunday	9/22	12:00 PM	Thursday	9/26	12:00 PM	96	NA	NA	0	0	6,118	0	921	7,039
40	Sunday	9/29	12:00 PM	Thursday	10/3	12:00 PM	96	NA	NA	0	0	13,150	0	349	13,499
41	Sunday	10/6	12:00 PM	Friday	10/11	12:00 PM	120	NA	NA	0	0	0	0	0	0
<b>Total Season</b>							<b>1,944</b>	<b>NA</b>	<b>NA</b>	<b>1,268</b>	<b>21,875</b>	<b>42,233</b>	<b>289,332</b>	<b>62,072</b>	<b>416,780</b>

Table 9. Southern Southeast Alaska pink salmon escapement indices by stock group and district for 2002.

Stock	District	Total Bias Adjusted Sum for 2002	Average 60-01	Upper 80th Percentile (60-01)	Average 1990-1999	Minimum Escapement Goal	Maximum Escapement Goal
Portland	101	568,299	251,151	451,806	339,306		
E Behm	101	2,014,774	1,100,718	1,620,211	1,847,100		
W Behm	101	662,657	416,328	688,776	625,905		
Kasaan	102	1,574,728	558,665	815,792	1,038,471		
Moirá	102	107,937	85,693	133,120	123,787		
E Dall	103	442,577	223,621	336,899	362,691		
Hetta	103	1,001,849	435,854	644,942	808,507		
Klawock	103	1,427,089	836,117	1,409,504	1,409,580		
Sea Otter Sound	103	271,355	183,731	251,379	290,473		
Affleck Canal	105	549,105	174,706	291,842	359,718		
Shipley Bay	105	135,068	155,424	215,646	374,749		
Burnett	106	210,637	84,603	121,544	189,587		
Ratz Harbor	106	159,000	82,192	118,068	181,280		
Totem Bay	106	138,159	83,641	112,938	198,172		
Whale Pass	106	89,244	110,626	214,636	238,999		
Anan	107	420,406	300,435	475,509	474,607		
Union Bay	107	136,561	84,555	135,878	139,934		
Stikine	108	8,476	25,833	51,481	42,817		
<b>Total 101</b>		3,245,730	1,768,197	2,735,872	2,812,311	2,000,000	3,000,000
<b>Total 102</b>		1,682,665	644,358	907,647	1,162,258	600,000	1,100,000
<b>Total 103</b>		3,142,870	1,679,323	2,734,830	2,871,250	1,700,000	2,550,000
<b>Total 105</b>		684,172	330,129	564,913	734,467	500,000	650,000
<b>Total 106</b>		597,041	361,062	601,180	808,038	600,000	850,000
<b>Total 107</b>		556,967	384,990	656,311	614,540	600,000	850,000
<b>SSE Total</b>		<b>9,917,922</b>	<b>5,193,893</b>	<b>7,905,478</b>	<b>9,045,681</b>	<b>6,000,000</b>	<b>9,000,000</b>

Table 10. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 gillnet weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
FISHERY ON PASSING STOCKS			(No fishery)								
TOTAL FISHERY ON PASSING STOCKS			-	-	-	-	-	-			
LOCAL FISHERY											
36	9-1	SEP 7	0	0	160	0	0	160	1	32	1.3
37	9-2	14	-	-	-	42	-	42	1	12	0.5
TOTAL LOCAL FISHERY			-	-	160	42	-	202	2	44	2
TOTAL AREA 1 GN FISHERY			-	-	160	42	-	202	-	44	1.8

NOTE: 2002 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 troll weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING
FISHERY ON PASSING STOCKS											
9	2-4	MAR 2	0	0	0	0	10	10	1	168	7.0
10	3-1	9	0	0	0	0	0	-	1	168	7.0
11	3-2	16	0	0	0	0	0	-	0	168	7.0
12	3-3	23	0	0	0	0	6	6	1	168	7.0
13	3-4	30	0	0	0	0	16	16	3	168	7.0
14	4-1	APR 6	0	0	0	0	24	24	16	168	7.0
15	4-2	13	0	0	0	0	208	208	36	168	7.0
16	4-3	20	0	0	0	0	226	226	47	168	7.0
17	4-4	27	0	0	0	0	132	132	69	168	7.0
18	4-5	MAY 4	0	0	0	0	167	167	116	168	7.0
19	5-1	11	0	0	0	0	5061	5,061	175	168	7.0
20	5-2	18	0	0	0	0	4404	4,404	220	168	7.0
21	5-3	25	0	0	0	0	13142	13,142	275	168	7.0
22	5-4	JUN 1	0	0	0	1	11239	11,240	440	168	7.0
23	6-1	8	4670	0	8	3	10248	14,929	490	168	7.0
24	6-2	15	-	-	-	-	-	-	-	-	CLOSED
25	6-3	22	-	-	-	-	-	-	-	-	CLOSED
26	6-4	29	-	-	-	-	-	-	-	-	CLOSED
27	6-5	JUL 6	-	-	-	-	-	-	-	-	CLOSED
28	7-1	13	-	-	-	-	-	-	-	-	CLOSED
29	7-2	20	0	0	0	0	146	146	292	168	TEST
30	7-3	27	0	0	0	0	99	99	198	168	TEST
31	7-4	AUG 3	940	14871	5702	90	139	21,742	130	168	TEST
32	8-1	10	645	19474	12579	100	247	33,045	150	168	7.0 (TEST)
33	8-2	17	109	15420	9304	87	147	25,067	304	168	7.0 (TEST)
34	8-3	24	113	13279	2356	19	198	15,965	260	168	7.0 (TEST)
35	8-4	31	29	10633	1859	35	88	12,644	210	168	7.0 (TEST)
36	9-1	SEP 07	30	7084	133	8	0	7,255	194	168	7.0
37	9-2	14	1	2092	3	78	2673	4,847	120	168	7.0
38	9-3	21	1	357	0	25	939	1,322	348	168	7.0
39	9-4	28	0	105	0	6	386	497	167	168	7.0
40	10-1	OCT 5	0	39	0	1	27	67	165	168	7.0
TOTAL FISHERY ON PASSING STOCKS			6,538	83,354	31,944	453	49,940	172,229	4,422	3,696	154
NO LOCAL FISHERY											
TOTAL AREA 1 TROLL FISHERY			6,538	83,354	31,944	453	49,940	172,229	4,422	3,696	154

NOTE: 2002 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 12. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 (1-4) gillnet weekly hail catch (preliminary),2002.

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
24	6-2	JUNE 15	348	0	0	3	0	351	2	32	2
25	6-3	22	2,432	0	0	180	53	2,665	31	32	2
26	6-4	29	30,097	0	1,399	4,959	107	36,562	185	64	4
27	7-1	JULY 6	16,212	0	3,108	2,365	57	21,742	126	80	5
28	7-2	13	3,255	0	7,400	588	41	11,284	39	48	3
29	7-3	20	849	0	3,324	227	1	4,401	10	60	4
30	7-4	27	383	0	2,039	325	0	2,747	6	15	1
31	7-5	AUG 3	0	0	0	0	0	0	0	0	0
32	8-1	10	0	0	0	0	0	0	0	0	0
33	8-2	17	0	0	0	0	0	0	0	0	0
34	8-3	24									
TOTALS			53,576	0	17,270	8,647	259	79,752	398	331	21

NOTE: 2002 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 13. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 gillnet weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
24	6-2	JUNE 15	38,684	-	-	295	722	39,701	188	32	1.3
25	6-3	22	29,422	-	-	265	688	30,375	477	48	2.0
26	6-4	29	30,475	-	33	1,943	1,100	33,551	399	32	1.3
27	7-1	JULY 6	149,372	-	3,447	9,685	873	163,377	683	64	2.7
28	7-2	13	87,026	-	11,358	7,397	353	106,134	469	80	3.3
29	7-3	20	25,416	-	12,606	1,591	140	39,753	153	48	2.0
30	7-4	27	47,651	-	56,929	2,378	180	107,138	336	60	2.5
31	7-5	AUG 3	17,328	-	47,721	1,405	30	66,484	133	60	2.5
32	8-1	10	4,986	-	11,182	150	25	16,343	44	30	1.3
33	8-2	17	-	-	-	-	-	-			
34	8-3	24	-	-	-	-	-	-			
TOTALS			430,360	-	143,276	25,109	4,111	602,856	2,882	454	19

NOTE: 2002 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 (1-4) seine weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JULY 20	6,508	0	36,773	5,407	0	48,688	44	48	3
30	7-4	27	6,576	0	113,787	4,692	0	125,055	29	60	4
31	7-5	AUG 3	5,503	0	194,613	1,770	0	201,886	29	75	5
32	8-1	10	4,404	0	373,041	0	0	377,445	33	75	5
33	8-2	17	1,317	0	173,912	0	0	175,229	18	65	5
34	8-3	24	274	0	37,385	0	0	37,659	7	39	3
TOTALS			24,582	0	929,511	11,869	0	965,962	161	362	25

NOTE: 2002 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 seine weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JUL 21	11,918	-	68,353	8,213	-	88,484	70	48	2.0
30	7-4	28	20,020	-	371,983	9,638	-	401,641	59	60	2.5
31	7-5	AUG 4	9,056	-	385,640	2,774	-	397,470	51	75	3.1
32	8-1	11	7,097	-	660,164	-	-	667,261	69	75	3.1
33	8-2	18	2,019	-	321,044	-	-	323,063	35	65	2.7
34	8-3	25	380	-	72,336	-	-	72,716	10	39	1.6
TOTALS			50,490	-	1,775,530	20,625	-	1,950,635	294	362	15.1

NOTE: 2002 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 4 gillnet weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
24	6-2	JUNE 16	0	0	0	0	0	0			
25	6-3	24	58	0	0	0	1,371	1,429	120	28	1.2
26	6-4	JULY 1	0	0	0	0	0	0	0	0	0.0
27	7-1	8	27,158	0	248	495	1,201	29,102	174	40	1.7
28	7-2	15	170,523	0	7,563	4,624	2,102	184,812	1,118	80	3.3
29	7-3	22	118,381	0	7,565	2,722	1,253	129,921	792	48	2.0
30	7-4	29	69,661	0	6,357	598	770	77,386	430	30	1.3
31	7-5	AUG 5	105,848	0	57,815	1,119	146	164,928	711	60	2.5
32	8-1	12	14,583	0	42,480	436	29	57,528	213	30	1.3
TOTALS			506,212	0	122,028	9,994	6,872	645,106	3,558	316	13.2

NOTE: 2002 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 4 seine weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
29	7-3	JULY 20	11,630		1,516	269	-	13,415	33	16	0.7
30	7-4	27	56,552	-	33,652	1,982	-	92,186	73	60	2.5
31	7-5	AUG 3	21,619	-	261,570	683	-	283,872	45	75	3.1
32	8-1	10	3,587	-	82,565	-	-	86,152	18	75	3.1
33	8-2	17	5,500	-	349,605	-	-	355,105	28	65	2.7
34	8-3	24	2,487	-	164,310	-	-	166,797	21	65	2.7
TOTALS			101,375	-	893,218	2,934	-	997,527	218	356	15

NOTE: 2002 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 5 gillnet weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
27	7-1	JULY 6	3,180	-	337	960	17	4,494	13	16	0.7
28	7-2	13	5,397	-	944	1,559	12	7,912	27	80	3.3
29	7-3	20	249	-	101	93	-	443	1	48	2.0
30	7-4	27	-	-	-	-	-	-	-	30	1.3
31	7-5	AUG 3	20	-	50	3	-	73	1	60	2.5
	8-1	10	47	-	118	1	-	166	1	30	1.3
TOTALS			8,893	-	1,550	2,616	29	13,088	43	264	11

NOTE: 2002 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 5 seine weekly hail catch (preliminary), 2002.

JULIAN WEEK	STAT. WEEK	WEEK	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
		ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK				
28	7-2	JULY 13	-	-	-	-	-	-	-	-	0.0
29	7-3	20	854	-	2,141	485	-	3,480	5	48	2.0
30	7-4	27	403	-	10,060	172	-	10,635	3	60	2.5
31	7-5	AUG 3	1,120	-	37,063	-	-	38,183	4	75	3.1
32	8-1	10	1,137	-	67,167	-	-	68,304	7	75	3.1
33	8-2	17	2,304	-	277,717	-	-	280,021	17	65	2.7
34	8-3	24	1,078	-	295,620	-	-	296,698	29	39	2
TOTALS			6,896	-	689,768	657	-	697,321	65	362	15

NOTE: 2002 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. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 3(1-4) net fishery, 2002.

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Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:	
Total Run	42,182,710
Actual Escapement	20,178,163
Escapement Requirement	10,750,000
Annual Allowable Harvest (AAH)	31,432,710
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 (Hail Data)	946,781
Actual Number of Alaskan Pink Harvested	524,245
Actual %AAH	1.67%
Overage/Underage Based on the 2.49% AAH Stipulated in the Treaty:	
Allowable % AAH	2.49%
Allowable Harvest	782,674
Overage (Positive)/Underage (Negative)	(258,429)
Cumulative Overage/Underage	(747,314)

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Table 21. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 1 troll fishery, 2002

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Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:	
Total Run	42,182,710
Actual Escapement	20,178,163
Escapement Requirement	10,750,000
Annual Allowable Harvest (AAH)	31,432,710
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 1 Troll Fishery:	
Total Pink Harvest in Area 1 Troll (Hail Data)	41,418
Actual Number of Alaskan Pink Harvested	28,409
Actual %AAH	0.09%
Overage/Underage Based on the 2.57% AAH Stipulated in the Treaty:	
Allowable % AAH	2.57%
Allowable Harvest	807,821
Overage (Positive)/Underage (Negative)	(779,411)
Cumulative Overage/Underage	(3,283,651)

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Table 22. Department of Fisheries and Oceans, 2002 escapements to Areas 3, 4, and 5 (preliminary).

Area	Sockeye	Pink	Chum
3	405,473	582,958	17,797
Meziadin:	332,442		
4	625,215	543,880	unk
5	unk	406,810	4,910





Table 23. Department of Fisheries and Oceans, 2003 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	711,000 2,551,660	200,000 375,000	511,000 2,176,660	50,000 750,000	561,000 2,926,660
AREA 4	Sockeye Pink	1,192,510 3,083,364	900,000 2,097,800	250,000 650,000	50,000 0	300,000 650,000
AREA 5	Sockeye Pink	No forecast done 1,303,355	50,000 424,150	0 600,000	5,000 350,000	5,000 950,000

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

## FIGURES

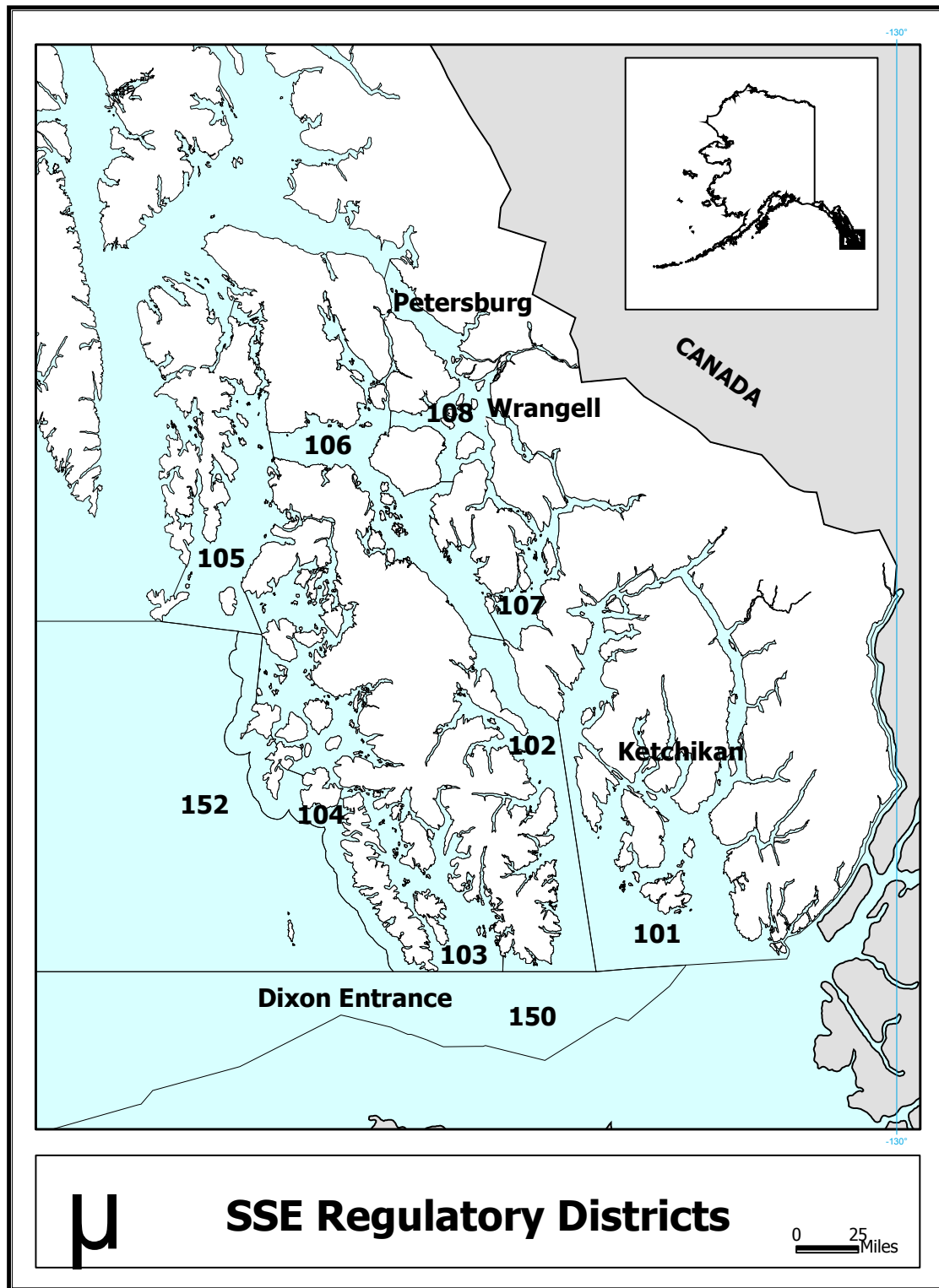


Figure 1. Alaska Department of Fish and Game Southern Southeast Alaska regulatory districts.

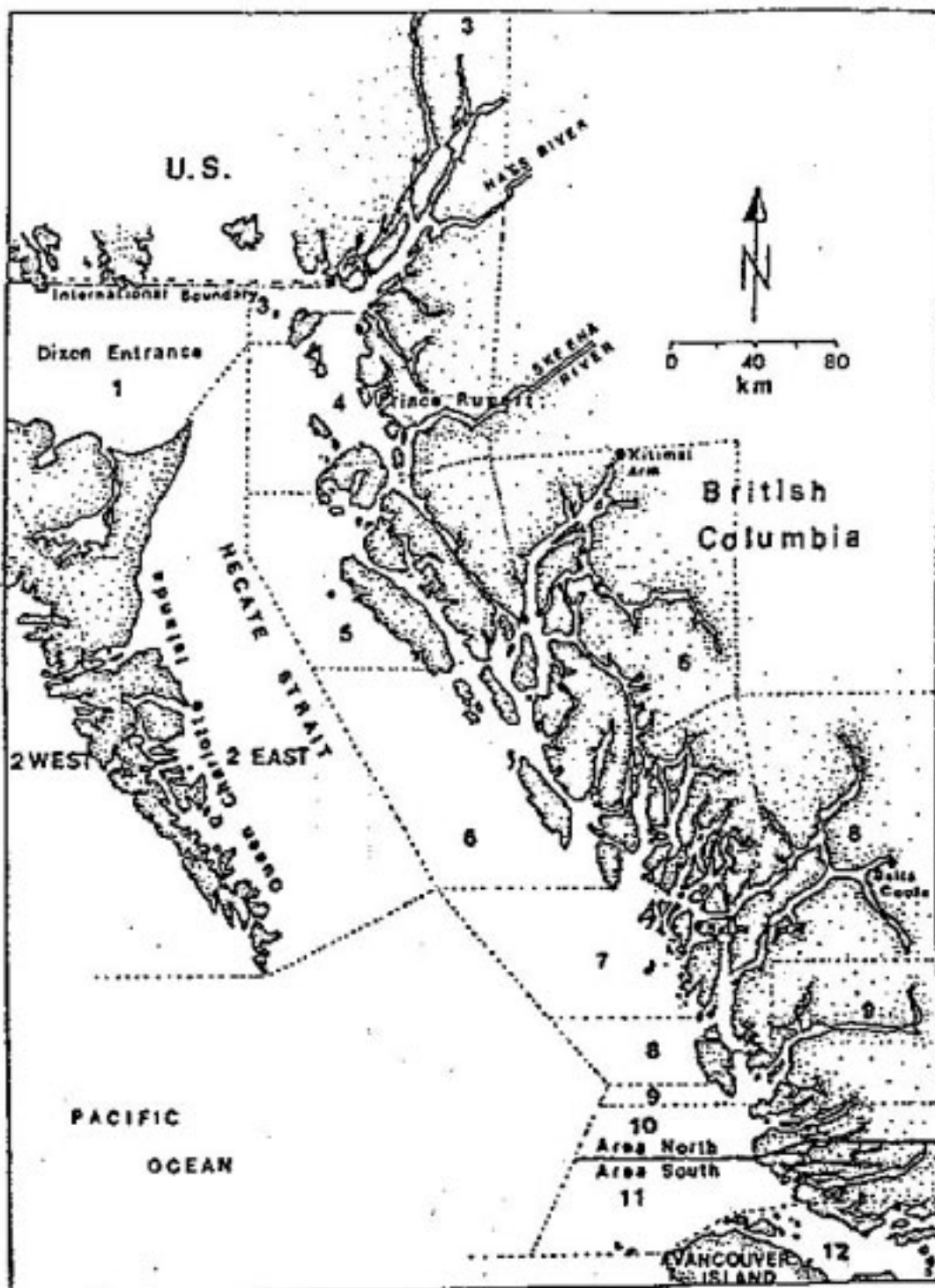


Figure 2. Canadian Department of Fisheries and Oceans Statistical Areas 1-10, Northern British Columbia.

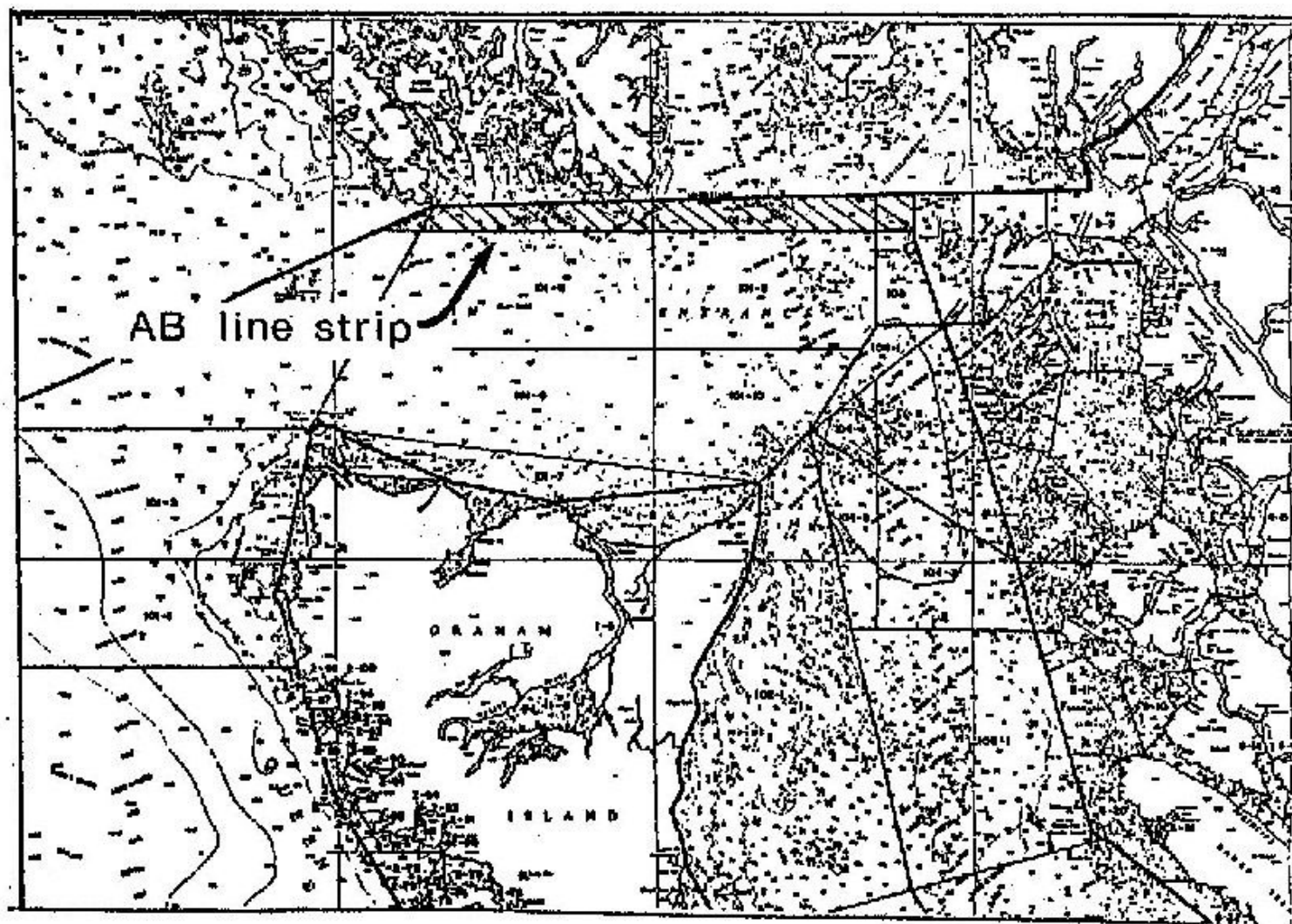


Figure 3. Canadian Department of Fisheries and Oceans Statistical Area 1 management sub-areas.

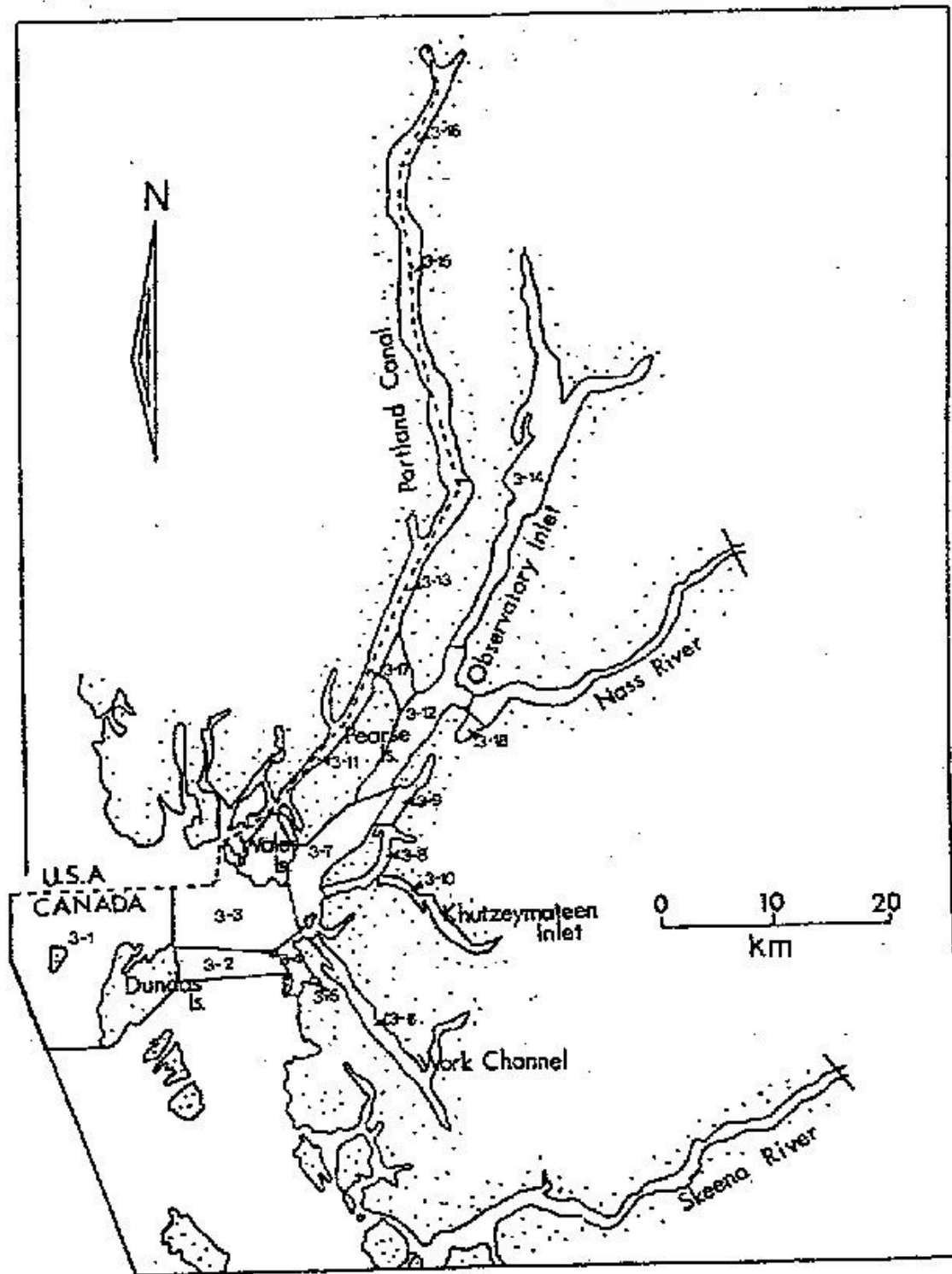


Figure 4. Canadian Department of Fisheries and Oceans Statistical Area 3 management sub-areas.