

**THE PACIFIC SALMON COMMISSION**

**NORTHERN BOUNDARY TECHNICAL  
COMMITTEE REPORT**

**U.S./CANADA NORTHERN BOUNDARY AREA  
2001 SALMON FISHERIES MANAGEMENT REPORT  
AND 2002 PRELIMINARY EXPECTATIONS**

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## TABLE OF CONTENTS

	<u>Page</u>
TABLE OF CONTENTS .....	ii
LIST OF TABLES .....	iv
LIST OF FIGURES .....	v
EXECUTIVE SUMMARY .....	vi
MANAGEMENT PERFORMANCE .....	vi
2002 Forecast .....	viii
INTRODUCTION .....	1
SOUTHERN SOUTHEAST ALASKA .....	1
2001 Salmon Forecast .....	1
Review of the 2001 Fishing Season .....	1
Districts 101, 102, and 103 Purse Seine Fisheries .....	2
District 104 Purse Seine Fishery .....	3
Districts 105, 106, and 107 Purse Seine Fisheries .....	3
Tree Point Drift Gillnet Fishery .....	3
District 106 Drift Gillnet Fishery .....	4
Annette Island Reserve Fisheries .....	4
Pink, Sockeye, and Chum Salmon Escapements .....	4
Management Performance Relative to Treaty Requirements .....	5
District 104 Purse Seine Fishery .....	5
District 101 Tree Point Drift Gillnet Fishery .....	6
2002 Salmon Forecast for Southern Southeast Alaska .....	6
NORTHERN BRITISH COLUMBIA .....	7
2001 Salmon Forecast .....	7
Area 1 Expectations .....	7
Area 3 Expectations .....	7
Area 4 Expectations .....	7
Review of 2001 Fishing Season - Net and Troll Fisheries .....	8
Area 1 .....	8
Area 3 .....	8

Area 4.....	10
Area 5.....	12
Management Performance Relative to Treaty Requirements.....	13
Areas 3 (1-4) Pink Net Catch.....	13
Area 1 Pink Troll Fishery.....	13
2002 Salmon Forecast Northern British Columbia.....	13
Area 4 Expectations .....	14
Area 5 Expectations .....	14
TABLES.....	15
FIGURES .....	39

## LIST OF TABLES

Table 1. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 101 purse seine fishery.....	15
Table 2. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 102 purse seine fishery.....	16
Table 3. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 103 purse seine fishery.....	17
Table 4. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 104 purse seine fishery.....	18
Table 5. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 101 drift gillnet fishery. ....	19
Table 6. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 106 drift gillnet fishery. ....	20
Table 7. Weekly commercial catch and fishing effort by opening in the 2001 Annette Island Reserve purse seine fishery. ....	21
Table 8. Weekly commercial catch and fishing effort by opening in the 2001 Annette Island Reserve gillnet fishery.....	22
Table 9. Southern Southeast Alaska pink salmon escapement indices by stock group and district for 2001.....	23
Table 10. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 gillnet weekly hail catch, 2001. ....	25
Table 11. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 troll weekly hail catch, 2001. ....	26
Table 12. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 (1-4) gillnet weekly hail catch, 2001. ....	27
Table 13. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 gillnet weekly hail catch, 2001. ....	28
Table 14. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 (1-4) seine weekly hail catch, 2001. ....	29
Table 15. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 seine weekly hail catch, 2001. ....	30
Table 16. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 gillnet weekly hail catch, 2001. ....	31
Table 17. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 seine weekly hail catch, 2001. ....	32
Table 18. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 gillnet weekly hail catch, 2001. ....	33
Table 19. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 seine weekly hail catch, 2001. ....	34
Table 20. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 3(1-4) net fishery, 2001.....	35
Table 21. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 1 troll fishery, 2001.....	36

Table 22. Department of Fisheries and Oceans, 2001 escapements to Areas 1, 3, 4, and 5 (preliminary). .....	37
Table 23. Department of Fisheries and Oceans, 2002 commercial net salmon forecast, Areas 1, 3., 4, and 5. ....	38

## LIST OF FIGURES

Figure 1. Alaska Department of Fish and Game Southern Southeast Alaska regulatory districts. ....	39
Figure 2. Canadian Department of Fisheries and Oceans Statistical Areas 1-10, Northern British Columbia. ....	40
Figure 3. Canadian Department of Fisheries and Oceans Statistical Area 1 management sub-areas. ....	41
Figure 4. Canadian Department of Fisheries and Oceans Statistical Area 3 management sub-areas. ....	43

## EXECUTIVE SUMMARY

This report reviews:

- 1) catch, effort, and management actions in the 2001 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 2002.

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.

### ***2001 Fisheries***

In southern Southeast (SSE) Alaska, there was an above average return of pink salmon. The 52.0 million harvested was well above the 1989-1998 average of 32.9 million. The SSE Alaska escapement indices totalled 11.8 million, above the 6.0 - 9.0 million goal. The pink salmon harvest in all of Southeast Alaska was 67.0 million, above the preseason forecast of 31.0 to 51.0 million. The 4.0 million chum harvested in southern Southeast Alaska was above the recent 89-98 average of 3.6 million. In addition, there were 1.2 million coho and 1.1 million sockeye salmon harvested in SSE Alaska in 2001. These were 102 and 71 percent of the 89-98 average, respectively.

In the North Coast of British Columbia, sockeye returns were average in the Nass and well above average for the Skeena sockeye aggregate (total commercial net catch 2.1 million). Nass sockeye escapements were 168,747, which was below the 200,000 target. Skeena escapement was variable with the strongest returns to Babine wild stocks, and notably poor returns to Morice and Kitwanga systems. Pink returns were strong in Area 3 and moderate in the Skeena (total net catch 3.25 million). Pink escapements were well above target in Area 3 and just above the minimum escapement target for the Skeena. Low chum abundance resulted in low escapements and catches. A small Area 1 troll fishery harvested 175,000 pinks.

## 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.

In 2001, the District 101 gillnet fishery was managed conservatively based on a modest preseason forecast of 740 thousand Nass sockeye salmon provided by the Canadian Department of Fisheries and Oceans (DFO). The conservative management stemmed from a need to repay an "overage", currently estimated at approximately 38 thousand Nass sockeye, that were carried forward from the 1999 and 2000 seasons. The district was opened for an initial 3-day fishing week beginning 17 June (Week 25) followed by two openings of 3-days, a 2.5-day fishery, and a 4-day fishery with a six-inch mesh restriction imposed. The cumulative sockeye harvest prior to the District 101 Pink Salmon Management Plan (Week 31) was 40,790 fish, or 50% of the season's total sockeye harvest.

The 2001, pre-Week 31 fishing plan for District 104 was based on the DFO preseason forecast of 740 thousand Nass and 2.80 million Skeena sockeye. This produced a total combined run of 3.54 million, a total AAH of 2.44 million, and a pre-Week 31 allowable harvest of 59,780 Nass and Skeena sockeye salmon in District 104. Management actions took into account an "underage" currently estimated at approximately 89 thousand sockeye salmon from the 1999 and 2000 seasons.

For 2001, 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 2001 was 51,461,064 providing a Canadian catch allowance (2.49 %) of 1,281,380 pink salmon. The preliminary 2001 Canadian pink catch in sub-areas 3-1 to 3-4 was 613,468 (610,997 for seine and 2,471 for gillnet). The Alaska stock component of this was estimated to be 471,379. The Canadian harvest was 810,002 fish under the target catch. Overall, North Coast Canadian pink returns were slightly better than expected. Escapements to Area 3 were well above the target, while escapements to all other areas generally met or exceeded targets. As it was the "off year" in the pink salmon cycle for Areas 1, 2W, and 2E, escapements to these areas were minimal.

For 2001, 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 2001 was 51,461,064 pink salmon. The Canadian commercial troll fishery in Area 1 was open from 2 July to 31 August. Total catch was estimated at 175,000, with a preliminary estimate of 151,415 Alaskan pinks. The allowable Alaskan pink component was estimated to be 1,322,549. The Canadian harvest was 1,171,134 under the AAH

target catch.

### ***2002 Forecast***

The 2002 pink salmon return to Southeast Alaska is expected to be 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 goal range of between 24.0 and 40.0 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 show strong returns throughout all areas. 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 2002, predicted by calculating the 5-year mean, are expected to be approximately 690 thousand, with moderate surpluses available for harvest. For the Skeena the sibling model forecast predicts that there is a 50% probability of 1.16 million sockeye returning to the Skeena in 2002, and a 75% probability the return will exceed 800 thousand in 2002. Nass area pink streams are predicted to have a moderate surplus available for harvest while Area 4 pink returns are expected to be well below average.



## INTRODUCTION

This report reviews the 2001 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 2002. 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 2001. Sub-area catch data is also presented for all salmon species for Canadian Area 3. Canadian catch data for 2001 were based on hail data, as sales slip numbers had not been finalized at the time of the 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

### *2001 Salmon Forecast*

The 2001 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 55.0 to 85.0 million, an escapement goal range of between 24.0 and 40.0 million, and a harvest estimate of between 31.0 and 51.0 million pink salmon in all of Southeast Alaska in 2001. 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 2001 Fishing Season*

Commercial fisheries harvested approximately 58.4 million salmon in southern Southeast Alaska in 2001. 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 total Southeast Alaska harvest was well above the 19.9 million average since statehood (1960-1998). The total pink salmon harvest in all of Southeast Alaska was 67.0 million, which was well above the preseason forecast of 31.0 to 51.0 million for 2001. The SSE Alaska harvest was comprised of 52.01 (89.1%) million pink, 4.03 (6.9%) million chum, 1.20 (2.1%) million coho, 1.13 (1.9%) million sockeye, and 57,777 (<0.1%) 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) a near-terminal sockeye salmon fishery that targeted the Alaskan McDonald Lake sockeye salmon stock in the upper West Behm Canal section of District 101; 2) an early season opening in lower District 102 to target Southern Southeast Regional Aquaculture Association's (SSRAA) Kendrick Bay summer chum salmon; and 3) a District 102 directed fall chum salmon fishery.

The well distributed, high abundance of pink salmon throughout southern Southeast Alaska characterized the 2001 purse seine fishery. The overall harvest of pink salmon in southern Southeast Alaska was 52.0 million fish, well above the average annual pink salmon harvest of 28.1 million since 1985. Of those pink salmon, 25.8 million (50%) were harvested in Districts 101, 102, and 103, 11.9 million (23%) were harvested in District 104, and 10.9 million (21%) were harvested in Districts 105, 106, and 107.

The District 101 purse seine fishery (Table 1) opened on 1 July for 15 hours (Statistical Week 27). During that opening, 25 boats caught approximately 52 thousand pink and 9.7 thousand chum salmon. Over the next two weeks, four openings of 15 hours each were allowed as pink salmon returns were building. Beginning in Week 30, pink salmon catches in District 101 increased dramatically indicating a very strong return. Peak openings in District 101 were in Weeks 32 and 33, the average harvest timing for this area. In 2001, there were three openings to target McDonald Lake sockeye salmon in upper West Behm Canal. During these openings 29.8 thousand sockeye, 129 thousand chum, and 762 thousand pink salmon were harvested. For 2001, approximately 9.34 million pink, 450 thousand chum, 158 thousand sockeye, and 55 thousand coho were harvested in the District 101 common property purse seine fishery.

The first traditional pink salmon purse seine fishery in District 102 (Table 2) began on 1 July for 15 hours, with subsequent openings over the next two weeks similar to District 101 purse seine. The 1 July opening for the Kendrick Bay Special Harvest area was 87 hours and included a small portion of the traditional fishing area just outside Kendrick Bay. During the past several years good returns of summer chum salmon to Kendrick Bay, a remote release site for SSRAA, has attracted boats to the area. In 2001, the summer chum expectations were better than the past two years and effort was high in weeks 26 and 27. Pink salmon catches peaked in mid-August, during Weeks 32 and 33 when an average 53 boats took approximately 3.98 million pink salmon in four 39-hour openings. The average peak Statistical Week for pink salmon harvest in District 102 has been Week 32. For 2001, approximately 6.77 million pink, 604 thousand chum, 54 thousand sockeye, and 119 thousand coho salmon were harvested. Of the chum harvest, approximately 218 thousand were taken in the directed purse seine fishery for fall chum in the Cholmondeley Sound area that began on 10 September.

While the initial purse seine fishery in District 103 (Table 3) was for 15 hours on 19 July (Week

29), little effort was recorded in the district until the 39-hour opening on 6-7 August (Week 32). Pink salmon catches were excellent from Weeks 32 through 35 with approximately 7.4 million pink salmon harvested in five 39-hour fishing periods between 10 August and 27 August. As in every other district in southern Southeast Alaska, the peak week of harvest in District 103 was average. For 2001, approximately 9.66 million pink, 313 thousand chum, 27 thousand sockeye, and 56 thousand coho salmon were harvested in the common property purse seine fishery.

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

The 2001, pre-Week 31 fishing plan for District 104 was based on the DFO preseason forecast of 740 thousand Nass and 2.80 million Skeena sockeye. This yielded total run of 3.54 million, a total AAH of 2.44 million, and a pre-Week 31 allowable harvest of 59,780 Nass and Skeena sockeye salmon in District 104. Management actions took into account an "underage" currently estimated at approximately 89 thousand sockeye salmon from the 1999 and 2000 seasons.

In 2001, 203,090 sockeye were harvested in two 12-hour, two 10-hour, and one 6-hour pre-Week 31 openings (Table 4). In past years 60% to 80% of pre-Week 31 sockeye have been of Nass and Skeena origin. Thus, we anticipate that between 120 thousand and 160 thousand Nass and Skeena sockeye were harvested in the District 104 purse seine fishery pre-Week 31. The final targeted number of Nass and Skeena sockeye will not be available until catch, escapement, and stock composition estimates are finalized for the year. The number of participating boats each pre-Week 31 opening ranged from 24 to 78. Districts 101 and 102 were opened for six 15-hour and one 39-hour opening during these same weeks. The shortened openings in District 104 combined with ample early-season fishing opportunities elsewhere in the region effectively limited effort.

After Week-30, District 104 was opened the same dates and hours as the purse seine openings in Districts 101, 102, and 103. Openings were on a two-day-on and two-day-off schedule from 29 July through 26 August. The last two openings were 66-hour and 69-hour openings on 30 August and 2 September. Minimal effort was experienced during the last two openings.

For 2001, the District 104 purse seine fishery harvested approximately 11.915 million pink, 345 thousand chum, 537 thousand sockeye, 134 thousand coho, and 2.7 thousand chinook salmon.

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

For the season, the combined Districts 105, 106, and 107 purse seine fisheries harvested approximately 10.93 million pink, 452 thousand chum, 66 thousand sockeye, 61 thousand coho, and 5 thousand chinook salmon.

### **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.

In 2001, the District 101 gillnet fishery was managed conservatively in recognition of the modest forecast of Nass sockeye and the need to repay an “overage”, currently estimated at approximately 38 thousand Nass sockeye, carried forward from the 1999 and 2000 seasons. The district was opened for an initial 3-day fishing week beginning 17 June (Week 25) followed by two openings of 3-days, a 2.5-day fishery, and a 4-day fishery. A six-inch mesh restriction was imposed. The cumulative sockeye harvest before the District 1 Pink Salmon Management Plan was 40,790 fish, or 50% of the season’s total sockeye harvest.

The fishery was managed according to the Pink Salmon Management Plan from Week 31 through Week 36. Based on the very strong return of pink salmon to District 101, 5-day openings in Weeks 30 through Week 36 were allowed. During this time, the effort (boat-days) was well below average as were the sockeye, pink, chum, and coho salmon harvests.

From 9 September (Week 37) to 19 September (Week 38), the fishery was managed on the strength of the fall chum and coho salmon returns. Chum and coho salmon harvests were below average. The below average catches were a result of the reduced effort at Tree Point in 2001.

A total of 80,041 sockeye salmon were harvested in the District 101 drift gillnet fishery in 2001 (Table 5). The sockeye harvest and effort were well below the 1985-2000 average. However, the fishing hours allowed after Week 31 was normal in 2001. 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 2001 season.

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

For 2001, the Districts 106 drift gillnet fishery harvested 825 thousand pink, 283 thousand chum, 164 thousand sockeye, 188 thousand coho, and 1 thousand chinook salmon (Table 6).

### **Annette Island Reserve Fisheries**

For 2001, the Annette Island purse seine fishery harvested approximately 1.66 million pink, 21 thousand chum, 25 thousand sockeye, and 13 thousand coho, and 709 chinook salmon (Table 7). The Annette Island gillnet fishery harvested approximately 340 thousand pink, 106 thousand chum, 16 thousand sockeye, 44 thousand coho, and 3 thousand chinook salmon (Table 8).

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

The 2001 pink salmon escapement indices (Table 7) were above the 1990-1999 average in all but three stock groups in Districts 101-104. Moira (District 102) and Hetta (District 103) were below average and East Dall (District 103) was at average. Escapement indices for 15 of 16 stock groups in Districts 105-108 were above the 1990-1999 average in 2001. Only Ratz Harbor (District 106)

was just below average. The District 101 pink salmon escapement index was 4.35 million fish, above the upper goal of 3.0 million. The District 102 pink salmon index escapement of 1.15 million fish was just above the upper goal of 1.1 million pink salmon. The District 103 pink salmon index escapement of 3.26 million fish was above the upper goal of 2.55 million pink salmon. The District 105 pink salmon index escapement of 1.04 million fish was well above the upper goal limit of 0.65 million pink salmon. The District 106 pink salmon index escapement of 1.00 million fish was above the upper goal limit of 0.85 million pink salmon. The District 107 pink salmon index escapement of 0.88 million fish was above the upper goal limit of 0.85 million pink salmon. When summed across Districts 101-108, escapement indices totaled 11.79 million, well above the 6.0 – 9.0 million 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 2001, 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 Hetta Lake was  $2,547 \pm 199$ , based on mark-recapture counts. The sockeye escapement to Hugh Smith Lake was  $3,789 \pm 329$ , based on mark-recapture counts. The sockeye escapement to Luck Lake was  $7,879 \pm 1,184$ , based on mark-recapture counts. Klawock Lake had a weir count of 7,236 with a total escapement estimated at  $15,593 \pm 2,242$  based on mark-recapture counts. The escapement of sockeye salmon into McDonald Lake was estimated to be 42,768 based on the expanded foot survey index. Salmon Lake escapement was estimated at 21,034 based on the expanded foot survey index. Salmon Bay Lake escapement was estimated at  $20,779 \pm 6,733$  based on mark-recapture counts. Thoms Lake escapement was estimated at  $3,044 \pm 401$  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 4.8% below the 1990-2000 average. The escapement of chum salmon into Fish Creek at the head of Portland Canal was estimated to be 13,022 based on expanded foot survey counts, this is below the 10-year average.

### ***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.

### ***2002 Salmon Forecast for Southern Southeast Alaska***

The 2002 pink salmon return to Southeast Alaska is expected to be 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 goal range of between 24.0 and 40.0 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 Alaska show strong returns throughout all areas. The estimated return distribution between southern and northern Southeast Alaska is 58% and 42%, 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 2002 is estimated to be below normal.

## NORTHERN BRITISH COLUMBIA

### *2001 Salmon Forecast*

#### **Area 1 Expectations**

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

**Pink** A modest surplus of between 50 thousand and 100 thousand was anticipated for Masset Inlet.

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

**Fishing Plans** A limited gillnet opening in sub-area 1-3 was proposed to assess the run strength of chum salmon migrating through Masset Inlet. Further openings for gillnet would depend on run strength. No seine opening was anticipated. There may be a small pink troll test fishery to assess methods for reducing incidental coho catch and mortality, with further openings dependent on results.

#### **Area 3 Expectations**

**Sockeye** An average sockeye return to Canada of 740 thousand was expected to provide an Area 3 net catch of 200 thousand Nass River sockeye, along with an anticipated interception of 100 thousand Skeena sockeye.

**Pink** A Nass pink return of 1.2 million was expected to provide an Area 3 catch of 650 thousand. No contribution was anticipated by Skeena pink stocks, as the 2001 forecast was very poor, although a modest incidental harvest of 650 thousand Alaskan pinks was anticipated.

**Chum** Area 3 chum stocks were expected to remain below target levels (forecasted at 63 thousand). Little or no targeted chum fishing was anticipated in 2001.

**Fishing Plans** A very modest sockeye and pink fishery was anticipated in Area 3 in 2001

#### **Area 4 Expectations**

**Sockeye** The Skeena sockeye return was forecast to be 2.8 million, providing a large surplus of 1.7 million available for harvest by directed net fisheries.

**Pink** A Skeena pink return of over 3.0 million was expected to provide a surplus of 1.3 million for 2001

**Chum** Skeena chum escapements are depressed and there will 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 2001 management plans.

## **Area 5 Expectations**

**Sockeye** A catch of about 100 thousand Skeena and 35 thousand Area 5 sockeye was anticipated in 2001

**Pink** Local Area 5 pink returns in 2001 were expected to produce a surplus of about 350 thousand for harvest, along with a similar catch of passing Area 4 stocks.

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

**Fishing Plans** Area 5 fishing patterns were based largely on the abundance of Area 4 sockeye, Areas 4 and 5 pink stocks, and Upper Skeena coho.

## ***Review of 2001 Fishing Season - Net and Troll Fisheries***

### **Area 1**

There were no Area 1 net interception fisheries in 2001. The Area 1 terminal gillnet fishery was open for a total of one fishing period, on 16 September, but no vessels opted for the fishery opening.

Troll fishing opportunities were very limited because of sockeye, coho and chinook stock concerns. There were two troll openings in Area 1, the first for sockeye, pink and chum between 2 July and 31 August, and a further chinook stock assessment fishery, limited to a small portion of Area, from 8 to 16 September. These two fisheries resulted in an estimated catch of 2,934 sockeye, 175,000 pink, 589 chinook and 372 chum salmon (Figure 3).

The Area 1 terminal gillnet fishery was open for a total of one fishing period, on 10 September, but no vessels opted for the fishery opening and no fish were caught. There was a troll opening in Area 1 between 2 July and 31 August, which resulted in an estimated catch of 2,934 sockeye, 175,000 pink, 589 chinook and 372 chum salmon. Due to conservation concerns for Upper Skeena coho and sockeye, along with West Coast Vancouver Island chinook stocks, interception fisheries were limited to specific sub-areas and times in Area 1, along with specific gear restrictions.

### **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 fishwheel operations conducted in the lower Nass River approximately five miles upstream from the old Nass test fishery site. In addition to the fishwheel estimates, catches in local Native food fisheries, and Canadian and Alaskan commercial fisheries are 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 or early September. In 2001, as in 2000, all Area 3 net fisheries operated with a non-retention, non-possession restriction for coho and were further restricted to daylight only fishing times. In addition, sub-area 3-1 was closed for the season to protect passing mixed stock coho populations.

Weekly 2001 hauled catch data by gear type for total Area 3 are presented in Tables 12 and 13.

The 2001 Area 3 gillnet fishery began on 13 June (Week 24) with one 16-hour opening in sub-Areas 3-2, 3, 4 and 7 (100 boat-days of effort) to assess Nass River sockeye run strength. Sockeye catches were normal for this time of year.

Another 16-hour opening was permitted on 19 July (Week 25) with 153 boat-days of effort hauling a sockeye catch of 9,200 fish. Sub-Area 3-12 was added to the previous week's open sub-areas.

During Week 26, three 16-hour fishing periods were permitted to assess the incoming sockeye run. Sockeye hauled catch for the week was 48,595 with fishing effort increasing to 614 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 well above average. In addition, the initial projected total return to Canada was 600 thousand, below the pre-season forecast of 740 thousand.

In Week 27, catches dropped sharply from only 81 boat-days of effort during the two 16-hour gillnet openings as the Nass sockeye return to Canada estimate decreased substantially to 400 thousand. As a result of poor catches in Canadian and Alaskan fisheries, and dropping escapement estimates from the Nass Fishwheels, fishing restrictions were put into place.

A single 16-hour opening during Week 28 resulted in a haul catch of 1,247 sockeye for 13 boat-days of effort. This catch, coupled with continued poor fishwheel escapement estimates, projected a final stock of 350 thousand sockeye. By this time most of the fleet had shifted to Area 4 as Skeena sockeye were returning stronger than expected.

During Week 29, a single 15-hour gillnet fishery and two 15-hour seine fisheries were scheduled in sub-areas 3-2 thru 4 and 7 to intercept passing Skeena sockeye stocks. Meanwhile, inner portions of Area 3 remained closed to reduce Nass sockeye interception. Seine vessels moved into the area to intercept passing Area 3 and 4 pinks, along with Skeena sockeye. Gillnet catch for six boat-days of effort was 696 sockeye. Forty-four seine boat-days of effort caught 6,082 sockeye and 99,795 pinks. Nass sockeye return estimates remained at approximately 350 thousand.

Gillnet openings in Week 30 increased to three 15-hour fishing periods, as effort was very low. In addition, seine vessels were given four openings to intercept passing Skeena sockeye and pink and Nass pink salmon, and to further assess Nass sockeye run strength. By this time, it became apparent that pink salmon abundance in Northern British Columbia was much stronger than the

pre-season forecast. The gillnet fleet (6 boat-days) harvested 935 sockeye and 2,431 pink salmon while the seine effort of 43 boat-days caught 21,812 sockeye and 290,414 pink salmon.

During Week 31, four 15-hour openings were scheduled for both gillnets and seines as run strength showed signs of improving. During the week 35 22 gillnet boat-days of effort caught 1,672 sockeye and 17,859 pinks while 85 seine boat-days of effort caught 19,319 sockeye and 517,079 pinks.

With continued increases in Nass sockeye run size estimations, gillnets were given two 15-hour openings during Week 32, while five 15-hour openings were scheduled for seines. The gillnet fleet remained low (36 boat-days) with a sockeye hailed catch of 3,965 sockeye and 14,800 pink. Meanwhile, the seine fleet (24 boat-days of effort) harvested 42,819 sockeye and 282,105 pinks.

By Week 33, gillnets were finished for the season, with the final gillnet opening being 7 August. Meanwhile, two 15-hour fishing periods were scheduled for seines, with a hailed catch of 7,583 sockeye and 148,717 pinks by 44 boat-days of effort.

In Week 34, two 15-hour fishing periods were again scheduled for seines. Seine effort dropped to 4 boat-days for the week, with hailed catches decreasing significantly to 647 sockeye and 14,674 pinks. The last fishing date for seines was 21 August.

For gillnets there was a total of 1,031 boat-days fishing, while seines accumulated 243 boat-days. The gillnet and seine sockeye hailed catches of 80,313 and 98,262, respectively, were lower than pre-season expectations. The catch of 39,108 pink salmon by gillnet and 1,352,784 by seine were well above the anticipated harvest as returns to Canada were much stronger than anticipated. Of the total Area 3 pink net catch, 44% (613,468) was taken in sub-areas 3-1 to 3-4. This was well below the 1973-1984 average of 73% and 1985-98 average of 61%. The total Area 3 seine effort of 243 boat-days was well below the 1973-1984 average of 1,102 boat-days and the 1985-1998 average of 1,257 boat-days. In 2001, 50.6 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 1985-1998 average of 71 percent.

Preliminary sockeye escapement estimates to the Nass totalled 168,747. Pink escapements for all stocks to Area 3 were generally above target levels with a preliminary total escapement of 329,649. Chum escapements to Area 3 were a bit below average in 2001 with a preliminary estimate of 31,970. Table 21 outlines Area 3 escapements for 2001.

#### **Area 4**

The 2001 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 2.8 million fish, with a variable weekly harvest rate dependent on the presence of co-migrating stock of concern. In-season abundance was determined by the Skeena test fishery, harvest rate and CPUE models, native food fish catches and commercial catches in Area 4 and other fishing areas in Northern BC

and in southern Southeast Alaska. Summaries of the 2001 gillnet and seine weekly catch and effort are provided in Tables 14 and 15.

The Area 4 gillnet fishery began on 18 June (Week 25) with one 28-hour opening scheduled to harvest Skeena chinook salmon at a terminal location (sub-Area 4-15 and a portion of 4-12). Effort for the week was 177 boat-days and the hailed catch was 2,986 chinook, well above the average for this opening. In Week 26, the fishery was opened for only 12 hours in an attempt to limit the total catch to the 4 thousand chinook annual ceiling. The chinook hailed catch for 47 boats-days of effort in this opening was 2,601 fish, giving a total directed chinook catch of 5,587.

The directed Skeena sockeye fishery began in Week 27 with four 16-hour openings. Effort for the week was 653 boat-days to catch 137,528 sockeye, along with a by-catch of 3,135 chinook and 1,577 chum. The Tyee Test Fishery indicated stronger than expected sockeye and chinook returns.

Four days of gillnet fishing were permitted during Week 28. These 16-hour fisheries resulted in 1441 boats-days of effort, with a sockeye hailed catch of 222,868 sockeye, 3,864 large chinook, 5,966 chum, and 8,169 pink salmon.

Week 29 was the first week of seine fishing, with one 15-hour opening resulting in a catch of 47,100 sockeye, 847 chum, and 12,876 pink for 40 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. . The gillnet fleet was permitted to fish a further four days at 15 hours per day. The fleet (1,326 boat-days of effort) caught 430,467 sockeye, 2,413 chinook, 2,796 chum, and 14,014 pink. On 18 July, 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). The sockeye catch for 18 July was 120,884, compared to 86,909 during the previous 15- hour opening two days earlier. These regulations were enforced for the remaining Area 4 gillnet fishery in 2001.

During Week 30 gillnet and seine fleets fished four 15-hour openings. The gillnet fleet (1,033 boat-days) caught 356,340 sockeye, 51,135 pink, 854 chum, and 1,120 large chinook. A total seine effort of 189 boat-days caught 355,766 sockeye, 94,082 pink, and 3,872 chum.

To protect upper Skeena coho stocks the net fleet was limited to three days of 15 hours fishing during Week 31. During those days, 606 gillnet boat-days of effort caught 136,819 sockeye, 73,373 pink, 714 chum, and 344 large chinook. The seine fleet (56 boat-days) retained 41,036 sockeye, 117,691 pink, and 1,884 chum.

Week 32 was the final week for the gillnet fleet, with a single 15-hour opening on 6 August. Catch for that day (97 boat-days of effort) was 19,048 sockeye, 16,676 pink, 224 chum, and 34 large chinook. The fishery was then terminated to protect Skeena coho stocks. The seine fleet

was allowed four 15-hour openings, during which 75 boat-days of effort retained 117,861 sockeye, and 484,433 pink. Chum retention was prohibited for the seine fleet beginning 6 August.

A continued moderate return of pink salmon, along with strong sockeye returns, allowed for three 15-hour seine fisheries during Week 33. The fleet (33 boat-days of effort) caught 8,762 sockeye and 324,640 pink. This was the final week of the 2001 Area 4 net fishery.

For gillnets in 2001 there was a total of 20 openings with a total of 5,380 gillnet boat-days compared to the 1990-99 average of 19.7 fishing days and 8,705 gillnet boat-days. Hauled catch totals for the gillnet fleet was 1,304,493 sockeye, 164,315 pink, 12,137 chum, and 16,497 large chinook. The seine fleet was allowed 15 fishing days for a total 243 boat-days. Total hauled catch for the seine fleet was 570,525 sockeye, 1,033,722 pink, and 6,603 chum.

The Skeena sockeye escapement estimate of 1,538,901 was well above the spawning target of 900 thousand. Both wild and enhanced Babine stocks were above target, with a net Babine escapement of 1,488,901. The Skeena pink escapement of 1,017,612 was slightly above the minimum escapement target of 1.0 million while the chum escapement estimate of 8,620 is well below target. Table 21 provides the 2001 Area 4 spawning escapements.

## **Area 5**

Management of the Area 5 fishery during July was based on Skeena sockeye abundance with openings set to allow for exploitation of Skeena sockeye stocks. From late July to early August, the fishery targeted Skeena pink stocks which used Area 5 as a migration route. In mid to late August, fisheries were managed to target local pink stocks. Tables 16 and 17 provide the weekly total Area 5 catch and effort for 2001.

In 2001, there were 10 gillnet openings scheduled for Area 5 to exploit passing Skeena sockeye and pink returns and Area 5 pink stocks. The gillnet fleet was allowed 17 open days fishing but the fleet opted to participate in 10 openings to account for a total effort of 87 boat-days effort. Total catch was 12,242 sockeye, 5,619 pink, 4,623 chum and 52 large chinook for the fleet. Non-retention, non-possession of coho was enforced for the gillnet fleet.

Pre-season expectations were for seine opportunities to catch passing 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 14 vessels a day participated in the nine openings between 16 July and 21 August. Total fishing effort was 56 boat-days, with a total catch of 17,130 sockeye, 545,238 pink and 3,497 chum. Chinook, coho and steelhead were non-retention, non-possession species through the seine season.

2001 Area 5 escapement information is provided in Table 21.

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

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

For 2001, 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 average return of pink salmon was anticipated for Canadian northern boundary area stocks as a result of good escapements in the brood year. A strong return was expected for the SSE Alaska pink stocks adjacent to the northern boundary area. The AAH for 2001 was 51,461,064, providing a Canadian catch allowance (2.49 %) of 1,281,380 pink salmon (Table 18). The Canadian pink catch in 2001 in sub-areas 3-1 to 3-4 was 613,468 with an estimate of the Alaska stock component of this catch of 471,379. This harvest was well below the targeted AAH of 2.49% leaving an “underage” in 2001 of 810,002 pink salmon.

The total Canadian pink catch of 613,468 in sub-areas 3-1 to 3-4 is 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 and Nass sockeye. The percentage of the 2001 Area 3 net catch taken in sub-areas 3(1-4) was 44 %, which was below the 1985-2000 average of 58%.

Pink escapements in 2001 were at or above target in Area 3 but below target in the Skeena.

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

For 2001, 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 2001 was 51,461,064 providing a Canadian catch allowance (2.57 %) of 1,322,549 Alaskan pink salmon (Table 19). The Canadian commercial troll fishery in Area 1 was open in the northern portion of the area from 2 July to 31 August. The fishery harvested a total of 175,000 pink salmon, with a very preliminary estimate of 151,531 of Alaskan origin. This will be well below the annex agreement for 2.57 percent of the AAH of Alaskan Districts 101, 102 and 103 pink salmon. The Canadian harvest was estimated to be 1,171,134 under the target catch.

## ***2002 Salmon Forecast Northern British Columbia***

Expectations and fishing plans for 2002 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 22.

### **Area 1 Expectations**

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

**Pink** Poor returns are expected for Area 1 pinks.  
**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 686 thousand is expected. Due to poor expectations for Skeena sockeye, no interception of passing Skeena stocks is anticipated in 2002.  
**Pink** A Nass pink return of 1.1 million is expected to provide an Area 3 catch of 750 thousand, along with an anticipated interception of 750 thousand Alaskan pinks. No contribution is anticipated by Skeena pink stocks, as the 2002 forecast is very poor.  
**Chum** Area 3 chum stocks remain below target levels. No targeted fishing is anticipated.  
**Fishing Plans** A very modest sockeye and pink fishery is anticipated in Area 3 in 2002

### **Area 4 Expectations**

**Sockeye** The Skeena sockeye return is forecast to be between 800 thousand and 1.2 million. No harvestable surplus is 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 will be no targeted fisheries on chum salmon.  
**Fishing Plans** Domestic management initiatives to respond to Upper Skeena coho conservation concerns and poor sockeye and pink returns will be the key factors in developing 2002 management plans.

### **Area 5 Expectations**

**Sockeye** No directed Skeena or local Area 5 sockeye fisheries are anticipated in 2002.  
**Pink** Local Area 5 pink returns in 2002 are expected to produce a surplus of about 700 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 conservation concerns and the poor returns of Skeena sockeye and pink salmon.

## TABLES

Table 1. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 101 purse seine fishery.

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
27	Sunday	7/1	5:00 AM	Sunday	7/1	8:00 PM	15	25	375	0	818	352	52,437	9,716	63,323
28	Sunday	7/8	5:00 AM	Sunday	7/8	8:00 PM	15	49	735	1	2,588	546	133,774	29,633	166,542
28B	Thursday	7/12	5:00 AM	Thursday	7/12	8:00 PM	15	55	825	0	2,695	1,228	99,953	12,888	116,764
29	Sunday	7/15	5:00 AM	Sunday	7/15	8:00 PM	15	47	705	0	3,939	1,778	236,294	17,491	259,502
29B	Thursday	7/19	5:00 AM	Thursday	7/19	8:00 PM	15	75	1,125	0	10,296	2,932	575,128	35,929	624,285
30	Sunday	7/22	5:00 AM	Monday	7/23	8:00 PM	39	81	3,159	1	38,957	4,210	1,063,459	48,785	1,155,412
30B	Thursday	7/26	5:00 AM	Thursday	7/26	8:00 PM	15	106	1,590	2	14,820	3,141	562,521	28,441	608,925
31	Sunday	7/29	5:00 AM	Monday	7/30	8:00 PM	39	91	3,549	0	39,667	6,048	982,788	79,596	1,108,099
31B	Thursday	8/2	5:00 AM	Friday	8/3	8:00 PM	39	67	2,613	0	16,913	6,158	854,333	88,550	965,954
32	Monday	8/6	5:00 AM	Tuesday	8/7	8:00 PM	39	59	2,301	87	18,647	3,850	1,009,802	29,933	1,062,319
32B	Friday	8/10	5:00 AM	Saturday	8/11	8:00 PM	39	31	1,209	17	3,062	1,955	460,063	7,112	472,209
33	Tuesday	8/14	5:00 AM	Wednesday	8/15	8:00 PM	39	39	1,521	3	1,063	2,322	574,932	5,084	583,404
33B	Saturday	8/18	6:00 AM	Sunday	8/19	9:00 PM	39	64	2,496	9	1,563	4,584	1,020,335	18,511	1,045,002
34A	Monday	8/20	6:00 AM	Monday	8/20	9:00 PM	21			Confidential information, less than 3 boats fishing					
34	Wednesday	8/22	6:00 AM	Thursday	8/23	9:00 PM	39	51	1,989	8	1,130	5,265	843,065	12,429	861,897
34B	Friday	8/24	6:00 AM	Friday	8/24	9:00 PM	15	0	0	0	0	0	0	0	0
35	Sunday	8/26	6:00 AM	Monday	8/27	9:00 PM	39	49	1,911	1	1,061	6,593	596,151	17,981	621,787
35A	Tuesday	8/28	6:00 AM	Tuesday	8/28	9:00 PM	15			Confidential information, less than 3 boats fishing					
35B	Thursday	8/30	6:00 AM	Saturday	9/1	11:59 PM	66	30	1,980	5	402	3,323	225,457	6,679	235,866
36	Sunday	9/2	12:00 AM	Tuesday	9/4	9:00 PM	69	4	276	0	62	1,120	40,194	885	42,261
<b>Season Total</b>							<b>627</b>	<b>925</b>	<b>28,395</b>	<b>134</b>	<b>157,683</b>	<b>55,405</b>	<b>9,344,123</b>	<b>449,743</b>	<b>10,007,088</b>

Table 2. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 102 purse seine fishery.

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
16	25	Wednesday	6/20	5:00 AM	Thursday	6/21	8:00 PM	39		Confidential information, less than 3 boats fishing					
	26	Sunday	6/24	5:00 AM	Wednesday	6/27	8:00 PM	87	19	1,653	0	2,998	2,101	10,462	59,181
	27	Sunday	7/1	5:00 AM	Wednesday	7/4	8:00 PM	87	44	3,828	12	5,205	3,201	83,716	137,296
	28	Sunday	7/8	5:00 AM	Sunday	7/8	8:00 PM	15	6	90	0	78	68	2,273	3,701
	28B	Thursday	7/12	5:00 AM	Thursday	7/12	8:00 PM	15	11	165	0	1,998	713	28,463	46,987
	29	Sunday	7/15	5:00 AM	Sunday	7/15	8:00 PM	15	25	375	0	2,291	5,828	32,819	61,123
	29B	Thursday	7/19	5:00 AM	Thursday	7/19	8:00 PM	15	32	480	0	2,397	20,340	91,548	130,214
	30	Sunday	7/22	5:00 AM	Monday	7/23	8:00 PM	39	24	936	0	12,226	8,772	150,001	190,906
	30B	Thursday	7/26	5:00 AM	Thursday	7/26	8:00 PM	15	27	405	60	3,113	5,026	162,940	182,184
	31	Sunday	7/29	5:00 AM	Monday	7/30	8:00 PM	39	23	897	81	3,728	10,324	291,452	321,424
	31B	Thursday	8/2	5:00 AM	Friday	8/3	8:00 PM	39	18	702	0	6,201	3,482	320,114	341,450
	32	Monday	8/6	5:00 AM	Tuesday	8/7	8:00 PM	39	40	1,560	48	5,111	4,326	695,884	721,191
	32B	Friday	8/10	5:00 AM	Saturday	8/11	8:00 PM	39	63	2,457	76	3,316	7,006	1,272,726	1,297,258
	33	Tuesday	8/14	5:00 AM	Wednesday	8/15	8:00 PM	39	70	2,730	31	2,185	7,387	1,339,789	1,361,628
	33B	Saturday	8/18	6:00 AM	Sunday	8/19	9:00 PM	39	40	1,560	5	1,053	3,867	675,183	693,634
	34	Wednesday	8/22	6:00 AM	Thursday	8/23	9:00 PM	39	34	1,326	0	714	3,780	471,577	501,197
	35	Sunday	8/26	6:00 AM	Monday	8/27	9:00 PM	39	40	1,560	7	828	7,744	513,813	560,579
	35B	Thursday	8/30	6:00 AM	Saturday	9/1	11:59 PM	66	51	3,365	0	294	6,654	366,809	416,218
	36	Sunday	9/2	12:00 AM	Tuesday	9/4	9:00 PM	69	12	828	1	128	3,213	93,616	119,600
	37	Monday	9/10	7:00 AM	Tuesday	9/11	7:00 PM	36	44	1,584	0	63	6,479	109,433	163,877
	37B	Friday	9/14	7:00 AM	Saturday	9/15	11:59 PM	41	39	1,598	0	49	3,487	31,340	73,454
	38	Sunday	9/16	12:00 AM	Wednesday	9/19	7:00 PM	91	33	3,003	0	25	3,432	20,345	83,280
	38B	Saturday	9/22	7:00 AM	Saturday	9/22	11:59 PM	17	9	153	0	0	150	65	16,392
	39	Sunday	9/23	12:00 AM	Tuesday	9/25	7:00 PM	67	29	1,943	0	1	1,559	309	37,087
	39B	Saturday	9/29	7:00 AM	Saturday	9/29	11:59 PM	17	8	136	0	0	255	0	12,356
	40	Sunday	9/30	12:00 AM	Tuesday	10/2	7:00 PM	67	13	871	0	0	123	0	8,902
<b>Season Total</b>							<b>1,110</b>	<b>755</b>	<b>34,244</b>	<b>321</b>	<b>54,032</b>	<b>119,407</b>	<b>6,765,704</b>	<b>604,087</b>	<b>7,543,551</b>



Table 3. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 103 purse seine fishery.

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
29B	Thursday	7/19	5:00 AM	Thursday	7/19	8:00 PM	15	8	120	0	1,937	2,743	19,409	2,181	26,270
30	Sunday	7/22	5:00 AM	Monday	7/23	8:00 PM	39	11	429	0	8,097	4,121	30,037	6,237	48,492
30B	Thursday	7/26	5:00 AM	Thursday	7/26	8:00 PM	15	8	120	0	2,822	1,836	32,736	3,900	41,294
31	Sunday	7/29	5:00 AM	Monday	7/30	8:00 PM	39			Confidential information, less than 3 boats fishing					
31B	Thursday	8/2	5:00 AM	Friday	8/3	8:00 PM	39	7	273	0	1,076	915	114,517	3,338	119,846
32	Monday	8/6	5:00 AM	Tuesday	8/7	8:00 PM	39	21	819	31	2,696	2,051	373,372	12,063	390,213
32B	Friday	8/10	5:00 AM	Saturday	8/11	8:00 PM	39	56	2,184	27	2,140	2,757	1,143,569	19,638	1,168,131
33	Tuesday	8/14	5:00 AM	Wednesday	8/15	8:00 PM	39	75	2,925	9	1,736	4,251	1,754,741	24,259	1,784,996
33B	Saturday	8/18	6:00 AM	Sunday	8/19	9:00 PM	39	75	2,925	21	2,222	5,106	1,542,750	30,854	1,580,953
34	Wednesday	8/22	6:00 AM	Thursday	8/23	9:00 PM	39	106	4,134	5	1,138	13,053	1,597,387	96,518	1,708,101
35	Sunday	8/26	6:00 AM	Monday	8/27	9:00 PM	39	93	3,627	3	943	9,433	1,314,058	47,100	1,371,537
35B	Thursday	8/30	6:00 AM	Saturday	9/1	11:59 PM	66	57	3,761	0	323	4,524	936,852	25,135	966,834
36	Sunday	9/2	12:00 AM	Tuesday	9/4	9:00 PM	69	25	1,725	0	47	2,597	431,353	8,256	442,253
36B	Wednesday	9/5	7:00 AM	Saturday	9/8	11:59 PM	89	9	801	0	2	1,643	226,541	5,461	233,647
37	Sunday	9/9	12:00 AM	Saturday	9/15	11:59 PM	168	8	1,344	0	0	5	94,346	19,777	114,128
38	Sunday	9/16	12:00 AM	Wednesday	9/19	7:00 PM	91	6	546	0	0	75	1,270	6,328	7,673
<b>Season Total</b>							<b>864</b>	<b>567</b>	<b>25,811</b>	<b>96</b>	<b>26,959</b>	<b>56,067</b>	<b>9,656,246</b>	<b>312,824</b>	<b>10,052,192</b>

Table 4. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 104 purse seine fishery.

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
27	Sunday	7/1	8:00 AM	Sunday	7/1	8:00 PM	12	26	312	0	11,802	4,397	33,028	12,782	62,009
28	Sunday	7/8	8:00 AM	Sunday	7/8	8:00 PM	12	58	696	0	29,912	6,005	70,489	15,662	122,068
28B	Thursday	7/12	8:00 AM	Thursday	7/12	6:00 PM	10	44	440	0	55,803	6,808	155,344	15,516	233,471
29	Sunday	7/15	8:00 AM	Sunday	7/15	6:00 PM	10	78	780	0	90,747	13,688	177,713	23,745	305,893
30	Sunday	7/22	5:00 AM	Sunday	7/22	11:00 AM	6	24	144	0	14,826	6,474	79,833	9,872	111,005
31	Sunday	7/29	5:00 AM	Monday	7/30	8:00 PM	39	93	3,627	0	160,836	32,315	1,648,222	64,675	1,906,048
31B	Thursday	8/2	5:00 AM	Friday	8/3	8:00 PM	39	118	4,602	53	68,088	25,981	2,346,447	60,026	2,500,595
32	Monday	8/6	5:00 AM	Tuesday	8/7	8:00 PM	39	91	3,549	1,428	52,818	14,358	1,809,200	35,451	1,913,255
32B	Friday	8/10	5:00 AM	Saturday	8/11	8:00 PM	39	68	2,652	316	20,464	6,413	1,478,380	24,709	1,530,282
33	Tuesday	8/14	5:00 AM	Wednesday	8/15	8:00 PM	39	64	2,496	219	8,890	6,525	1,464,563	22,947	1,503,144
33B	Saturday	8/18	6:00 AM	Sunday	8/19	9:00 PM	39	79	3,081	636	16,074	8,041	1,805,609	37,455	1,867,815
34	Wednesday	8/22	6:00 AM	Thursday	8/23	9:00 PM	39	28	1,092	16	3,887	1,711	533,119	13,107	551,840
35	Sunday	8/26	6:00 AM	Monday	8/27	9:00 PM	39	15	585	11	1,785	1,089	187,566	4,690	195,141
35B	Thursday	8/30	6:00 AM	Saturday	9/1	11:59 PM	66	7	462	0	702	398	125,347	4,335	130,782
36	Sunday	9/2	12:00 AM	Tuesday	9/4	9:00 PM	69	0	0	0	0	0	0	0	0
<b>Treaty Period Total (Weeks 27 - 30)</b>							<b>50</b>	<b>230</b>	<b>2,372</b>	<b>0</b>	<b>203,090</b>	<b>37,372</b>	<b>516,407</b>	<b>77,577</b>	<b>834,446</b>
<b>Season Total</b>							<b>497</b>	<b>793</b>	<b>24,518</b>	<b>2,679</b>	<b>536,634</b>	<b>134,203</b>	<b>11,914,860</b>	<b>344,972</b>	<b>12,933,348</b>

Table 5. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 101 drift gillnet fishery.

Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
25	Sunday	6/17	12:01 PM	Wednesday	6/20	12:00 PM	72	60	4,319	436	17,533	74	44	20,033	38,120
26	Sunday	6/24	12:01 PM	Wednesday	6/27	12:00 PM	72	60	4,319	314	10,185	789	2,646	22,460	36,394
27	Sunday	7/1	12:01 PM	Wednesday	7/4	12:00 PM	72	56	4,031	186	4,561	782	14,026	19,652	39,207
28	Sunday	7/8	12:01 PM	Tuesday	7/10	11:59 PM	60	49	2,938	110	8,513	575	24,743	25,874	59,815
29	Sunday	7/15	12:01 PM	Thursday	7/19	12:00 PM	96	52	4,991	147	4,861	1,042	81,690	35,722	123,462
30	Sunday	7/22	12:01 PM	Friday	7/27	12:00 PM	120	43	5,159	87	7,122	1,283	101,478	29,576	139,546
31	Sunday	7/29	12:01 PM	Friday	8/3	12:00 PM	120	46	5,519	62	6,383	1,854	67,552	15,508	91,359
32	Sunday	8/5	12:01 PM	Friday	8/10	12:00 PM	120	40	4,799	25	16,011	4,220	92,217	8,250	120,723
33	Sunday	8/12	12:01 PM	Friday	8/17	12:00 PM	120	41	4,919	5	3,186	2,800	71,155	9,275	86,421
34	Sunday	8/19	12:01 PM	Friday	8/24	12:00 PM	120	40	4,799	2	535	2,289	32,011	8,613	43,450
35	Sunday	8/26	12:01 PM	Friday	8/31	12:00 PM	120	45	5,399	2	772	8,187	18,850	9,985	37,796
36	Sunday	9/2	12:01 PM	Friday	9/7	12:00 PM	120	34	4,079	1	264	4,604	6,468	6,679	18,016
37	Sunday	9/9	12:01 PM	Thursday	9/13	12:00 PM	96	31	2,975	0	103	3,558	4,343	5,834	13,838
38	Sunday	9/16	12:01 PM	Wednesday	9/19	12:00 PM	72	17	1,224	2	12	3,447	514	2,255	6,230
<b>Season Total</b>							<b>1,380</b>	<b>614</b>	<b>59,473</b>	<b>1,379</b>	<b>80,041</b>	<b>35,504</b>	<b>517,737</b>	<b>219,716</b>	<b>854,377</b>

Table 6. Weekly commercial catch and fishing effort by opening in the 2001 Alaska District 106 drift gillnet fishery.

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
25	Sunday	6/17	12:01 PM	Tuesday	6/19	12:00 PM	48	48	2,303	336	8,767	374	407	6,378	16,262
26	Sunday	6/24	12:01 PM	Tuesday	6/26	12:00 PM	48	84	4,031	178	16,452	2,233	8,558	15,356	42,777
27	Sunday	7/1	12:01 PM	Tuesday	7/3	12:00 PM	48	94	4,510	118	12,282	4,227	31,598	20,256	68,481
28	Sunday	7/8	12:01 PM	Tuesday	7/10	12:00 PM	48	91	4,366	49	16,337	5,454	28,992	24,275	75,107
29	Sunday	7/15	12:01 PM	Wednesday	7/18	12:00 PM	72	121	8,710	186	40,047	18,515	138,712	55,931	253,391
30	Sunday	7/22	12:01 PM	Wednesday	7/25	12:00 PM	72	127	9,142	120	39,686	11,203	113,272	34,044	198,325
31	Sunday	7/29	12:01 PM	Wednesday	8/1	12:00 PM	72	120	8,638	33	22,803	9,514	142,733	24,215	199,298
32	Sunday	8/5	12:01 PM	Thursday	8/9	12:00 PM	96	72	6,911	10	4,450	6,390	116,531	10,018	137,399
33	Sunday	8/12	12:01 PM	Thursday	8/16	12:00 PM	96	71	6,815	2	1,969	5,588	143,647	9,211	160,417
34	Sunday	8/19	12:01 PM	Thursday	8/23	12:00 PM	96	86	8,255	0	746	11,955	59,923	14,499	87,123
35	Sunday	8/26	12:01 PM	Thursday	8/30	12:00 PM	96	81	7,775	0	208	18,546	29,785	14,243	62,782
36	Sunday	9/2	12:01 PM	Wednesday	9/5	12:00 PM	72	87	6,263	5	153	16,555	6,228	16,244	39,185
37	Sunday	9/9	12:01 PM	Wednesday	9/12	12:00 PM	72	96	6,910	3	89	28,478	4,637	24,371	57,578
38	Sunday	9/16	12:01 PM	Wednesday	9/19	12:00 PM	72	84	6,047	3	18	19,427	304	7,469	27,221
39	Sunday	9/23	12:01 PM	Wednesday	9/26	12:00 PM	72	39	2,807	4	2	15,186	3	4,030	19,225
40	Sunday	9/30	12:01 PM	Wednesday	10/3	12:00 PM	72	23	1,656	9	4	12,058	0	2,065	14,136
41	Sunday	10/7	12:01 PM	Tuesday	10/9	12:00 PM	48	7	336	1	0	2,762	0	305	3,068
<b>Season Total</b>							<b>1,200</b>	<b>1,331</b>	<b>95,474</b>	<b>1,057</b>	<b>164,013</b>	<b>188,465</b>	<b>825,330</b>	<b>282,910</b>	<b>1,461,775</b>

Table 7. Weekly commercial catch and fishing effort by opening in the 2001 Annette Island Reserve purse seine fishery.

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
26	Sunday	6/24	5:00 AM	Sunday	6/24	8:00 PM	15	NA	NA	129	249	50	1,598	298	2,324
26B	Thursday	6/28	5:00 AM	Thursday	6/28	8:00 PM	15	NA	NA	11	194	58	2,121	436	2,820
27	Monday	7/2	5:00 AM	Monday	7/2	8:00 PM	15	NA	NA	107	480	56	12,257	797	13,697
27B	Thursday	7/5	5:00 AM	Thursday	7/5	8:00 PM	15	NA	NA	28	136	45	8,194	427	8,830
28	Sunday	7/8	5:00 AM	Sunday	7/8	8:00 PM	15	NA	NA	48	370	135	8,590	546	9,689
28B	Wednesday	7/11	5:00 AM	Wednesday	7/11	8:00 PM	15	NA	NA	30	672	66	39,940	636	41,344
29	Monday	7/16	5:00 AM	Monday	7/16	8:00 PM	15	NA	NA	75	841	136	78,274	2,041	81,367
29B	Wednesday	7/18	5:00 AM	Wednesday	7/18	8:00 PM	15	NA	NA	80	1,233	184	86,265	2,085	89,847
29C	Friday	7/20	5:00 AM	Friday	7/20	8:00 PM	15	NA	NA	44	2,937	199	64,401	1,103	68,684
30	Monday	7/23	5:00 AM	Tuesday	7/24	8:00 PM	39	NA	NA	49	3,056	242	76,779	1,290	81,416
30B	Thursday	7/26	5:00 AM	Friday	7/27	8:00 PM	39	NA	NA	60	5,339	433	66,650	1,787	74,269
31	Monday	7/30	5:00 AM	Tuesday	7/31	8:00 PM	39	NA	NA	32	2,607	343	132,168	1,590	136,740
31B	Thursday	8/2	5:00 AM	Friday	8/3	8:00 PM	39	NA	NA	8	1,806	668	161,300	1,531	165,313
32	Monday	8/6	5:00 AM	Tuesday	8/7	8:00 PM	39	NA	NA	8	3,001	606	125,840	1,028	130,483
32B	Friday	8/10	5:00 AM	Saturday	8/11	8:00 PM	39	NA	NA	0	896	349	132,262	428	133,935
33	Tuesday	8/14	5:00 AM	Wednesday	8/15	8:00 PM	39	NA	NA	0	359	294	165,610	389	166,652
33B	Saturday	8/18	5:00 AM	Saturday	8/18	11:59 PM	19	NA	NA	0	387	330	126,858	556	128,131
34	Sunday	8/19	12:00 AM	Sunday	8/19	8:00 PM	20	NA	NA	0	133	198	117,069	343	117,743
34B	Wednesday	8/22	5:00 AM	Thursday	8/23	8:00 PM	39	NA	NA	0	212	810	64,128	437	65,587
35	Sunday	8/26	6:00 AM	Monday	8/27	9:00 PM	39	NA	NA	0	350	1,820	94,452	1,228	97,850
35B	Thursday	8/30	6:00 AM	Friday	8/31	9:00 PM	39	NA	NA	0	144	1,062	71,093	969	73,268
36	Sunday	9/2	6:00 AM	Sunday	9/2	9:00 PM	15	NA	NA	0	30	540	19,295	372	20,237
38	Tuesday	9/18	6:00 AM	Tuesday	9/18	9:00 PM	15	NA	NA	0	0	598	0	169	767
39	Sunday	9/23	6:00 AM	Sunday	9/23	9:00 PM	15	NA	NA	0	0	3,356	0	384	3,740
39B	Thursday	9/27	6:00 AM	Friday	9/28	9:00 PM	39	NA	NA	0	0	779	0	79	858
40	Monday	10/1	6:00 AM	Tuesday	10/2	9:00 PM	39	NA	NA	0	0	56	0	1	57
40B	Friday	10/5	6:00 AM	Friday	10/5	9:00 PM	15	NA	NA	0	0	0	0	0	0
41	Sunday	10/7	6:00 AM	Sunday	10/7	9:00 PM	15	NA	NA	0	0	0	0	0	0
41B	Thursday	10/11	6:00 AM	Friday	10/12	9:00 PM	39	NA	NA	0	0	0	0	0	0
42	Sunday	10/14	6:00 AM	Sunday	10/14	9:00 PM	15	NA	NA	0	0	0	0	0	0
42B	Wednesday	10/17	6:00 AM	Thursday	10/18	9:00 PM	39	NA	NA	0	0	0	0	0	0
<b>Season Total</b>							<b>810</b>	<b>NA</b>	<b>NA</b>	<b>709</b>	<b>25,432</b>	<b>13,413</b>	<b>1,655,144</b>	<b>20,950</b>	<b>1,715,648</b>

Table 8. Weekly commercial catch and fishing effort by opening in the 2001 Annette Island Reserve gillnet fishery.

Week/ Opening	Openings			Closures			Effort			Catch					
	Day	Date	Time	Day	Date	Time	Hours	Boats	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
24	Sunday	6/10	12:00 PM	Friday	6/15	12:00 PM	120	NA	NA	277	325	17	4	3,158	3,781
25	Sunday	6/17	12:00 PM	Friday	6/22	12:00 PM	120	NA	NA	1,042	1,326	121	1,526	11,932	15,947
26	Sunday	6/24	12:00 PM	Friday	6/29	12:00 PM	120	NA	NA	1,037	1,848	584	16,314	15,083	34,866
27	Sunday	7/1	12:00 PM	Friday	7/6	12:00 PM	120	NA	NA	425	974	197	17,167	8,776	27,539
28	Sunday	7/8	12:00 PM	Thursday	7/12	12:00 PM	96	NA	NA	244	1,868	463	35,847	12,981	51,403
29	Sunday	7/15	12:00 PM	Friday	7/20	12:00 PM	120	NA	NA	243	2,189	588	58,310	9,107	70,437
30	Sunday	7/22	12:00 PM	Friday	7/27	12:00 PM	120	NA	NA	167	3,749	350	35,689	8,290	48,245
31	Sunday	7/29	12:00 PM	Thursday	8/2	12:00 PM	96	NA	NA	11	2,117	437	50,960	5,842	59,367
32	Sunday	8/5	12:00 PM	Friday	8/10	12:00 PM	120	NA	NA	0	840	338	15,384	672	17,234
33	Sunday	8/12	12:00 PM	Friday	8/17	12:00 PM	120	NA	NA	1	347	472	55,773	1,235	57,828
34	Sunday	8/19	12:00 PM	Friday	8/24	12:00 PM	120	NA	NA	0	111	792	28,520	976	30,399
35	Sunday	8/26	12:00 PM	Friday	8/31	12:00 PM	120	NA	NA	0	113	1,929	24,577	3,728	30,347
36	Sunday	9/2	12:00 PM	Friday	9/7	12:00 PM	120	NA	NA	0	6	4,141	0	6,820	10,967
37	Sunday	9/9	12:00 PM	Thursday	9/13	12:00 PM	96	NA	NA	0	0	2,745	0	7,054	9,799
38	Sunday	9/16	12:00 PM	Thursday	9/20	12:00 PM	96	NA	NA	0	0	5,067	0	5,303	10,370
39	Sunday	9/23	12:00 PM	Friday	9/28	12:00 PM	120	NA	NA	0	0	11,385	0	3,673	15,058
40	Sunday	9/30	12:00 PM	Friday	10/5	12:00 PM	120	NA	NA	0	0	7,205	0	762	7,967
41	Sunday	10/7	12:00 PM	Friday	10/12	12:00 PM	120	NA	NA	0	0	4,236	0	103	4,339
42	Sunday	10/14	12:00 PM	Friday	10/19	12:00 PM	120	NA	NA	0	0	2,575	0	10	2,585
<b>Total Season</b>							<b>2,184</b>	<b>NA</b>	<b>NA</b>	<b>3,447</b>	<b>15,813</b>	<b>43,642</b>	<b>340,071</b>	<b>105,505</b>	<b>508,478</b>

Table 9. Southern Southeast Alaska pink salmon escapement indices by stock group and district for 2001.

Stock	District	Total Bias Adjusted Sum for 2001	Average 60-99	Upper 80th Percentile (60-99)	Average 1990-1999	Minimum Escapement Goal	Maximum Escapement Goal
Portland	101	519,969	243,589	431,101	339,306	2,000,000	3,000,000
E Behm	101	2,977,408	1,050,751	1,501,824	1,847,100		
W Behm	101	851,675	406,401	679,762	625,905		
Kasaan	102	1,052,729	534,225	756,503	1,038,471		
Moirra	102	100,894	85,502	135,076	123,787		
E Dall	103	350,997	219,309	323,912	362,691		
Hetta	103	496,180	418,438	614,114	808,507		
Klawock	103	1,918,907	822,668	1,358,060	1,409,580		
Sea Otter Sound	103	492,699	177,189	249,195	290,473		
Affleck Canal	105	579,400	158,035	267,696	359,718		
Shipley Bay	105	457,500	148,215	185,837	374,749		
Burnett	106	244,100	79,259	111,381	189,587		
Ratz Harbor	106	171,300	80,579	113,772	181,280		
Totem Bay	106	272,209	79,032	108,778	198,172		
Whale Pass	106	307,676	107,324	205,610	238,999		
Anan	107	580,405	290,979	473,273	474,607		
Union Bay	107	299,600	79,746	132,785	139,934		
Stikine	108	116,395	23,895	46,073	42,817		
<b>Total 101</b>		4,349,052	1,700,741	2,612,687	2,812,311	2,000,000	3,000,000
<b>Total 102</b>		1,153,623	619,727	891,580	1,162,258	600,000	1,100,000
<b>Total 103</b>		3,258,783	1,637,604	2,545,282	2,871,250	1,700,000	2,550,000
<b>Total 105</b>		1,036,900	306,250	453,533	734,467	500,000	650,000
<b>Total 106</b>		995,285	346,193	539,541	808,038	600,000	850,000
<b>Total 107</b>		880,005	370,725	606,058	614,540	600,000	850,000
<b>SSE Total</b>		11,790,043	<b>5,005,134</b>	<b>7,694,754</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, 2001.

JULIAN WEEK	STAT. WEEK	WEEK ENDING	CATCH						HOURS	BOAT DAYS
		DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	OPEN	FISHED
FISHERY ON PASSING STOCKS			(No fishery on passing stocks)							
TOTAL FISHERY ON PASSING STOCKS			-	-	-	-	-	-		
LOCAL FISHERY (No local fishery)										
37	9-2	16 SEPT	-	-	-	-	-	-	12	-
TOTAL LOCAL FISHERY			-	-	-	-	-	-	12	-
TOTAL AREA 1 GN FISHERY			-	-	-	-	-	-	12	-

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

JULIAN WEEK	STAT. WEEK	WEEK ENDING	SOCKEYE	COHO	CATCH				HOURS	BOAT DAYS
		DATE			PINK	CHUM	CHINOOK	TOTAL	OPEN	FISHED
FISHERY ON PASSING STOCKS										
28	7-1	8 JULY	43	-	1,060	134	-	1,237	168	16
29	7-2	15 JULY	333	-	8,437	240	-	9,010	168	24
30	7-3	22 JULY	592	-	28,493	531	-	29,616	168	84
31	7-4	29 JULY	231	-	18,919	431	-	19,581	168	77
32	7-5	5 AUG	775	-	46,814	429	-	48,018	168	120
33	8-1	12 AUG	525	-	33,926	284	-	34,735	168	99
34	8-2	19 AUG	266	-	28,322	191	-	28,779	168	74
35	8-3	26 AUG	137	-	7,647	120	-	7,904	168	50
36	8-4	2 SEPT	-	-	1,382	-	-	1,382	168	16
37	9-1	9 SEPT	-	-	-	-	59	59	24	1
38	9-2	16 SEPT	-	-	-	-	423	423	168	19
39	9-3	23 SEPT	-	-	-	-	-	-	-	-
40	9-4	30 SEPT	-	-	-	-	-	-	-	-
TOTAL FISHERY ON PASSING STOCKS			2,902	-	175,000	2,360	482	180,744	1,704	580
NO LOCAL FISHERY										
TOTAL AREA 1 TROLL			2,902	-	175,000	2,360	482	180,744	1,704	580

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	HOURS OPEN	BOAT DAYS FISHED
			SOCKEYE	COHO	PINK	CHUM	CHINOOK			
25	6-2	17 JUNE	1,704	-	4	209	144	2,061	48	43
26	6-3	24 JUNE	3,000	-	4	150	209	3,363	96	50
27	6-4	1 JULY	12,117	-	298	2,693	196	15,304	128	187
28	7-1	8 JULY	2,797	-	992	1,273	32	5,094	176	25
29	7-2	15 JULY	1,132	-	378	470	-	1,980	60	12
30	7-3	22 JULY	696	-	470	297	-	1,463	60	6
31	7-4	29 JULY	-	-	-	-	-	-	60	-
32	7-5	5 AUG	35	-	325	3	-	363	45	1
33	8-1	12 AUG	-	-	-	-	-	-	-	-
34	8-2	19 AUG	-	-	-	-	-	-	13	-
TOTALS			21,481	-	2,471	5,095	581	29,628	686	323

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

WEEK			CATCH						BOAT	
JULIAN	STAT.	ENDING							HOURS	DAYS
WEEK	WEEK	DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	OPEN	FISHED
24	6-2	17 JUNE	3,999	-	4	464	229	5,740	16	100
25	6-3	24 JUNE	9,200	-	4	460	364	12,008	16	153
26	6-4	1 JULY	48,595	-	887	4,160	1,884	65,938	48	614
27	7-1	8 JULY	10,004	-	2,275	1,912	100	15,493	32	81
28	7-2	15 JULY	1,247	-	378	470	122	2,605	16	13
29	7-3	22 JULY	696	-	470	297	-	1,482	16	6
30	7-4	29 JULY	935	-	2,431	170	-	3,110	30	6
31	7-5	5 AUG	1,672	-	17,859	455	4	16,108	60	22
32	8-1	12 AUG	3,965	-	14,800	618	-	16,517	30	36
33	8-2	19 AUG	-	-	-	-	-	-	-	-
34	8-3	26 AUG	-	-	-	-	-	-	-	-
TOTALS			80,313	0	39,108	9,006	2,703	139,001	264	1,031

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

JULIAN WEEK	WEEK		CATCH						BOAT	
	STAT. WEEK	ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	HOURS OPEN	DAYS FISHED
29	7-2	15 JULY	4,089	-	83,327	4,453	-	91,869	31	33
30	7-3	22 JULY	15,053	-	147,574	4,621	-	167,248	60	24
31	7-4	29 JULY	9,684	-	229,850	3,213	-	242,747	60	34
32	7-5	5 AUG	13,728	-	49,259	-	8	62,995	75	10
33	8-1	12 AUG	10,845	-	100,987	-	-	-	45	23
34	8-2	19 AUG	-	-	-	-	-	-	30	-
<b>TOTALS</b>			<b>53,399</b>	<b>-</b>	<b>610,997</b>	<b>12,287</b>	<b>8</b>	<b>564,859</b>	<b>301</b>	<b>124</b>

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.  
 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, 2001.

WEEK			CATCH						BOAT	
JULIAN	STAT.	ENDING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	HOURS	DAYS
WEEK	WEEK	DATE							OPEN	FISHED
29	7-3	22 JULY	6,082	-	99,795	5,190	-	111,067	31	44
30	7-4	29 JULY	21,812	-	290,414	7,271	-	319,497	60	43
31	7-5	5 AUG	19,319	-	517,079	8,171	-	544,569	60	85
32	8-1	12 AUG	42,819	-	282,105	-	8	324,924	75	24
33	8-2	19 AUG	7,583	-	148,717	-	-	156,300	45	46
34	8-3	26 AUG	647	-	14,674	-	-	15,321	30	4
<b>TOTALS</b>			<b>98,262</b>	<b>-</b>	<b>1,352,784</b>	<b>20,632</b>	<b>8</b>	<b>1,471,678</b>	<b>301</b>	<b>246</b>

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

WEEK			CATCH						BOAT	
JULIAN	STAT.	ENDING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	HOURS	DAYS
WEEK	WEEK	DATE							OPEN	FISHED
24	6-2	17 JUNE	-	-	-	-	-	-		
25	6-3	24 JUNE	1,088	-	-	2	2,986	4,076	28	177
26	6-4	1 JULY	335	-	-	4	2,601	2,940	12	47
27	7-1	8 JULY	137,528	-	921	1,577	3,135	143,161	32	653
28	7-2	15 JULY	222,686	-	8,169	5,966	3,864	240,685	64	1,441
29	7-3	22 JULY	430,467	-	14,041	2,796	2,413	449,717	63	1,326
30	7-4	29 JULY	356,340	-	51,135	854	1,120	409,449	60	1,033
31	7-5	5 AUG	136,819	-	73,373	714	344	211,250	45	606
32	8-1	12 AUG	19,048	-	16,676	224	34	35,982	15	97
33	8-2	19 AUG	-	-	-	-	-	-	-	-
34	8-3	26 AUG	-	-	-	-	-	-	-	-
35	8-4	2 SEPT	-	-	-	-	-	-	-	-
36	9-1	9 SEPT	-	-	-	-	-	-	-	-
37	9-2	16 SEPT	-	-	-	-	-	-	-	-
38	9-3	23 SEPT	-	-	-	-	-	-	-	-
39	9-4	30 SEPT	-	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>1,304,311</b>	<b>-</b>	<b>164,315</b>	<b>12,137</b>	<b>16,497</b>	<b>1,497,260</b>	<b>319</b>	<b>5,380</b>

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

WEEK			CATCH						BOAT	
JULIAN	STAT.	ENDING	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	HOURS	DAYS
WEEK	WEEK	DATE							OPEN	FISHED
29	7-3	22 JULY	47,100		12,876	847	-	60,823	15	40
30	7-4	29 JULY	355,766	-	94,082	3,872	-	453,720	60	189
31	7-5	5 AUG	41,009	-	117,691	1,884	-	160,584	45	56
32	8-1	12 AUG	117,861	-	484,433	-	-	602,294	60	75
33	8-2	19 AUG	8,762	-	324,640	-	-	333,402	45	33
34	8-3	26 AUG	-	-	-	-	-	-		
35	8-4	2 SEPT	-	-	-	-	-	-		
TOTALS			570,498	-	1,033,722	6,603	-	1,610,823	225	393

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

JULIAN WEEK	WEEK		CATCH						HOURS OPEN	BOAT DAYS
	STAT. WEEK	ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL		
27	6-4	1 JULY	2,822	-	1,198	1,243	15	5,278	32	23
28	7-1	8 JULY	5,646	-	3,459	2,950	29	12,084	80	43
29	7-2	15 JULY	3,146	-	879	425	8	4,458	47	17
30	7-3	22 JULY	810	-	83	5	-	898	60	4
31	7-4	29 JULY	-	-	-	-	-	-	45	-
32	7-5	5 AUG	-	-	-	-	-	-	15	-
TOTALS			12,424	-	5,619	4,623	52	22,718	279	87

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

JULIAN WEEK	WEEK		CATCH						HOURS	BOAT
	STAT. WEEK	ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	OPEN	DAYS FISHED
29	7-2	15 JULY	7,899	-	6,706	2,756	-	17,361	31	12
30	7-3	22 JULY	1,880	-	1,813	256	-	3,949	60	4
31	7-4	29 JULY	1,430	-	21,675	445	-	23,550	45	3
32	7-5	5 AUG	1,428	-	99,500	40	-	100,968	60	5
33	8-1	12 AUG	3,824	-	266,886	-	-	270,710	45	18
34	8-2	19 AUG	669		148,658	-	-	149,327	30	14
<b>TOTALS</b>			<b>17,130</b>	<b>-</b>	<b>545,238</b>	<b>3,497</b>	<b>-</b>	<b>565,865</b>	<b>271</b>	<b>56</b>

NOTE: 2001 Catch figures are based on year-end hail data, as sales slip data not finalized.

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, 2001.

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Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:	
Total Run	62,211,317
Actual Escapement	21,903,643
Escapement Requirement	10,750,000
Annual Allowable Harvest (AAH)	51,461,064
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)	613,468
Actual Number of Alaskan Pink Harvested	471,379
Actual %AAH	0.92%
Overage/Underage Based on the 2.49% AAH Stipulated in the Treaty:	
Allowable % AAH	2.49%
Allowable Harvest	1,281,380
Overage (Positive)/Underage (Negative)	(810,002)
Cumulative Overage/Underage	(857,972)

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Table 21. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 1 troll fishery, 2001.

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Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:	
Total Run	62,211,064
Actual Escapement	21,903,643
Escapement Requirement	10,750,000
Annual Allowable Harvest (AAH)	51,461,064
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 1 Troll Fishery:	
Total Pink Harvest in Area 1 Troll (Hail Data)	175,000
Actual Number of Alaskan Pink Harvested	151,415
Actual %AAH	0.29%
Overage/Underage Based on the 2.57% AAH Stipulated in the Treaty:	
Allowable % AAH	2.57%
Allowable Harvest	1,322,549
Overage (Positive)/Underage (Negative)	(1,171,134)
Cumulative Overage/Underage	(2,508,611)

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Table 22. Department of Fisheries and Oceans, 2001 escapements to Areas 1, 3, 4, and 5 (preliminary).

<b>Area</b>	<b>Sockeye</b>	<b>Pink</b>	<b>Chum</b>
<b>3</b>	168,747	1,007,899	31,970
<b>Meziadin</b>	116,192		
<b>4</b>	1,410,296	1,017,612	8,620
<b>5</b>	21,500	400,350	3,080

Table 23. Department of Fisheries and Oceans, 2002 commercial net salmon forecast, Areas 1, 3., 4, and 5.

		<b>FORECAST RETURNS</b>	<b>ESCAPEMENT GOAL</b>	<b>CATCH OF AREAS PRODUCTION</b>	<b>CATCH OF OTHER AREAS PRODUCTION</b>	<b>TOTAL CATCH IN AREA</b>
<b>AREA 1</b>	<b>Sockeye</b>	No forecast	N/A			
	<b>Pink</b>	350,000	350,000			
<b>AREA 3</b>	<b>Sockeye</b>	686,000	200,000	486,000		486,000
	<b>Pink</b>	1,100,000	350,000	750,000	750,000	1,500,000
<b>AREA 4</b>	<b>Sockeye</b>	1,200,000	900,000			
	<b>Pink</b>	1,450,000	1,000,000	450,000**		450,000
<b>AREA 5</b>	<b>Sockeye</b>	35,000	30,000	5,000**		5,000
	<b>Pink</b>	950,000	250,000	700,000**		700,000

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

\*\* - Harvest opportunities will be limited by concerns for other co-migrating stocks

## FIGURES

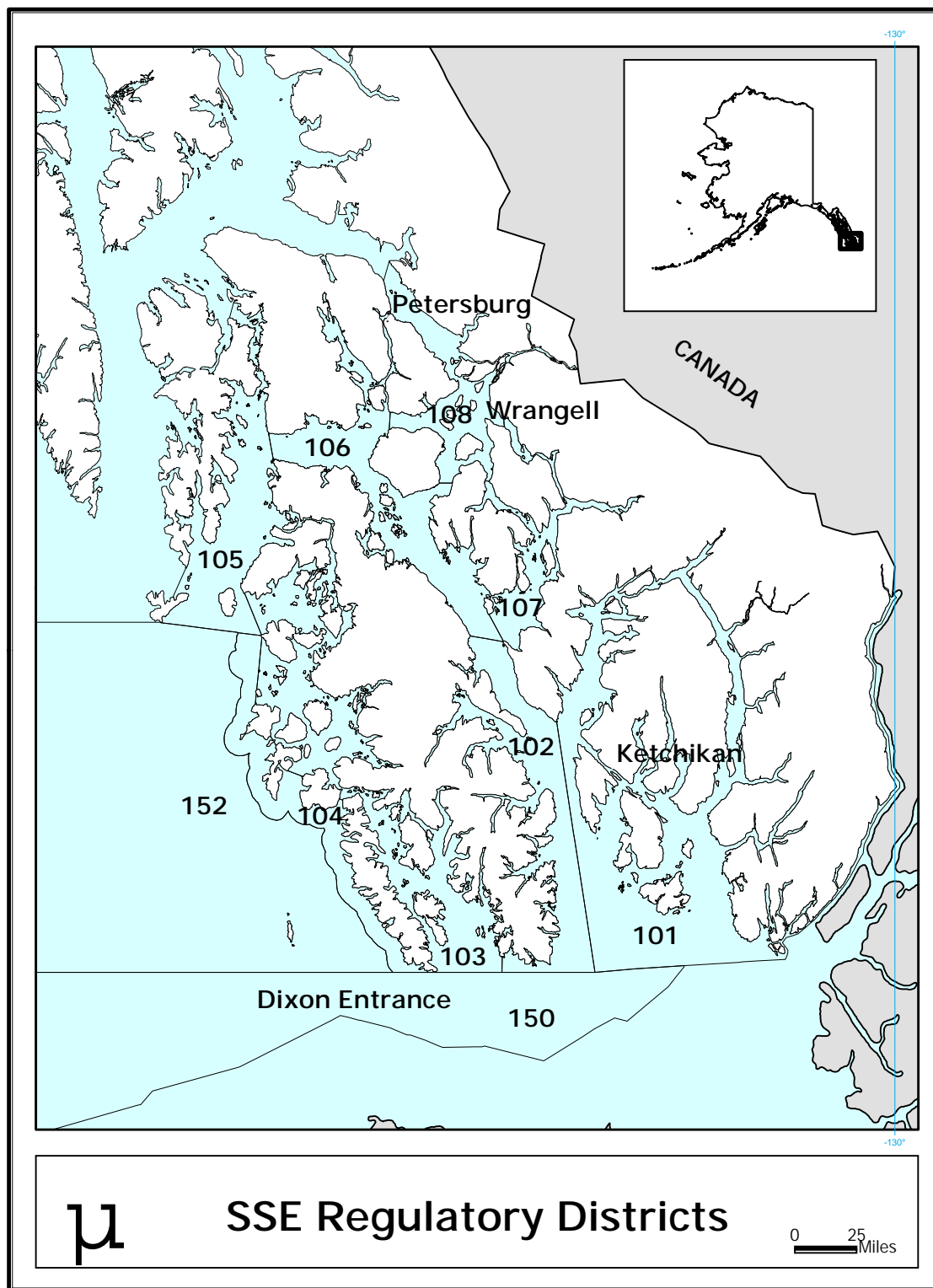


Figure 1. Alaska Department of Fish and Game Southern Southeast Alaska regulatory districts.

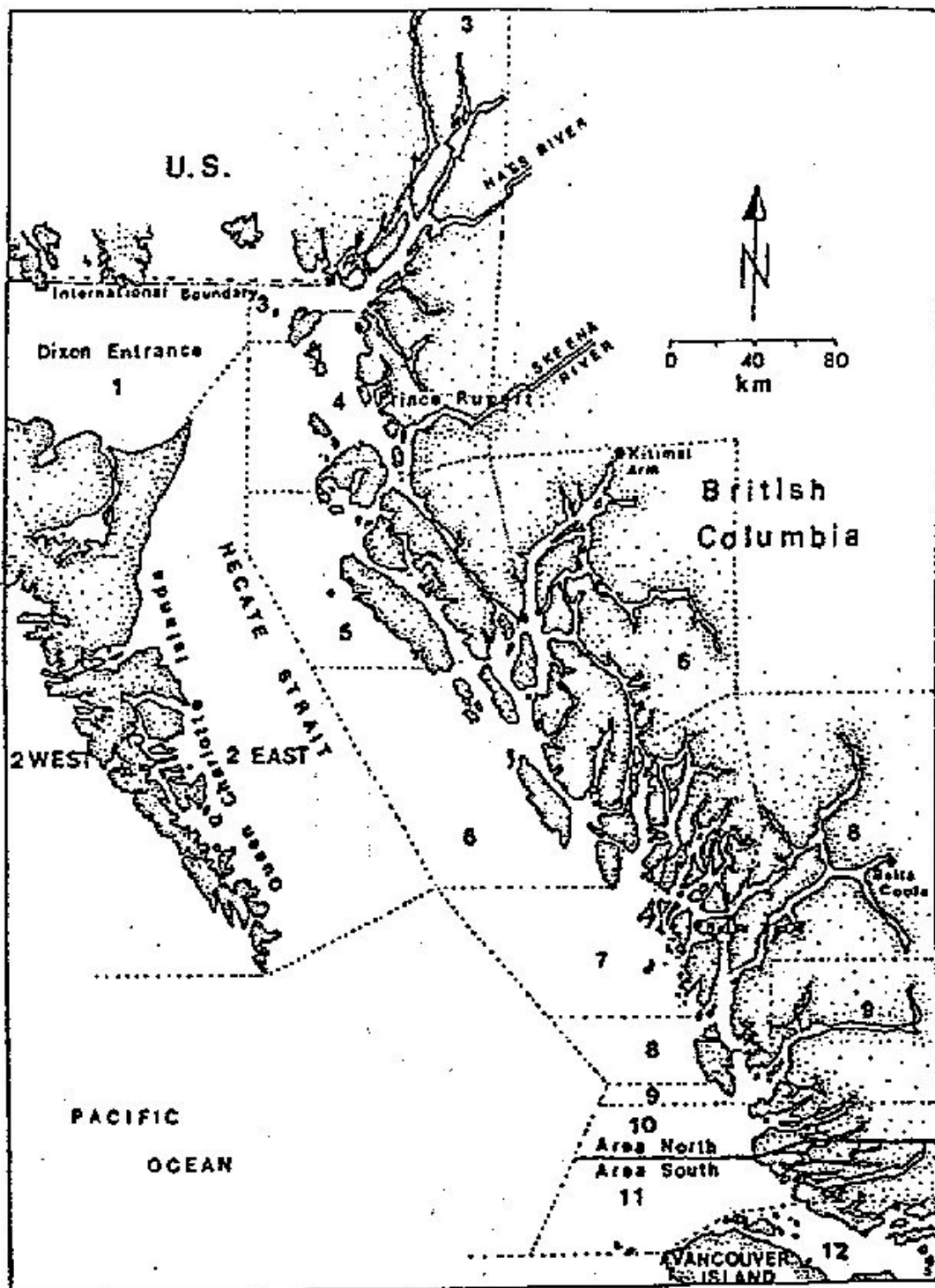


Figure 2. Canadian Department of Fisheries and Oceans Statistical Areas 1-10, Northern British Columbia.



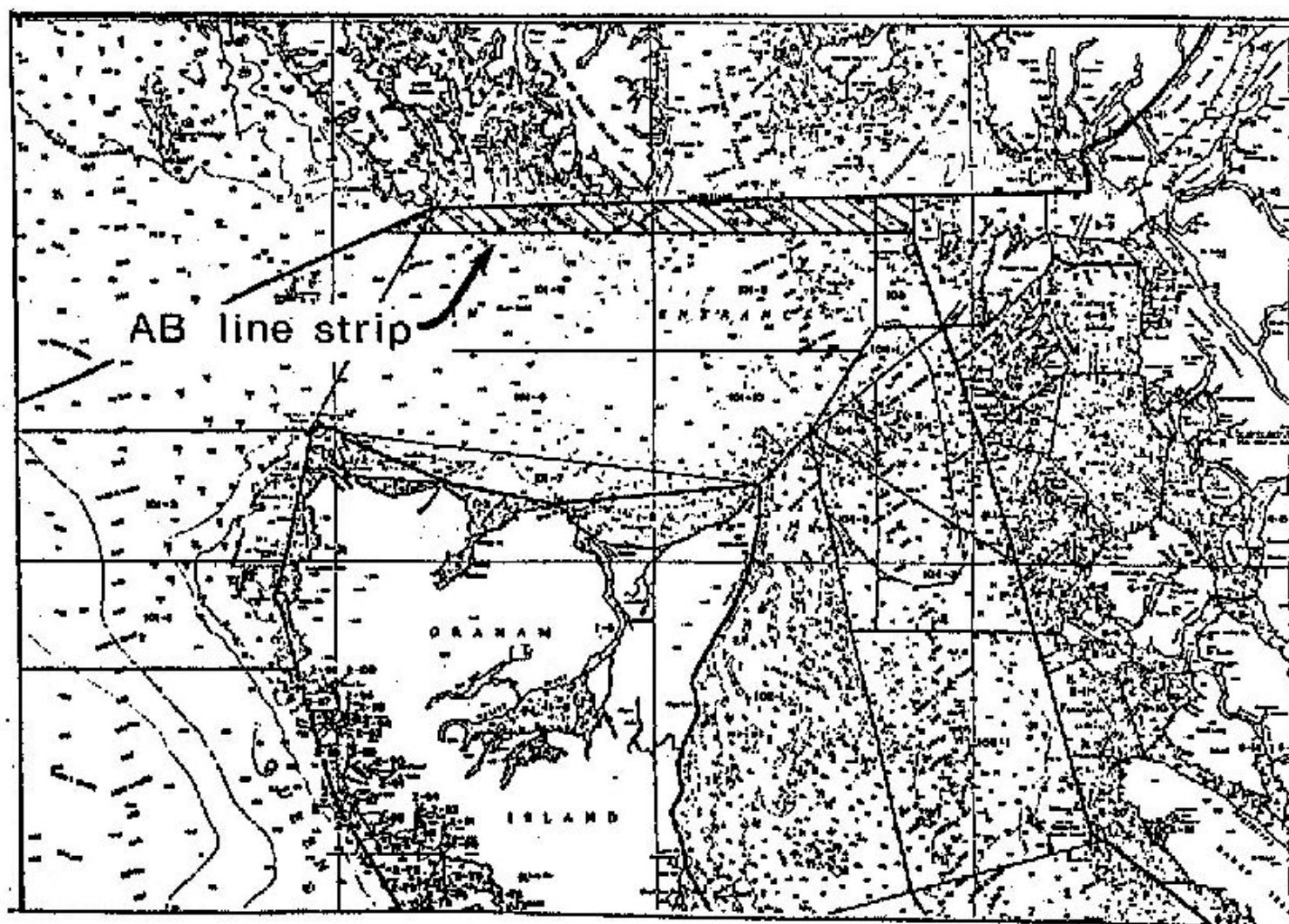


Figure 3. Canadian Department of Fisheries and Oceans Statistical Area 1 management sub-areas.



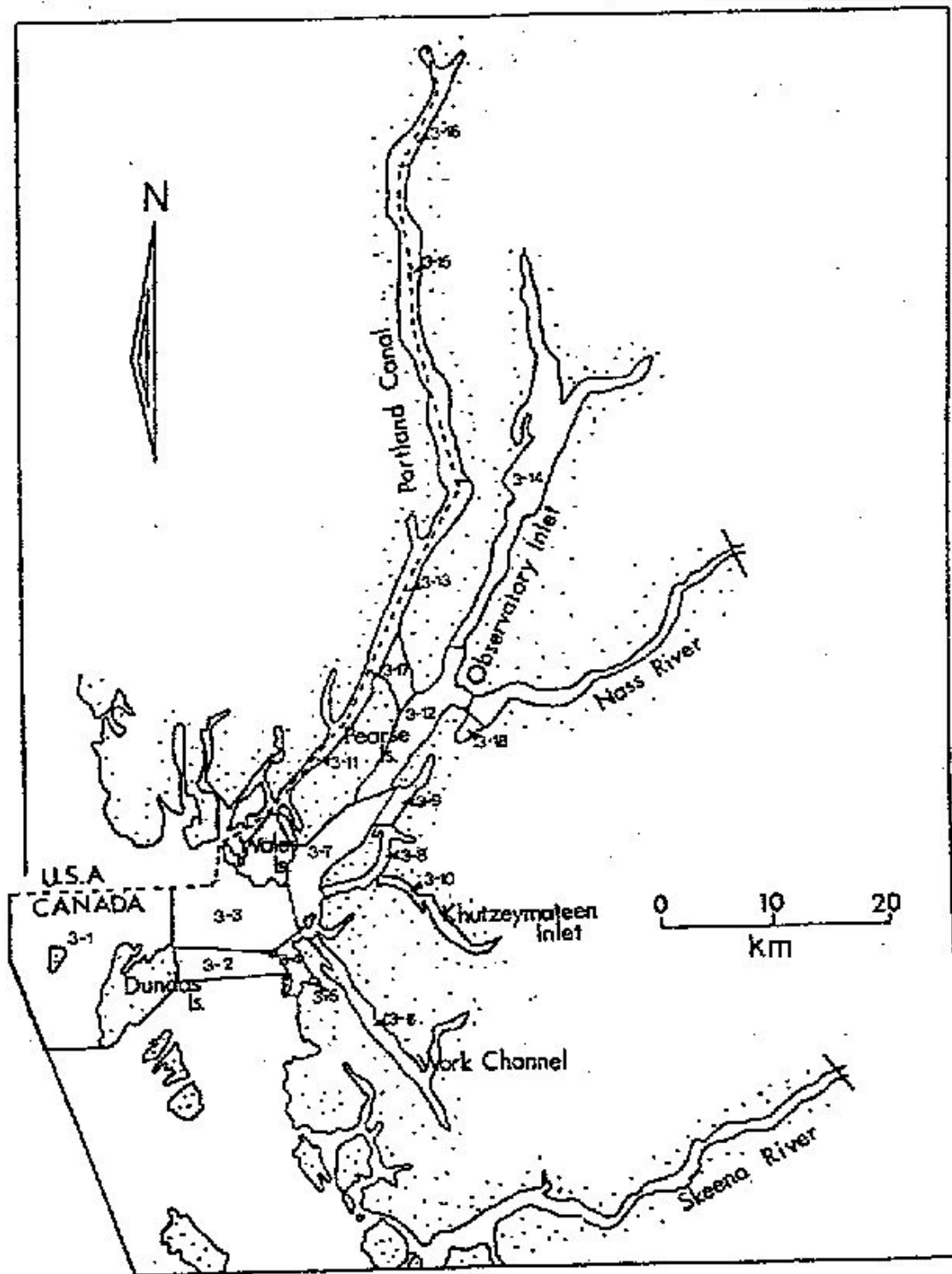


Figure 4. Canadian Department of Fisheries and Oceans Statistical Area 3 management sub-areas.