

PACIFIC SALMON COMMISSION  
JOINT INTERCEPTIONS COMMITTEE  
REPORT 89-1  
REPORT ON PROGRESS IN RESOLVING  
DIFFERENCES IN THE PARTIES' ESTIMATES  
OF SALMON INTERCEPTIONS

E R R A T A

JOINT INTERCEPTIONS COMMITTEE  
REPORT 89-1

January 25, 1990

The following changes have been made in the text, Tables and Appendices of JIC 89-1. Replacement pages are provided. Any changes found subsequent to January 25 will be incorporated in an Errata or in a revision to JIC 89-1.

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3.1.3 Pink Salmon

3.1.3.1 Major Changes

Last sentence changed from:

"The U.S. considers that no Taku pink stocks that spawn in the Canadian portions of the river are caught in District 110 or in Dry Bay, while Canada considers that these stocks are caught in these districts."

to

"The U.S. considers that no transboundary pink stocks that spawn in the Canadian portions of transboundary rivers are caught in District 110 or in Dry Bay, while Canada considers that these stocks are caught in these districts."

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3.2.3 Pink Salmon

3.2.3.1 Major Changes

Last sentence, last clause, changed from:

"while the U.S. has partitioned District 101 and 103 seine catches."

to

"while the U.S. has partitioned District 101, 106, 107, and 108 catches to delineate terminal hatchery-harvest areas."

3.2.3.3 Technical Reasons for Unresolved Differences

Old paragraph two is now paragraph one, a new paragraph two has been added and paragraph three has been deleted.

### 3.2.3.4 Additional Work and Time Frame for Resolution of Differences

Paragraph one, sentence one has been replaced and sentence two has been changed from:

"The Committee agreed that relative differences in the run size to each country should be taken into account if tagging data is to be applied to non-tagging years."

to

"Relative differences in the run size to each country should be taken into account if tagging data is to be applied to non-tagging years."

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### 3.2.4 Chum Salmon

#### 3.2.4.1 Major Changes

2nd to the last sentence, last clause, and last sentence changed from:

"while the U.S. has partitioned the District 101 and 102 seine catches. In addition the 102 seine catch is split based on stock timing."

to

"while the U.S. has partitioned District 101, 106, 107, and 108 catches to delineate terminal hatchery-harvest areas and the District 102 seine catch based on run timing."

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### Figure 4.3

The portion of the 1981 bar showing the difference for BC of AK has been reduced (see CHUM - AFTER below).

Pages 32, 33 and 38

Tables 4.1, 4.2a and 4.3a

For the SOCKEYE - AFTER columns, category A sockeye changed from:

|        |         |         |   |       |
|--------|---------|---------|---|-------|
| 1986 A | 436,735 | 435,448 |   | 1,287 |
| 1987 A | 156,860 | 157,388 | - | 528   |

to

|        |         |         |   |       |
|--------|---------|---------|---|-------|
| 1986 A | 568,753 | 567,032 |   | 1,721 |
| 1987 A | 237,934 | 238,779 | - | 845   |

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Table 4.3a

For the SOCKEYE - AFTER columns, category A sockeye changed from:

|        |         |         |  |       |
|--------|---------|---------|--|-------|
| 1988 A | 543,367 | 541,039 |  | 2,328 |
|--------|---------|---------|--|-------|

to

|        |         |         |  |       |
|--------|---------|---------|--|-------|
| 1988 A | 643,158 | 640,487 |  | 2,671 |
|--------|---------|---------|--|-------|

Pages 32, 35 and 40

Tables 4.1, 4.2c and 4.3c

For the CHUM - AFTER columns, category C chum changed from:

|        |        |        |   |        |
|--------|--------|--------|---|--------|
| 1981 C | 72,914 | 95,449 | - | 22,535 |
|--------|--------|--------|---|--------|

to

|        |        |        |   |       |
|--------|--------|--------|---|-------|
| 1981 C | 15,393 | 20,940 | - | 5,547 |
|--------|--------|--------|---|-------|

Pages 32, 36 and 41

Tables 4.1, 4.2d and 4.3d

For the COHO - AFTER columns, category A coho changed from:

|        |         |         |  |         |
|--------|---------|---------|--|---------|
| 1987 A | 324,829 | 139,536 |  | 185,293 |
|--------|---------|---------|--|---------|

to

|        |         |         |  |         |
|--------|---------|---------|--|---------|
| 1987 A | 316,505 | 139,536 |  | 176,969 |
|--------|---------|---------|--|---------|

## APPENDIX 2

### NORTHERN BOUNDARY TECHNICAL COMMITTEE (1980-1987 DATA)

#### INTERCEPTION ESTIMATES: NORTHERN BOUNDARY SOCKEYE

1986, 1987 and 1988 sockeye catches by gillnet for Alaska Area 101-out have been changed (associated interceptions have been adjusted on the enclosed Appendix pages) from:

|       |         |    |      |      |
|-------|---------|----|------|------|
| 86 AK | 101-OUT | GN | SOCK | 1033 |
| 87 AK | 101-OUT | GN | SOCK | 1785 |
| 88 AK | 101-OUT | GN | SOCK | 1802 |

to

|       |         |    |      |        |
|-------|---------|----|------|--------|
| 86 AK | 101-OUT | GN | SOCK | 145631 |
| 87 AK | 101-OUT | GN | SOCK | 107488 |
| 88 AK | 101-OUT | GN | SOCK | 116110 |

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY CHUM**

1981 chum catches by gillnet and seine in B.C. Area 3 have been changed (associated interceptions have been adjusted on the enclosed Appendix page) from:

|       |          |    |      |        |
|-------|----------|----|------|--------|
| 81 BC | 3-(1)    | GN | CHUM | 12297  |
| 81 BC | 3-(1)    | SE | CHUM | 4191   |
| 81 BC | 3-(2-4)  | GN | CHUM | 24258  |
| 81 BC | 3-(2-4)  | SE | CHUM | 45834  |
| 81 BC | 3-(7-17) | GN | CHUM | 167513 |
| 81 BC | 3-(7-17) | SE | CHUM | 47601  |

to

|       |          |    |      |       |
|-------|----------|----|------|-------|
| 81 BC | 3-(1)    | GN | CHUM | 6952  |
| 81 BC | 3-(1)    | SE | CHUM | 2977  |
| 81 BC | 3-(2-4)  | GN | CHUM | 1571  |
| 81 BC | 3-(2-4)  | SE | CHUM | 11521 |
| 81 BC | 3-(7-17) | GN | CHUM | 14412 |
| 81 BC | 3-(7-17) | SE | CHUM | 6476  |

**APPENDIX 4****COHO TECHNICAL COMMITTEE (1980-1987 DATA)****INTERCEPTION ESTIMATES: COHO**

Estimated Alaska hatchery catches for Alaska Area 113 seine and Area 113 troll in 1987 should be switched (associated interceptions have been adjusted on the enclosed Appendix page) from:

|       |     |    |      |       |     |       |
|-------|-----|----|------|-------|-----|-------|
| 87 AK | 113 | TR | COHO | ..... | b,c | 519   |
| 87 AK | 113 | SE | COHO | ..... | b,c | 23641 |

to

|       |     |    |      |       |     |       |
|-------|-----|----|------|-------|-----|-------|
| 87 AK | 113 | TR | COHO | ..... | b,c | 23641 |
| 87 AK | 113 | SE | COHO | ..... | b,c | 519   |

PACIFIC SALMON COMMISSION  
JOINT INTERCEPTIONS COMMITTEE

REPORT JIC 89-1

**REPORT ON PROGRESS IN RESOLVING DIFFERENCES  
IN THE PARTIES' ESTIMATES OF SALMON INTERCEPTIONS**

Prepared for  
The Research and Statistics Committee  
of  
The Pacific Salmon Commission

December 22, 1989



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**CATCH ESTIMATES: TRANSBOUNDARY CHINOOK**

**APPENDIX 2. NORTHERN BOUNDARY TECHNICAL COMMITTEE (1980-1988 DATA)**

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY SOCKEYE**

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY PINK**

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY CHUM**

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## EXECUTIVE SUMMARY

In February 1989 the Pacific Salmon Commission (PSC) instructed the Joint Interceptions Committee (JIC) to work through PSC technical committees in an attempt to resolve differences in 1980-1987 interception estimates, exchanged by the Parties in January 1989. Unresolved differences and technical reasons for these differences were to be documented and reported to the Research and Statistics Committee by December 1989. This report addresses this charge and summarizes the technical committees' recommendations for resolving outstanding differences.

JIC has prepared the following information from responses received from the joint technical committees:

1. Summaries of results of technical committee deliberations in four areas: (a) major changes to the Parties' interception estimates; (b) remaining differences in interception estimates and technical reasons for these differences; (c) work remaining to be done within the committees to attempt to resolve differences and anticipated time frames for completion; and (d) research recommendations to resolve or reduce differences in the future,
2. Tables summarizing the Parties' interception estimates and the differences between the Parties' estimates, by species and interception category, before and after work by the technical committees,
3. Figures depicting the magnitude of remaining differences in interception estimates and the degree to which technical committees were able to narrow these differences,
4. Appendix tables detailing the Parties' annual estimates of interceptions by species, fishing area and gear.

Success in reducing or narrowing differences in the Parties' interception estimates varied considerably amongst the committees. In the case of the Chinook Technical Committee, other priorities delayed completion of its work on interceptions.

### DIFFERENCES THAT HAVE BEEN RESOLVED

SOCKEYE: - B.C. catch of transboundary sockeye; B.C. interceptions of Washington sockeye; Washington interceptions of B.C. sockeye.

PINK: - B.C. catch of transboundary pinks; B.C. interceptions of Washington pinks; Washington interceptions of B.C. pinks.

CHUM: - B.C. catch of transboundary chum; B.C. interceptions of Washington chum; Washington interceptions of B.C. chum.

COHO: - B.C. catch of transboundary coho.

CHINOOK: - B.C. catch of transboundary chinook. Agreement has been reached within the Analytical Work Group of the Chinook Technical Committee to utilize stock composition estimates derived from the rebuilding model as the basis for estimating interceptions. As a result, differences in interception estimates for other categories, with the possible exception of Alaskan catch of chinook from Canadian sections of transboundary rivers, will be resolved in the near future.

### DIFFERENCES THAT HAVE SUBSTANTIALLY DECREASED

SOCKEYE: - B.C. interceptions of Alaska sockeye.

PINK: - Alaskan catch of pinks from Canadian sections of transboundary rivers.

CHUM: - Alaskan interceptions of B.C. chum.

COHO: Alaskan catch of coho from Canadian sections of transboundary rivers.

### **DIFFERENCES THAT HAVE SUBSTANTIALLY INCREASED**

SOCKEYE: - None.

PINK: - None.

CHUM: - B.C. interceptions of Alaskan chum.

COHO: - B.C. interceptions of Washington coho.

### **SUBSTANTIAL REMAINING DIFFERENCES**

SOCKEYE: - Alaskan interceptions of B.C. sockeye; Alaskan catch of sockeye from Canadian sections of transboundary rivers.

PINK: - B.C. interceptions of Alaskan pinks; Alaskan interceptions of B.C. pinks; Alaskan catch of pinks from Canadian sections of transboundary rivers.

CHUM: - Alaskan catch of chum from Canadian sections of transboundary rivers; B.C. interceptions of Alaskan chum.

COHO: - B.C. interceptions of Washington coho; Alaskan interceptions of B.C. coho; Washington interceptions of B.C. coho.

### **REASONS FOR REMAINING DIFFERENCES**

With the exception of chinook, the Parties have developed a common catch database. Consequently, remaining differences in interception estimates generally reflect differences in methodologies and circumstances where hard data are scarce. Detailed discussion of reasons for remaining differences is included in this document in summaries of reports by the technical committees.

### **ADDITIONAL WORK AND TIME FRAME FOR RESOLUTION OF DIFFERENCES**

Detailed presentations of additional work and time frames for completion are contained in the technical committee summaries.

TRANSBOUNDARY TECHNICAL COMMITTEE: Additional work on narrowing differences for sockeye, pink, chum and coho would not be fruitful without further research. The Transboundary Technical Committee has agreed to discuss Alaskan catches of chinook from Canadian sections of transboundary rivers with the Chinook Technical Committee before making any changes in the original estimates.

#### NORTHERN BOUNDARY TECHNICAL COMMITTEE:

Sockeye:

Further discussion with PSC staff and the Fraser Technical Committee is required to decide on methodology and accounting procedures for southward migrating sockeye. Refinement of Canadian GSI-based estimates is required.

**Pink:**

Within the next year the Committee will attempt to develop an agreed-upon methodology for accounting for annual variations in run size.

**Chum:**

Additional work on narrowing differences would not be fruitful without further research.

CHINOOK TECHNICAL COMMITTEE: Creation of a common data base for catches, calibration of the chinook rebuilding model, development of interception estimates and preparation of a statement qualifying the use of the rebuilding model for generating stock composition estimates remain to be done. This work will not be completed before late spring 1990.

COHO TECHNICAL COMMITTEE: Technical exploration of the feasibility of developing a methodology to generate mutually agreed-upon estimates of interceptions for the northern boundary area is necessary. Some additional work is required to address concerns regarding potential bias in techniques used to produce preliminary estimates of stock composition in Southern Panel area fisheries. Once these concerns are addressed and coded-wire-tag data become available, it is anticipated that joint interception estimates can be developed for at least 1984 through 1988. No time frame is indicated for Northern Boundary work. It is anticipated that further exploration of current stock composition estimation techniques for Southern Panel area fisheries will be complete by late spring 1990.

FRASER TECHNICAL COMMITTEE: Estimates of B.C. interceptions of Washington sockeye and pink and Washington interceptions of B.C. sockeye and pinks were provided by PSC staff and approved by the Fraser Technical Committee. Estimates of pink salmon interceptions are preliminary and subject to change. Run reconstruction and GSI techniques must be reviewed. It is anticipated that estimates of pink interceptions will be updated well before the 1990/91 meeting cycle.

CHUM TECHNICAL COMMITTEE: Although interim agreement has been reached on B.C. interceptions of Washington chum and Washington interceptions of B.C. chum, the Committee will continue to review three aspects of the methodology employed: (a) GSI baselines and use of loci for stock identification; (b) time/area stratification for application of GSI-based stock composition estimates; and (c) quantification of bias correction methods for stocks which comprise a small proportion of the catch. It is anticipated that interception estimates will be reviewed and updated sometime during 1990.

## RESEARCH NEEDS

Research recommendations for deliberation by the Research and Statistics Committee fell into four general areas. The most common need was to improve existing stock identification techniques and implement associated programs to collect the necessary data. Next came research to assist in interpretation of results of stock identification work and to assist in analysis of harvest distribution. Third came research to determine the magnitude of escapements and distribution of production for spawning populations. This was identified as a particular need for transboundary stocks. Finally, the Coho Technical Committee identified the need to develop analytical tools for bilateral estimation of stock composition. The research proposed by the committees will be of limited value in resolving interception differences for past years.

# REPORT ON PROGRESS IN RESOLVING DIFFERENCES IN THE PARTIES' ESTIMATES OF SALMON INTERCEPTIONS

## 1.0 INTRODUCTION

The Joint Interceptions Committee (JIC) was established by the Pacific Salmon Commission (PSC) in February 1989 to review estimates of salmon interceptions by fisheries of Canada and the United States. Its first tasks involved preliminary analysis of interception estimates exchanged by the Parties in January 1989, and preparation of requests to secure assistance of the PSC technical committees in resolving differences in the Parties' interception estimates for 1980 to 1987 and in developing estimates for 1988. In this report the JIC summarizes results of technical committee assessments and their recommendations for further research. The Research and Statistics Committee is to review this report and develop recommendations to the Commission on resolving outstanding differences in interception estimates.

The report provides the following summary information drawing from responses received from the technical committees.<sup>1</sup>

- a) major changes to the Parties' interception estimates as a result of work by the technical committees,
- b) remaining differences in the Parties' estimates and technical reasons for these differences,
- c) remaining work arising from the JIC request and time frame for its completion,
- d) research recommendations to resolve outstanding differences in interception estimates and in methodologies used to derive the estimates.

In addition, the JIC has prepared, 1) a set of summary tables of interception estimates and differences in the Parties' interception estimates, with the differences ranked in numerical order, 2) graphs illustrating the degree to which the technical committees have been able to resolve the outstanding differences, 3) a table summarizing the types of research requested by the technical committees, and 4) tables of interceptions by category (Appended) for each technical committee and more detailed explanations of these data that were provided by some of the committees.

## 2.0 INTERCEPTION CATEGORIES

The Parties have agreed to the following interception categories:

- A Alaskan interceptions of B.C. salmon,
- B1 Alaskan catches of transboundary salmon,
- B2 B.C. catches of transboundary salmon,
- C B.C. interceptions of Alaskan salmon,
- D B.C. interceptions of Washington/Oregon/Idaho/California salmon,
- E Washington/Oregon interceptions of B.C. salmon.

These codes are used in the text and appendix tables.

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1. The Chinook Technical Committee, due to the press of other assignments, has not yet completed the request from the JIC. Outstanding work includes development of a common catch database, calibration of the chinook rebuilding model, and preparation of a statement qualifying the use of stock composition estimates from the rebuilding model.

### **3.0 TECHNICAL COMMITTEE RESPONSES**

Summaries of the technical committee responses to JIC are presented below. Readers are referred to the first reports on 1980-87 interceptions, submitted by the Parties' to PSC in May 1989, or to the memo-report "Joint Interception Committee Requests to Joint Technical Committees for Assistance in Resolving Differences in the Parties' Estimates of Salmon Interceptions, June 21, 1989" for descriptions of original interception estimates and methods of calculation.

#### **3.1 TRANSBOUNDARY TECHNICAL COMMITTEE**

##### **3.1.1 Introduction**

At the Transboundary Technical Committee meeting in Juneau, October 31 to November 3, 1989, the Committee discussed and both Parties made subsequent adjustments to their estimates of catches of transboundary sockeye, pink, coho, and chum salmon arising from spawners from Canadian sections of transboundary rivers. U.S. catches of transboundary chinook salmon from Canadian sections of transboundary rivers were also discussed but it was decided to defer any actual adjustments in these catches until the Committee could discuss estimation techniques with the Chinook Technical Committee.

Canadian catches of salmon in the transboundary rivers occur in the inriver fisheries and there is no disagreement on these catches. Different approaches for estimating catches in U.S. fisheries of transboundary salmon arising from Canadian spawning areas still exist, although in many instances reconciliations were made and differences in estimates were narrowed (see individual species below). When stock composition estimates are available for a U.S. mixed stock fishery, the total catch and the proportion of fish that arise from spawners in Canada are used to estimate the U.S. catches. In other instances, border escapements and estimated U.S. exploitation rates are used to calculate U.S. catches of these transboundary salmon.

U.S. hatchery production remains undocumented. In many cases it is not of concern as the strata exclude pure hatchery catches and stock identification programs for mixed stock fisheries can usually identify hatchery fish from wild transboundary fish. It is agreed that if U.S. hatchery contributions to a particular fishery can be documented, e.g. through tag recoveries, then these numbers could be subtracted from the catch before applying the proportion representing the U.S. catch of salmon that were spawned in Canada, if the proportion does not already take into account the presence of hatchery fish. When stock composition estimates are based on scale pattern analysis or electrophoretic analysis, an apriori adjustment for hatchery fish is not needed.

Catch statistics have been checked, with CDFO being responsible for Canadian catches and ADF&G, for U.S. catches. It was agreed to use the catches published in the Transboundary Technical Committee's 1989 Preliminary Annual Report (TTC-1989), whenever possible. Several new catch strata were added to the worksheets. Catch strata are not unique. In some cases, e.g. chum salmon, only the late or early part of a U.S. fishery was considered to intercept the stock in question, so only that portion of the catch is given. Often Canada and the U.S. disagreed on which week to start or end the strata and in those cases overlapping strata are used.

##### **3.1.2 Sockeye**

###### **3.1.2.1 Major Changes**

Catch strata were standardized between the Parties. For Canadian strata, separate entries were made for commercial, Indian food, and sport catches. Canadian catch statistics were used and since the entire catch is inriver, estimates by both Parties are identical. For U.S. strata, only Districts 106 & 108 for Stikine stocks, District 111 for the Taku stocks, and District 182 for Alek stocks were itemized. Both Parties agree on stock composition proportions for these Districts and their estimates differ only by the percentage of the river stocks that spawn on the Canadian side of the border for the Taku and Alek Rivers. For District 106 & 108, the catch of Stikine stocks that spawn in the Canadian portion is taken directly from TTC-1989 and is based on catches and stock composition estimates for the Districts.

The catch in all other Alaskan fisheries of Stikine, Taku, and Alsek stocks that spawn in the Canadian portion of the river are lumped into "other" categories for each river. U.S. catches of stocks that spawn on the Canadian side of the border of other transboundary rivers, e.g. Chilkat, Unuk, Whiting, and Chicamin Rivers, are lumped into an "other rivers" category. Estimates of catches from these two categories differ between the Parties (see below).

### 3.1.2.2 Remaining Differences

Differences in catch estimates by the two Parties narrowed from the original January 1989 estimates for all years except 1985 when the differences increased slightly. Remaining differences are on the order of ten to twenty percent of the catch levels.

The average annual catch by U.S. fisheries of transboundary sockeye stocks that spawned in Canadian portions of the rivers during 1980 to 1988 is estimated at 91.7 thousand fish by the U.S. and 112.4 thousand fish by Canada. The magnitude of differences between the U.S. and Canadian estimates of total U.S. catches of sockeye that spawn in Canada varies only slightly, depending on the year, (i.e. from 16.8 to 24.4 thousand fish). The U.S. and Canadian estimates of U.S. catches of Canadian Stikine, Taku, and Alsek sockeye stocks that spawn in Canadian portions of the rivers are generally in close agreement, differing mainly with respect to the magnitude of the catches in outside areas (U.S. Districts 101, 104, 110, 112, 114, and 116, and the Yakutat area). Most of the disagreement between the U.S. and Canada concerns the estimated U.S. catch of Unuk, Whiting, and Chilkat sockeye stocks that spawn in the Canadian portions of these rivers (included in the "other rivers" category). In fact, in each year, the difference in estimated U.S. catches for these stocks accounts for between 39 and 56% of the difference between the U.S. and Canadian estimates each year.

For Stikine stocks that spawn in the Canadian portions of the river, U.S. and Canadian estimates of the U.S. catch differ only with respect to that portion taken in "outside areas". The U.S. estimate of the catch of these stocks in outside areas is 10% of the estimated catch in Districts 106 and 108 combined. The Canadian estimates assume that 5% of the total Stikine run is taken by the U.S. in outside areas; this is calculated by dividing five percent of the terminal run (U.S. Districts 106 and 108 catches of these Stikine sockeye stocks plus the border escapement) by 0.95.

For Taku stocks, estimation procedures are identical to those for the Stikine, except that both countries agree that some portion of the total Taku run spawns on the U.S. side of the border. The U.S. estimates this portion to be 5% and Canada, 2%. Hence, the agreed proportion of the catch in District 111 that is composed of Taku stocks arising from Canadian spawners is adjusted differently by each country to calculate the U.S. catch of Taku sockeye that spawn on the Canadian side of the border. The U.S. estimate is 0.95 times and the Canadian estimate is 0.98 times the catch of Taku sockeye in District 111. The proportion of Taku sockeye stocks in the District 111 catch is determined from scale pattern analysis and is agreed upon jointly. As for the Stikine River stocks, the U.S. estimate of the U.S. catches of these stocks in the "outside area" is estimated as 10% of the corresponding district catch of these stocks (in this case District 111). The Canadian estimate again assumes that 5% of the total run is taken in U.S. fisheries outside the terminal area (District 111). The proportion of Taku sockeye salmon in the District 111 catch in 1980 to 1982 is assumed to be the same as the average for subsequent years (1983-1988).

For Alsek stocks, the U.S. and Canada estimate that 81% and 90%, respectively, of the U.S. Dry Bay catch consists of Alsek stocks that spawn in the Canadian portion of the river. The U.S. estimates that a quantity equivalent to 10% of these Alsek stocks (Dry Bay total catch times 0.081) is caught in outside areas. The total run of Alsek sockeye that spawn in the Canadian portion of the river is estimated to be equal to the catch of these stocks in "outside areas" plus the catch of these stocks in the Dry Bay fishery (0.9 times the Dry Bay total catch plus the Klukshu weir count divided by 0.60).

TABLE 3.1 U.S. CATCHES OF SOCKEYE SALMON STOCKS THAT SPAWN IN THE CANADIAN PORTIONS OF TRANSBOUNDARY RIVERS. U.S. AND CANADIAN ESTIMATES ARE GIVEN PLUS THE DIFFERENCE IN THE ESTIMATES BY THE TWO PARTIES (CANADA MINUS U.S.) BY RIVER SYSTEM.

| YEAR | -- TOTAL CATCH -- |          | -----DIFFERENCES BY SYSTEM----- |         |       |       |       |
|------|-------------------|----------|---------------------------------|---------|-------|-------|-------|
|      | US est.           | CAN est. | TOTAL                           | STIKINE | TAKU  | ALSEK | OTHER |
| 1980 | 146,777           | 167,626  | 20,849                          | 2,203   | 6,673 | 2,473 | 9,500 |
| 1981 | 91,499            | 113,428  | 21,930                          | 5,985   | 3,324 | 3,121 | 9,500 |
| 1982 | 138,981           | 159,766  | 20,785                          | 1,550   | 5,235 | 4,500 | 9,500 |
| 1983 | 48,368            | 70,819   | 22,450                          | 3,191   | 6,916 | 2,843 | 9,500 |
| 1984 | 83,051            | 104,122  | 21,071                          | 3,411   | 6,236 | 1,924 | 9,500 |
| 1985 | 115,745           | 140,121  | 24,377                          | 7,681   | 5,227 | 1,968 | 9,500 |
| 1986 | 93,326            | 114,158  | 20,832                          | 3,041   | 4,714 | 3,577 | 9,500 |
| 1987 | 71,040            | 87,838   | 16,798                          | 1,874   | 3,866 | 1,557 | 9,500 |
| 1988 | 36,741            | 53,702   | 16,961                          | 2,055   | 4,232 | 1,174 | 9,500 |
| AVG  | 91,725            | 112,398  | 20,672                          | 3,443   | 5,158 | 2,571 | 9,500 |

### 3.1.2.3 Technical Reasons For Unresolved Differences

Those estimates with the greatest discrepancy are based on very little hard data and are derived from managers' best guesses. In order to narrow the differences in these estimates, additional research is necessary.

### 3.1.2.4 Additional Work and Time Frame for Resolution of Differences

Unless additional research is conducted, the estimates and estimation techniques are complete as presented.

### 3.1.2.5 Research Recommendations

- a. There are two general areas of uncertainty with respect to estimating catches of transboundary sockeye salmon. The one that accounts for the greatest difference in the estimates by the two Parties is the current sockeye production in the Canadian portions of the Unuk, Whiting, Chilkat, and Chicamin Rivers. The second, which contributes a much smaller portion of the differences in estimates between the two Parties, is the level of exploitation on transboundary sockeye salmon stocks from Canadian spawning areas in Alaskan fisheries "outside" the four main interception areas (Districts 106, 108, 111, and 182). Although the differences in estimates of U.S. catches of sockeye stocks that spawn in Canada in these "outside areas" is generally small, the accuracy of these estimates are not known and they are not based on hard data.
- b. With regards to the production level of the "other" river systems, only the Unuk River has been surveyed in recent years by Canada Department of Fisheries and Oceans to confirm the presence of sockeye salmon. There is anecdotal information of sockeye salmon presence in the Whiting River and no information on the distribution of this species in the Unuk, Chilkat and Chicamin Rivers. The first priority for resolving these differences in estimates U.S. catches of stocks that spawn in Canadian portions of these rivers would be to conduct spawning ground surveys to determine the abundance of sockeye salmon in the Canadian section of each system. Aerial or foot surveys, test fishing, or weir counts could be used depending on the conditions and topography of the individual systems. Exploitation rates on these stocks in Alaskan fisheries would still be unknown and would have to be assumed (based on known exploitation rates on other stocks in other fisheries) or estimated using tagging studies, or other stock identification techniques.
- c. With regards to catches of Stikine, Taku, and Alek stocks in "outside" Alaskan fishery areas, stock separation techniques may be possible through the use of scale pattern analysis, electrophoretic analysis, or other methods such as coded-wire tagging. The problem with scale pattern and electrophoretic analyses in these highly mixed stock fisheries is that one must know which stocks are present in the fisheries and have electrophoretic and scale standards for stocks in the fishery. The presence of otolith thermal marks on enhanced fish from the Stikine and Taku Rivers may prove the easiest, readily available method to determine the distribution of these stocks in "outside" fisheries.

## 3.1.3 Pink Salmon

### 3.1.3.1 Major Changes

Catch strata in U.S. fisheries were modified from the transboundary worksheets exchanged in May 1989. To estimate the total U.S. catch of Taku pink salmon stocks spawning in the Canadian portions of the river, only the early catches within selected areas were used; through week 30 in District 111; and through week 29 for Districts 110, 112, and 114. For District 112, the U.S. used only the early catches from sub-district 16, while Canada used early catches from the entire district. For District 114, the U.S. used only the early catches from sub-district 27, while Canada used early

catches from the entire district. The U.S. considers that no transboundary pink stocks that spawn in the Canadian portions of the rivers are caught in District 110 or in Dry Bay, while Canada considers that these stocks are caught in these districts.

### 3.1.3.2 Remaining Differences

The greatest differences in U.S. catches of pink salmon stocks that spawn in Canadian portions of transboundary rivers occurred for the Taku system (Table 3.2). In general, Canadian estimates of U.S. catches of transboundary pink stocks spawning in Canadian portions of rivers were higher than those of the U.S. Large discrepancies exist for 1981, 1985, and 1987 due primarily to large differences in estimates of catches of stocks from Canadian portions of the river in U.S. purse seine districts. There were extremely large catches in these years and Canada considered the entire District 112 and 114 catches (during the specified time span), while the U.S. used only the catches from particular subdistricts where the U.S. considers Taku fish are likely to be taken. As for sockeye salmon, a consistent and relatively large discrepancy also exists in the estimated catches from "other" systems. For example, pink salmon are known to spawn in the Canadian portions of the Unuk River, but abundance is not known.

TABLE 3.2 U.S. CATCHES OF PINK SALMON STOCKS THAT SPAWN IN THE CANADIAN PORTIONS OF TRANSBOUNDARY RIVERS. U.S. AND CANADIAN ESTIMATES ARE GIVEN PLUS THE DIFFERENCE IN THE ESTIMATES BY THE TWO PARTIES (CANADA MINUS U.S.) BY RIVER SYSTEM.

| YEAR | --TOTAL CATCH-- |          | -----DIFFERENCES BY SYSTEM----- |         |         |       |       |
|------|-----------------|----------|---------------------------------|---------|---------|-------|-------|
|      | US est.         | CAN est. | TOTAL                           | STIKINE | TAKU    | ALSEK | OTHER |
| 1980 | 56,815          | 83,700   | 26,886                          | 1558    | 15417   | 11    | 9900  |
| 1981 | 118,362         | 301,337  | 182,974                         | 15820   | 157222  | 33    | 9900  |
| 1982 | 15,857          | 81,256   | 65,399                          | 5212    | 50284   | 3     | 9900  |
| 1983 | 12,828          | 60,823   | 47,995                          | 2886    | 35199   | 10    | 9900  |
| 1984 | 32,982          | 111,811  | 78,829                          | 5682    | 63235   | 12    | 9900  |
| 1985 | 103,202         | 498,574  | 395,372                         | 15624   | 369846  | 2     | 9900  |
| 1986 | 3,266           | 28,115   | 24,849                          | 323     | 14620   | 7     | 9900  |
| 1987 | 123,374         | 422,380  | 299,006                         | 2850    | 286256  | 0     | 9900  |
| 1988 | 12,334          | 83,082   | 70,749                          | 903     | 59943   | 4     | 9900  |
| AVG  | 53,224          | 185,675  | 132,451                         | 5,651   | 116,891 | 9     | 9,900 |

### 3.1.3.3 Technical Reasons For Unresolved Differences

Those estimates with the greatest discrepancies are based on very little hard data and are derived from managers' best guesses. In order to narrow the differences in these estimates, additional research is necessary.

### 3.1.3.4 Additional Work and Time Frame for Resolution of Differences

Unless additional research is conducted, the estimates and estimation techniques are complete as presented.

### 3.1.3.5 Research Recommendations

- a. Little is known of pink spawning populations in the Alsek, Stikine, Unuk, Chilkat or Chicamin Rivers. More is known in the Taku River due to the test fishery program at Canyon Island, tagging estimates of spawning populations in the Nakina River and weir counts of pinks associated with the Nakina chinook carcass weir. There is very little information available on the distribution of transboundary pink salmon stocks in U.S. fisheries or on the proportions of fish spawning on the Canadian versus U.S. side of the border in each system. This lack of information has resulted in large differences in the estimates by the Parties. The estimates of U.S. catches of Taku pink stocks that spawn in Canadian portions of the river are the main source of disagreement. Tagging studies are needed to determine stock contributions to the various fisheries, especially in northern Chatham and eastern Icy Straits. Surveys to document production of pink salmon in the "other rivers" are needed. Stock identification methods for pink salmon are still under development; genetic tissue samples have been taken to see if stock identification using electrophoretic analysis is possible. Narrowing differences in catch estimates of Taku stocks that were spawned in Canada should be the first priority for future research and, the second priority, examination of spawning distributions and abundance in the "other" rivers.

## 3.1.4 Chum Salmon

### 3.1.4.1 Major Changes

Estimates of U.S. catches of Stikine chum stocks that spawn in Canadian portions of the river were based on Canadian in-river chum catches, assumed harvest rates in terminal fisheries, and ratios of estimated marine and in-river Stikine sockeye harvests. U.S. catches of Alsek chum stocks that spawn in Canadian portions of the river were assumed to occur only in the Dry Bay fishery. For U.S. catches of Canadian origin Taku chum stocks, catches from Districts 110, 111, 112, and 114 were used. Since few summer run chum salmon spawn in the Canadian portion of the Taku River, only the later portion of the catches in these Districts were used, from week 31, 32, or 33 on, depending on the district and the Party making the estimate. Canada generally used catches beginning one week earlier than the U.S. In addition, for District 112, the U.S. used only the later catches from sub-district 16, and for District 114, only the later catches from sub-district 27, while Canada used the entire late catch for both Districts.

### 3.1.4.2 Remaining Differences

The average annual difference in U.S. and Canadian estimates of U.S. catch of chum stocks that spawn in Canadian portions of transboundary rivers is 48.0 thousand fish (Table 3.3). Most of the annual differences are from catch estimates of Taku stocks in Districts 110, 112, and 114. The U.S. considers the catch in District 110 of transboundary stocks that spawn in Canada to be zero. Very little difference exists between U.S. and Canadian estimates of U.S. catches of Stikine River chum salmon arising from spawners in Canada (differences from 0.6 to 3.7 thousand fish), and the two Parties estimates of U.S. catches of Alsek chum stocks arising from spawners in Canada are identical. Differences in the estimates U.S. catches of Unuk, Whiting and Chilkat chum stocks that spawn in the Canadian portions of the rivers (included in the "other rivers" category) were substantial, representing 13 to 35 % of the differences in the annual totals.

TABLE 3.3 U.S. CATCHES OF CHUM SALMON STOCKS THAT SPAWN IN THE CANADIAN PORTIONS OF TRANSBOUNDARY RIVERS. U.S. AND CANADIAN ESTIMATES ARE GIVEN PLUS THE DIFFERENCE IN THE ESTIMATES BY THE TWO PARTIES (CANADA MINUS U.S.) BY RIVER SYSTEM.

| YEAR | TOTAL CATCH |          | DIFFERENCES BY SYSTEMS |         |        |       |       |
|------|-------------|----------|------------------------|---------|--------|-------|-------|
|      | US est.     | CAN est. | TOTAL                  | STIKINE | TAKU   | ALSEK | OTHER |
| 1980 | 144,833     | 220,901  | 76,067                 | 925     | 65,642 | 0     | 9,500 |
| 1981 | 47,746      | 83,279   | 35,532                 | 3,709   | 22,323 | 0     | 9,500 |
| 1982 | 21,055      | 48,296   | 27,241                 | 617     | 17,124 | 0     | 9,500 |
| 1983 | 9,981       | 44,258   | 34,277                 | 675     | 24,101 | 0     | 9,500 |
| 1984 | 39,885      | 103,239  | 63,354                 | 2,202   | 51,652 | 0     | 9,500 |
| 1985 | 45,871      | 97,993   | 52,122                 | 2,958   | 39,664 | 0     | 9,500 |
| 1986 | 28,515      | 83,442   | 54,928                 | 894     | 44,534 | 0     | 9,500 |
| 1987 | 46,955      | 105,202  | 58,247                 | 1,723   | 47,024 | 0     | 9,500 |
| 1988 | 44,031      | 74,258   | 30,227                 | 1,445   | 19,282 | 0     | 9,500 |
| AVG  | 47,653      | 95,652   | 47,999                 | 1,683   | 36,816 | 0     | 9,500 |

### 3.1.4.3 Technical Reasons For Unresolved Differences

There is very little hard data regarding the abundance of chum stocks that spawn in the Canadian portions of transboundary rivers or on their distribution in Alaskan mixed stock fisheries. Most of the estimates of U.S. catch of these stocks are based on Henry and Aro (1981)<sup>1</sup> or are managers' best guesses. In order to narrow the differences in these estimates, additional research is necessary.

### 3.1.4.4 Additional Work and Time Frame for Resolution of Differences

Unless additional research is conducted, the estimates and estimation techniques are complete as presented.

### 3.1.4.5 Research Recommendations

- a. Little is known of chum spawning populations in the Alsek, Stikine, Unuk, Chilkat or Chicamin Rivers. A little more is known in the Taku River due to the test fishery program at Canyon Island. There is very little information available on the distribution of transboundary chum salmon stocks in Alaskan fisheries or on the proportion of chum stocks spawning on the Canadian versus the U.S. sides of the border. This lack of information has resulted in large differences in the Parties' estimates. Taku chum represent the biggest source of total differences. Tagging studies are needed to determine stock contributions to the various fisheries. Surveys to document production of chum salmon in the "other rivers" are needed; chum salmon are known to spawn in the Canadian portion of the Unuk River but abundance is not known. Stock identification methods for chum salmon are still under development; genetic tissue samples have been taken to see if stock identification using electrophoretic analysis is possible. Narrowing differences in catch estimates of Taku stocks that were spawned in Canada should be the first priority for future research and, the second priority, examination of spawning distributions and abundance in the "other" rivers.

## 3.1.5 Coho Salmon

### 3.1.5.1 Major Changes

U.S. catches of Alsek stocks that spawn in Canadian portions of the river were based, by both Parties, on U.S. catches in the Dry Bay fishery. Estimates of U.S. catches of Taku stocks that spawn in Canadian portions of the river were based on U.S. catches in District 111, and on border escapement by Canada. U.S. catches of Stikine stocks that spawn in Canadian portions of the river were based on border escapements by both Parties. U.S. catches of coho stocks that spawn on the Canadian side of the border in the "other rivers" were based on managers' guesses on both sides.

### 3.1.5.2 Remaining Differences

The variability in the differences in estimates of U.S. catch of coho stocks spawning in Canadian sections for each river system is large, while the variability in total estimates over all systems is much less (Table 3.4). Very little hard data are available and many assumptions were made by both Parties. For Stikine stocks, the U.S. uses a constant, annual catch estimate for these stocks in U.S. fisheries, while Canadian estimates vary each year. Canada used escapement estimates

1. Henry, K.A. and K.V. Aro (1981). Tenth report of the Technical Committee on Salmon Interceptions, Final Estimates of Salmon Interceptions and Ex-Vessel Values - 1978. U.S. - Canada Consultations on Salmon Problems of Mutual Concern.

for the Stikine River that were based on assumed harvest rates in lower river fisheries for 1980 to 1984. Escapement estimates for 1985 to 1988 were based on the assumption of equal catchability of coho in the Canadian test fishery compared with sockeye for which run size estimates were available. The U.S. assumed a constant border escapement of 35,625 and an exploitation rate of 52.3% on these coho stocks by Alaskan fisheries (equal to the average of three coded-wire tag estimates; two for Crystal Lake Hatchery stock and one for the Salmon Bay Lake stock). Canada used a similar exploitation rate estimate of 53% for these stocks in Alaskan fisheries. During 1980 to 1988, Canadian estimates of U.S. catches of coho stocks that spawn in Canadian portions of the Stikine River were lower than U.S. estimates by an average of 2,222 fish. Overall, the approach used by both parties was similar and differences in the estimates were due primarily to differences in escapement estimates.

The approach used for estimating U.S. catch of coho stocks that spawn in Canadian portions of the Taku River differed substantially, which was reflected in an average difference in the estimate of 36,740 fish. To the border escapement, Canada used an assumed harvest rate for the Canadian fishery for 1980 to 1983, mark-recapture estimates expanded by test fishery data for 1985 to 1988, and an average ratio of District 111 catch to estimated border escapement for 1984. Canada then used an assumed 70% exploitation rate to estimate U.S. catches of coho stocks that spawn on the Canadian side of the border. U.S. estimates were based on the assumption that 91% of the coho salmon in the District 111 drift gill net fishery were Taku River stocks and that 75% of Taku River fish in the catch were from stocks that spawn on the Canadian side of the border. The District 111 gill net catch of these border coho from Canada was then expanded using available coded-wire tag harvest distribution data to estimate catch by other Alaskan fisheries.

The approach used for estimating the U.S. catch of coho stocks that spawn in Canadian portions of the Alsek River system was the same for both parties. Both Parties assumed that the Dry Bay gill net catch represented 40% of the total U.S. harvest of Alsek coho stocks that spawn on the Canadian side of the border. The average difference in estimates of 4,340 fish was accounted for entirely by different assumed proportions of stocks on either side of the border. Canada assumed that 80% of the Dry Bay catch was from stocks that spawn on the Canadian side of the border, while the U.S. assumed 50%.

Estimates of U.S. catch of coho stocks spawning in Canadian portions of "other rivers" differed by 7,700 coho annually. U.S. estimates of 100 fish for each of the three "other" systems recognized the probable presence of coho salmon, but were made under the assumption that total production was negligible. The large relative difference in U.S. and Canadian estimates for these systems reflects an almost total absence of information on coho salmon production. Coho salmon are known to spawn in the Canadian portion of the Unuk River, but abundance is not known.

TABLE 3.4 U.S. CATCHES OF COHO SALMON STOCKS THAT SPAWN IN THE CANADIAN PORTIONS OF TRANSBOUNDARY RIVERS. U.S. AND CANADIAN ESTIMATES ARE GIVEN PLUS THE DIFFERENCE IN THE ESTIMATES BY THE TWO PARTIES (CANADA MINUS U.S.) BY RIVER SYSTEM.

| YEAR | -- TOTAL CATCH -- |          | -----DIFFERENCES BY SYSTEMS----- |         |        |       |       |
|------|-------------------|----------|----------------------------------|---------|--------|-------|-------|
|      | US est.           | CAN est. | TOTAL                            | STIKINE | TAKU   | ALSEK | OTHER |
| 1980 | 125,848           | 156,783  | 30,935                           | -5,576  | 22,914 | 5,897 | 7,700 |
| 1981 | 101,452           | 104,411  | 2,959                            | -18,890 | 6,578  | 7,572 | 7,700 |
| 1982 | 101,193           | 185,770  | 84,577                           | 40,908  | 31,068 | 4,901 | 7,700 |
| 1983 | 85,493            | 179,939  | 94,446                           | 8,077   | 90,884 | 3,940 | 7,700 |
| 1984 | 111,664           | 142,202  | 30,538                           | -3,864  | 20,801 | 5,901 | 7,700 |
| 1985 | 149,071           | 193,749  | 44,678                           | 35,011  | -2,249 | 4,217 | 7,700 |
| 1986 | 97,366            | 148,406  | 51,040                           | -6,749  | 49,080 | 1,008 | 7,700 |
| 1987 | 107,446           | 173,432  | 65,986                           | -23,213 | 79,611 | 1,888 | 7,700 |
| 1988 | 114,114           | 127,976  | 13,861                           | -29,547 | 31,969 | 3,740 | 7,700 |
| AVG  | 110,405           | 156,963  | 46,558                           | -2,222  | 36,740 | 4,340 | 7,700 |

### 3.1.5.3 Technical Reasons For Unresolved Differences

There is very little hard data regarding the abundance of coho stocks that spawn in Canadian portions of the transboundary rivers or on their distribution in Alaskan mixed stock fisheries. Consequently estimates are derived from managers' best guesses. In order to narrow the differences in these estimates, additional research is necessary.

### 3.1.5.4 Additional Work and Time Frame for Resolution of Differences

Unless additional research is conducted, the estimates and estimation techniques are complete as presented.

### 3.1.5.5 Research Recommendations

- a. Additional work is needed in the Taku River system to determine the distribution of production within the system and to validate escapement estimates at the border. This, combined with additional coded-wire tag data, would help to narrow differences in estimates of U.S. catches of Taku stocks that spawn on the Canadian side of the border, and should lead to more reliable run reconstruction estimates. The fact that the Taku River accounts for 79% of the difference in total estimates of U.S. catch of these stocks, combined with indications that it is the most important and heavily harvested producer of coho salmon among the transboundary rivers, indicates that it should receive the highest priority for research and stock assessment funding.
- b. Surveys to document production of coho salmon in the "other rivers" are also needed. Studies to determine the distribution of production within the Alsek River system would likely bring estimates of U.S. catches of these stocks closer together.
- c. Although estimates of U.S. catch of Stikine River coho stocks that spawn on the Canadian side of the border are relatively close, these rely upon very limited escapement information. Research directed at better documenting the border escapement in the Stikine system could lead to significant changes in the estimates.

## 3.1.6 Chinook Salmon

### 3.1.6.1 Major Changes

No changes from the January 1989 estimates have been made as yet.

### 3.1.6.2 Remaining Differences

The estimates of U.S. gill net and troll catches of chinook that spawn in Canadian sections of the Stikine and Taku Rivers, and of U.S. setnet and troll catches of chinook that spawn in Canadian sections of the Alsek River remain unresolved. Canada based estimates of U.S. catches of transboundary chinook on border escapements and U.S. exploitation rates.

Differences in total U.S. catches of these stocks are largest for 1980 to 1982, and fairly constant from 1983 to 1988 (about 20,000 chinook) (Table 3.5).

TABLE 3.5 U.S. CATCHES OF CHINOOK SALMON STOCKS THAT SPAWN IN THE CANADIAN PORTIONS OF TRANSBOUNDARY RIVERS. U.S. AND CANADIAN ESTIMATES ARE GIVEN PLUS THE DIFFERENCE IN THE ESTIMATES BY THE TWO PARTIES (CANADA MINUS U.S.) BY RIVER SYSTEM.

| YEAR | -- TOTAL CATCH-- |          | -----DIFFERENCES BY SYSTEMS----- |         |        |       |       |
|------|------------------|----------|----------------------------------|---------|--------|-------|-------|
|      | US est.          | CAN est. | TOTAL                            | STIKINE | TAKU   | ALSEK | OTHER |
| 1980 | 5,710            | 65,940   | 60,230                           | 28,865  | 23,620 | 2,175 | 5,570 |
| 1981 | 6,438            | 62,118   | 55,680                           | 29,148  | 21,359 | 1,223 | 3,950 |
| 1982 | 5,320            | 46,911   | 41,591                           | 25,704  | 10,214 | 1,723 | 3,950 |
| 1983 | 1,543            | 19,030   | 17,487                           | 6,562   | 4,657  | 2,319 | 3,950 |
| 1984 | 2,452            | 28,083   | 25,631                           | 11,430  | 8,730  | 1,520 | 3,950 |
| 1985 | 3,852            | 23,213   | 19,361                           | 7,351   | 9,092  | 588   | 2,330 |
| 1986 | 4,183            | 24,237   | 20,054                           | 7,245   | 9,465  | 1,014 | 2,330 |
| 1987 | 5,032            | 27,721   | 22,689                           | 10,744  | 8,526  | 1,089 | 2,330 |
| 1988 | 6,871            |          |                                  |         |        |       |       |
| AVG  | 4,600            | 37,157   | 32,840                           | 15,881  | 11,958 | 1,456 | 3,545 |

### 3.1.6.3 Technical Reasons For Unresolved Differences

Estimates are based on escapements and assumed exploitation rates. There is very little data on which to base harvest rates and those assumed by the Parties differ greatly.

### 3.1.6.4 Additional Work and Time Frame for Resolution of Differences

The Transboundary Technical Committee has agreed to discuss transboundary chinook catches by U.S. fisheries with the Chinook Technical Committee before making any changes in the original estimates. This process will probably take several months, depending on time schedules of both Committees.

### 3.1.6.5 Research Recommendations

- a. Surveys to document production of chinook salmon in the "other rivers" are needed. Spawning of chinook in Canadian portions of the Unuk and Chilkat Rivers is known; however there are no estimates of total population size. Research into exploitation rates of index chinook stocks would also be helpful.

## 3.2 NORTHERN BOUNDARY TECHNICAL COMMITTEE

### 3.2.1 General Adjustments

#### 3.2.1.1 Catch Statistics Verification

The catch statistics used in the report have been checked and changes made as necessary. Catches for 1988 were added to the data bases.

#### Annette Island

The U.S. Annette Island catches have been included as separate strata by gear type. Interception rates for the adjacent District 101 seine fishery were applied to these catches.

#### Outside-Inside Catch Splitting

The Committee decided to partition catches within statistical areas or districts where outside and inside catches are assumed to have different interception rates. This occurs where interception rates have been determined for outside areas, but the more terminal areas have not been sampled. Interception rates may be reported as zero if no interception is believed to occur, or left blank if the rates are unknown. The areas that have been partitioned are identified in the species specific discussions that follow. Each country will provide maps defining the outside/inside strata.

#### Differences in Hatchery Contribution Accounting

The Committee concluded that where information allows, hatchery contributions by country of origin should be documented. Because hatchery contributions can be expected to increase over time, it is important that the procedures for documenting these contributions be established in the near future. The committee recognizes that technical and cost considerations currently prevent complete documentation of hatchery stocks. However, it should be recognized that in the future, the contributions of hatchery stocks to commercial fisheries will need to be documented for management

purposes. Where reliable estimates can be made by fishing district or area, hatchery contributions should be documented at these levels. Ideally, interception tables should separate natural and enhanced catch within each strata. In this report, the U.S. has subtracted chum enhancement from district catches before applying interception rates. Canadian enhancement has not been subtracted from U.S. or Canadian catches; however, the enhanced contribution in interception fisheries is currently small. There are disparities in the coastwide application of accounting for hatchery fish.

### **3.2.2 Sockeye Salmon**

#### **3.2.2.1 Major Changes**

The Committee has developed a common set of catch strata. The number of strata were expanded to provide more detailed breakouts by gear and area where information was available. Canada has split outside/inside catches for Areas 1, 4 and 5, and further divided sub-areas 3(1-4) into sub-areas 3(-1) and 3(2-4), while the U.S. has partitioned District 101 seine catch.

#### **3.2.2.2 Remaining Differences**

The Committee agreed there was no technical basis for preferentially selecting U.S or Canadian methodologies or estimates for Northern Boundary sockeye stocks. Most of the interception rate differences for sockeye are small. The main differences in interception estimates result from the use of different stock composition estimators (differences widened for 1980 to 1982 and narrowed for 1983 to 1987). The U.S. used actual or extrapolated scale based estimates for U.S. fisheries in all years, and actual or extrapolated tagging based estimates for Canadian fisheries. Canada used combined actual or extrapolated stock interception estimates derived from scale, GSI, and tagging information in various combinations.

The Northern Boundary Technical Committee decided not to include a separate entry for Transboundary sockeye as these will be reported by the Transboundary Technical Committee. Previously, Canada had included Alaskan interceptions of Transboundary sockeye in Category A. The current Canadian spreadsheet entries for District 106 and 108 reflect interception rates that have been adjusted by the interception estimates for transboundary stocks provided in the joint Transboundary Committee report, "Preliminary Salmon Catches, Escapements, and Enhancement activities in the Transboundary Rivers in 1989" (November 1989).

The Committee discussed northern interceptions of "south migrating" sockeye. As an interim measure, the "south migrating" sockeye stock catches in the Northern Boundary area are included for Alaska as part of the U.S. interceptions in category A, and for Canada as part of the Canadian catch in Canadian catch strata.

#### **3.2.2.3 Technical Reasons For Unresolved Differences**

Although the methodology for calculating sockeye interceptions differs somewhat between the countries, the results are similar.

#### **3.2.2.4 Additional Work and Time Frame for Resolution of Differences**

Further discussions are required with PSC staff and the Fraser River Technical Committee to decide on a methodology and accounting procedure for southward migrating sockeye.

Canada needs to refine the estimates of sockeye interceptions derived from electrophoretic information. The annual estimates used in this report were averaged from weekly estimates calculated in season. These data should be prorated with weekly catch or catch per unit effort data and then averaged to provide annual estimates of interception.

### 3.2.2.5 Research Recommendations

- a. No new research is recommended at this time.

## 3.2.3 **Pink Salmon**

### 3.2.3.1 Major Changes

The Committee has developed a common set of catch strata. The number of strata were expanded to provide more detailed catches by gear and area where information was available. Canada has split the inside-outside catches for Areas 1, 4 and 5, and further divided sub-areas 3(1-4) into sub-areas 3(-1) and 3(2-4), while the U.S. has partitioned District 101, 106, 107 and 108 catches to delineate terminal hatchery- harvest areas.

### 3.2.3.2 Remaining Differences

There are still sizeable differences between the Parties' estimates in odd years and in some even years. These differences generally were greatest for Areas 101 and 3 in Canada, and for District 104 in the U.S.

### 3.2.3.3 Technical Reasons For Unresolved Differences

For years when joint tagging occurred (1982, 1984 and 1985), small differences in interception estimates resulted from each country using it's own analysis of the tagging data. The Committee does not believe that these small differences can be easily resolved.

Both countries applied tagging data from the tagging years when determining interception estimates for years when no tagging took place and this is where the greatest differences in interception estimates occurred. The Committee recognised that extrapolating three years of data to the entire period 1980 to 1988 is not technically sound, but is the only option available due to the lack of alternative stock identification techniques. Differences in relative stock strengths of U.S. and Canadian pink salmon each year and temporal changes in fishing patterns could cause bias in these extrapolated estimates. The U.S. and Canada used different assumptions in applying the tagging data to non-tagging years. Canada adjusted interceptions by taking into account differences in the pink stock sizes returning to Northern B.C. and southern S.E. Alaska each year, while the U.S. did not. The U.S. used averages from the three years of tagging when extrapolating to non-tagging years, while Canada used the average of the two even years for other even years and the one odd year of tagging data for other odd years. Canada used 1985 tagging data to develop interception rates for subareas across Dixon Entrance for all years, while the U.S. used a single rate for Dixon Entrance.

### 3.2.3.4 Additional Work and Time Frame for Resolution of Differences

The Committee agrees to focus its efforts on narrowing differences resulting from each Parties' application of the tagging data to non-tagging years. Relative differences in the run size to each country should be taken into account if tagging data is to be applied to non-tagging years. However, a number of technical issues were raised that would have to be addressed if the Committee was to attempt to develop an agreed methodology to take into account fluctuations in annual variations in run sizes. In addition, the relative merit of combining odd and even years tagging data when calculating interceptions for non-tagging years needs further examination.

The Northern Boundary Technical Committee will attempt to develop a mutually agreed on method of adjusting annual interceptions to reflect relative differences in run size to each country, within the next year.

### 3.2.3.5 Research Recommendations

- a. No new techniques for stock identification are expected to be developed for pink salmon in the near future; existing methodologies will continue to be used.

## 3.2.4 Chum Salmon

### 3.2.4.1 Major Changes

The committee has developed a common set of catch strata. The number of strata were expanded to provide more detailed catch breakouts by gear and area where information was available. Canada has split the outside-inside catches for areas 1, 4 and 5, and further divided sub-areas 3(1-4) into sub-areas 3(-1) and 3(2-4), while the U.S. has partitioned the District 101, 106, 107 and 108 catches to delineate terminal hatchery-harvest areas and the District 102 seine catch based on run timing.

### 3.2.4.2 Remaining Differences

Relatively little new data for northern boundary area chum salmon stocks has been acquired since Henry and Aro developed interception estimates for chum salmon in specific fisheries. For this reason, both countries' estimates are based on those in Henry and Aro. However, estimates for Alaskan seine districts were missing and the U.S. felt that some Henry and Aro estimates were wrong. Therefore, the U.S. used current researchers' estimates for Districts 101 and 102 purse seine, District 111 gillnet, Area 1 troll and Area 3 gillnet, seine, and troll. The U.S. and Canadian estimates differ somewhat, but the Committee does not believe these differences can be easily resolved.

At the time Henry and Aro made their estimates, the chum enhancement programs in the northern boundary area were not established. Because the introduction of enhanced chum was a new development for the 1982-1987 time period, the U.S. subtracted catches of U.S. hatchery chums from individual U.S. fishery catches prior to applying Henry and Aro interception rates.

### 3.2.4.3 Technical Reasons For Unresolved Differences

See section above.

### 3.2.4.4 Additional Work and Time Frame for Resolution of Differences

See section below.

### 3.2.3.5 Research Recommendations

- a. Currently, chum salmon electrophoretic baselines are being completed for key northern boundary area stock groupings and by the fall of 1990 the Northern Boundary Technical Committee will evaluate the potential of this technique to improve Northern Boundary interception estimates. Beginning in 1990, tag recoveries from microwire fry tagging of the natural chum stocks in Fish Creek near Hyder are expected in boundary area fisheries. This program is designed to evaluate the use of natural chum fry microwire tagging programs to improve estimates of chum salmon stock distribution among major fisheries.

### **3.3 CHINOOK TECHNICAL COMMITTEE**

Due to the press of other assignments, the Chinook Technical Committee has not been able to fully address the request of the Joint Interceptions Committee.

#### **3.3.1 Major Changes**

None to date.

#### **3.3.2 Remaining Differences**

As yet, no changes have been made to the January 1989 estimates exchanged by the Parties.

#### **3.3.3 Technical Reasons For Unresolved Differences**

Not applicable.

#### **3.3.4 Additional Work and Time Frame for Resolution of Differences**

Agreement has been reached within the Analytical Working Group of the Chinook Technical Committee to establish a common catch database and to utilize stock composition estimates derived from the PSC Chinook model as a basis for estimating interceptions. The Committee must undertake the following tasks to address the request of the JIC

- a. Create a common catch database for chinook, including methodology for determining the appropriate catch for application of model-based stock composition estimates (e.g. subtracting contributions of non-represented hatchery fish from catches; subtracting estimates of catch for transboundary fish from Alaskan and B.C. fisheries; subtracting contributions from non-represented Oregon and California stocks from Washington/Oregon catches),
- b. Calibrate the chinook model to reflect currently available data,
- c. Develop statements regarding qualification and proper interpretation of stock-composition estimates derived from the PSC model.

The Committee anticipates that this work could be accomplished by spring 1990.

#### **3.3.5 Research Recommendations**

- a. The Committee has not yet attempted to identify research needs directed at reducing differences in interception estimates for chinook salmon.

### **3.4 COHO TECHNICAL COMMITTEE**

#### **3.4.1 Major Changes**

In the Southern Panel area, the U.S. updated 1984-1986 estimates of stock composition in accordance with results reported in the Joint Coho Technical Report (TCCOHO (89)-1). As a result of these changes, U.S. estimates of

category D interceptions increased by an average of 434,000 per year. U.S. estimates of category E interceptions changed by about 30,000 fish each year, increasing in 1984 and 1985 and decreasing in 1986.

Other changes in interception estimates were relatively minor and reflected the verification of catch statistics and interception rates (e.g. consistent with Henry and Aro).

### **3.4.2 Remaining Differences**

Major differences in interception estimates still exist for northern and southern boundary area fisheries. Since Canadian estimates of interceptions remained largely unchanged, the differences between the Parties' estimates have widened.

### **3.4.3 Technical Reasons For Unresolved Differences**

There has been no recent technical work done on estimating stock composition or interception rates in the northern boundary area. Interception rates documented by Henry and Aro have been used by both Parties and at this time there is no basis for using other estimates. The U.S. has subtracted Alaskan hatchery contributions and special (terminal) harvests before applying these interception rates in Alaskan fisheries. Canada has not subtracted Canadian hatchery contributions from either Canadian or U.S. fisheries.

In the southern boundary area, the U.S. is now using the Coho Technical Committee estimates of stock composition as the basis for estimates of interceptions for the years 1984 through 1986. Canada has not used these estimates for interception purposes since there are concerns about potential bias and the high proportion of unknown fish in some fisheries which need to be explored further.

U.S. estimates for 1987 and years prior to 1984 were derived from U.S. management models. Canadian estimates for all years are from Henry and Aro and Swain (unpublished analysis). These differences could not be resolved within the time available to respond to the JIC request.

### **3.4.4 Additional Work and Time Frame for Resolution of Differences**

Technical examination of northern boundary area coho data is required to determine the best way of developing mutually agreed upon interception estimates. Work on estimating stock composition in Southern Panel fisheries may provide some insight into whether these techniques could be applied for northern fisheries. If directed to do so, the Coho Technical Committee could explore the feasibility of developing interception estimates as part of its Northern Panel data analysis assignment.

Some additional technical work is required in the Southern Panel area to narrow differences in estimates of interceptions for 1984 through 1986. Potential bias in the stock composition estimates developed by the Coho Technical Committee in TCCOHO (89)-1, given the experimental design used (variable size of production strata, low mark rate of some stocks) and the high proportion of unknown fish in some strata, should be investigated. In addition, development of alternative models for estimation of stock composition should be explored. These tasks will likely take one year to complete.

Estimates of stock composition for 1987 and 1988 and for years prior to 1984 could be made when CWT recovery data become available and investigations of methodologies are complete.

### 3.4.5 Research Recommendations

- a. Stock identification techniques - The feasibility of developing alternative stock composition estimates through methods independent of CWT analysis should be explored. GSI and nuclear DNA electrophoresis techniques are candidates currently under development.

Mass marking techniques may provide a means for identifying contributions of hatchery fish, thus eliminating this source of uncertainty. The feasibility of marking scales of hatchery fish by adjusting temperature and photoperiod and by introducing rare earth elements through the water supply or diet are being investigated. These projects should be supported, but consideration should be given to the practical aspects of implementation as well as technical development.

- b. Coded wire tagging assumptions - A number of questions regarding the validity of assumptions underlying coded wire tag data need to be addressed. These include: the relative survival rates of tagged and untagged fish; the degree to which tagged hatchery fish are representative of untagged hatchery and wild fish; the accuracy of expansion factors used to estimate tags in fisheries which are not randomly sampled (e.g. some sport fisheries).
- c. Development of analytical techniques - Improvement of existing techniques (linear programming model) and the development of alternative approaches (e.g. non-linear models) should be undertaken. Work in this area is on-going within the Coho Technical Committee and jointly with outside consultants.
- d. Development of coded wire tag index stocks - A set of indicator stocks for annual coded wire tagging should be developed to provide a consistent, representative basis for analysis. In particular, increased tagging of Canadian stocks on the west coast of Vancouver Island, Juan de Fuca Strait and southeast Vancouver Island is recommended.

## 3.5 FRASER TECHNICAL COMMITTEE

### 3.5.1 Major Changes

Joint interception estimates for sockeye and pink salmon in Categories D and E have been developed by Pacific Salmon Commission (PSC) staff and agreed to by the Fraser Technical Committee.

### 3.5.2 Remaining Differences

None.

### 3.5.3 Technical Reasons For Unresolved Differences

Not applicable.

### 3.5.4 Additional Work and Time Frame for Resolution of Differences

Interceptions of Fraser sockeye and pink by Alaskan fisheries were estimated by PSC but have not yet been reviewed by the Northern Boundary Technical Committee.

Pink salmon interceptions were estimated by run reconstruction prior to 1987 and genetic stock identification (GSI) since. Run reconstruction results have not yet been reviewed by the Fraser Technical Committee and therefore are

subject to change. GSI estimates have not been corrected for bias and therefore also are subject to change. It is anticipated that this work will take approximately four weeks to complete when a standardized bias correction methodology becomes available. Pink interception estimates should be updated well before the 1990/91 PSC meeting cycle.

### **3.5.5 Research Recommendations**

- a. Develop a standard GSI bias correction methodology.

## **3.6 CHUM TECHNICAL COMMITTEE**

### **3.6.1 Major Changes**

Joint interim estimates of interceptions have been developed for all major southern chum fisheries.

### **3.6.2 Remaining Differences**

None.

### **3.6.3 Technical Reasons For Unresolved Differences**

Not applicable.

### **3.6.4 Additional Work and Time Frame for Resolution of Differences**

Agreement on methodology for application of Genetic Stock Identification (GSI) data has been reached, however some technical differences remain as to interpretation of GSI results. The Chum Technical Committee is continuing to evaluate three aspects of the methodology employed for estimation of interceptions: (1) Current interception estimates are based on 7 of 15 GSI loci; the Committee is evaluating the use of 21 loci for several U.S. fisheries; (2) the time-area catch strata appropriate for application of available stock composition estimates; and (3) quantification and application of bias correction factors for small (<15%) components in GSI results. It is anticipated that remaining work will take approximately six months to complete. Interception estimates for southern chum will be reviewed and updated sometime during 1990.

### **3.6.5 Research Recommendations**

- a. Determine inter and intra annual variation in genetic characteristics of a stock, using baseline samples collected in 1987 and 1988 from the Nitinat hatchery as an example.
- b. Compare the consistency of the laboratory procedures used in Washington and Canada by analyzing in each laboratory a set of identical samples from the Nitinat hatchery.
- c. Conduct simulations to determine the bias in the Nitinat baseline.
- d. Evaluate the changes in accuracy and precision of estimated stock compositions by using a 21-loci baseline instead of a 7-loci baseline as well as the implications in regards to sample size.
- e. Examine alternative methods of correcting for bias introduced by the selection of stocks in a baseline.

- f. Evaluate the effects that the utilization of genotypic versus allelic frequencies have upon estimates of stock composition.
- g. Evaluate the effects that the alternative estimation procedures used by Canada and Washington have upon the stock composition estimates.
- h. Investigate techniques other than electrophoretic analysis for stock identification and determine their utility for providing highly accurate and precise estimates of chum salmon stock composition.

## 4.0 INTERCEPTIONS SUMMARY

### 4.1 NUMERICAL RANKING OF DIFFERENCES

Table 4.1 summarizes differences in 1980-87 interception estimates by species and interception category after referral to the technical committees. Table entries for each species are ranked in descending order of the absolute differences. Since the Chinook Technical Committee was unable to address differences in interception estimates at this time, chinook were excluded from the table. Interception categories are coded to the right of the year. Figures 4.1 to 4.4 present bar graphs of the remaining differences (absolute) between the Parties' annual estimates for each category. Figure 4.5 shows the "before" estimates of chinook interception differences (see also Table 4.2e).

### 4.2 DIFFERENCES THAT HAVE BEEN RESOLVED

Sockeye, pink and chum differences have been completely resolved for categories B2, D and E. Coho differences have been resolved for category B2.

The Analytical Working Group of the Chinook Technical Committee has agreed to use stock compositions derived from the PSC rebuilding model to estimate interceptions. Thus, when the Chinook Technical Committee is able to complete the necessary work, it is anticipated that differences in interception estimates will be significantly narrowed, or perhaps eliminated, for all categories with the possible exception of category B1.

### 4.3 REMAINING DIFFERENCES

The largest remaining differences between the Parties' interception estimates are in categories A and B1 for sockeye (Figure 4.1), categories C, A and B1 for pink (Figure 4.2), and categories B1 and C for chum (Figure 4.3).<sup>1</sup> For coho, the largest remaining differences are in categories D, A and E (Figure 4.4).

Tables 4.2a to 4.2d summarize differences by interception category for sockeye, pink, chum and coho before and after referral to technical committees. Table entries are ranked in order of remaining absolute differences ("after" differences) for each technical committee. Table 4.2e presents the "before" estimates of differences for chinook. Figures 4.6 to 4.9 cumulate the absolute differences between the Parties' estimates for 1980-87, by category, for sockeye, pink, chum and coho in order to compare the overall success of the Committees at narrowing the interception gaps.

For sockeye, the differences have been narrowed in all cases except category A (widened by approx. 10%). For pink, differences between the Parties' estimates narrowed in all categories except A where there was a small increase (<10%). Differences between chum estimates have been narrowed for category A, but not for categories C and B1 (widened

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1. Note that the X axis on all graphs shows absolute DIFFERENCES between the Parties' interception estimates (i.e. Canadian estimates of interceptions minus U.S. estimates of interceptions, cumulated regardless of the direction of the difference).

by approx. 15-40%). Differences in coho estimates increased for categories D and A (approx. 20-50%), decreased for category B1 and stayed roughly the same for categories C and E.

Differences between chinook "before" estimates are largest for categories A and B1 (Figure 4.5, Table 4.2e).

Tables 4.3a to 4.3e present the same information presented in Tables 4.2a to 4.2e, sorted by interception category and year; available 1988 data were added to the "after" columns.

#### **4.4 APPENDIX TABLES OF DETAILED INTERCEPTION DATA**

Table 4.4 describes format and codes for the Appendix tables. Explanatory notes to the tables follow at the end of each Appendix section. The Appendices are ordered by technical committee (Transboundary, Northern Boundary, Chinook, Coho, Fraser, Chum) and, where appropriate, by species within technical committee (sockeye, pink, chum, coho, chinook). Within each species section, data are ordered by year and then area.

It should be noted that Chinook Technical Committee tables are the same as those published in "Joint Interceptions Committee Requests to Joint Technical Committees for Assistance in Resolving Differences in the Parties' Estimates of Salmon Interceptions, June 21, 1989".

Detailed responses from the Fraser and Chum Technical Committees have been included at the end of the respective Appendices.

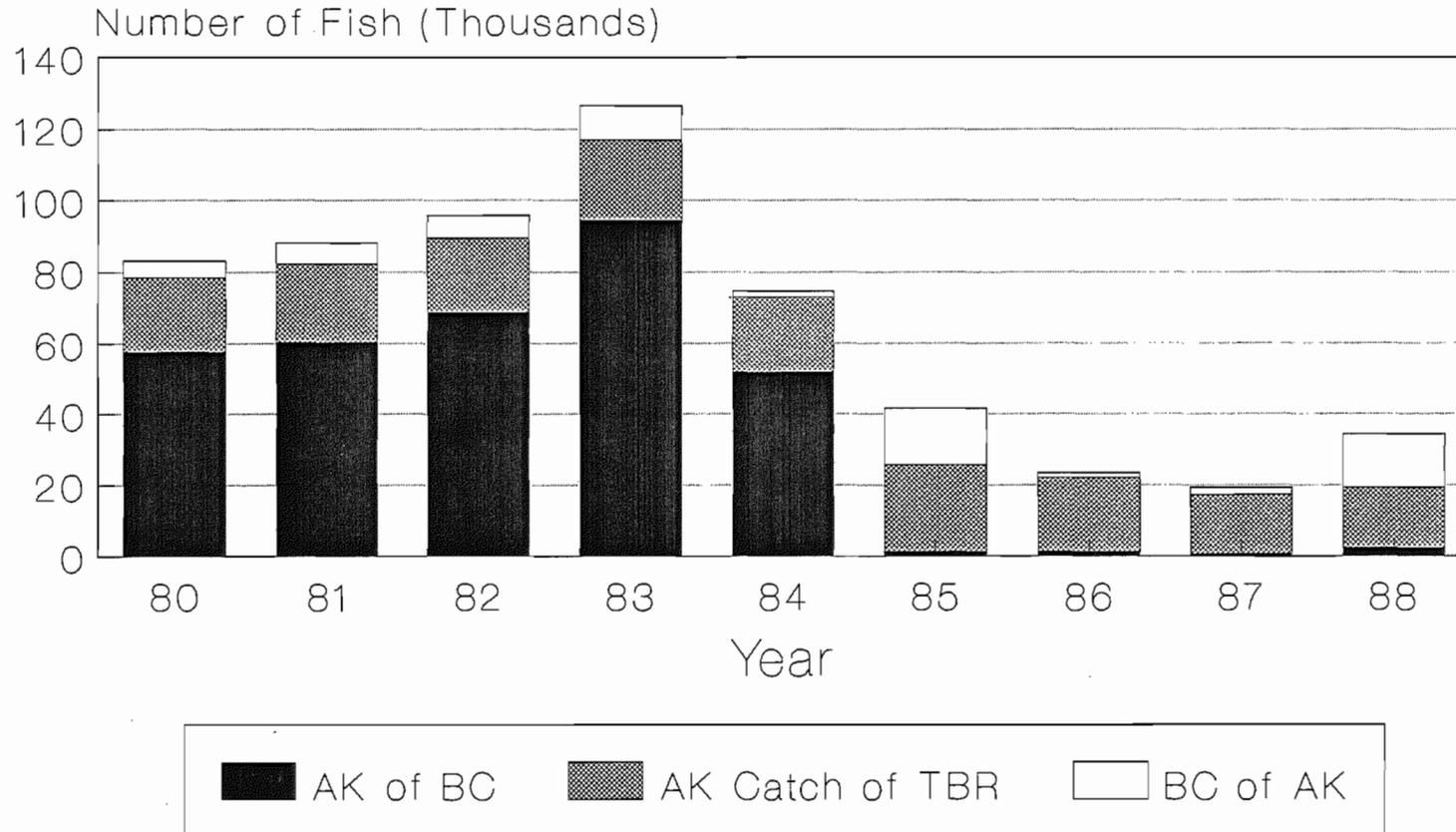
#### **5.0 SUMMARY OF PROPOSED RESEARCH**

Table 4.5 summarizes research needs for improving interception estimates that were indicated to the JIC by the technical committees.

Research recommendations fell into four general areas: (a) the most common need was to improve stock identification techniques and implement associated programs to collect necessary data; (b) research to assist in interpretation of results of stock identification work and analysis of harvest distribution was broadly reported; (c) research to determine the magnitude of escapements and distribution of production for spawning populations was identified as a particular need for transboundary stocks; and (d) the need to develop analytical tools for bilateral estimation of stock composition was identified by the Coho Technical Committee. The research proposed by the committees will be of limited value in resolving interception differences for past years.

The Research and Statistics Committee is expected to draw on the needs identified by the committees in its February report to the Commission on ways to resolve the remaining differences in the Parties' interception estimates.

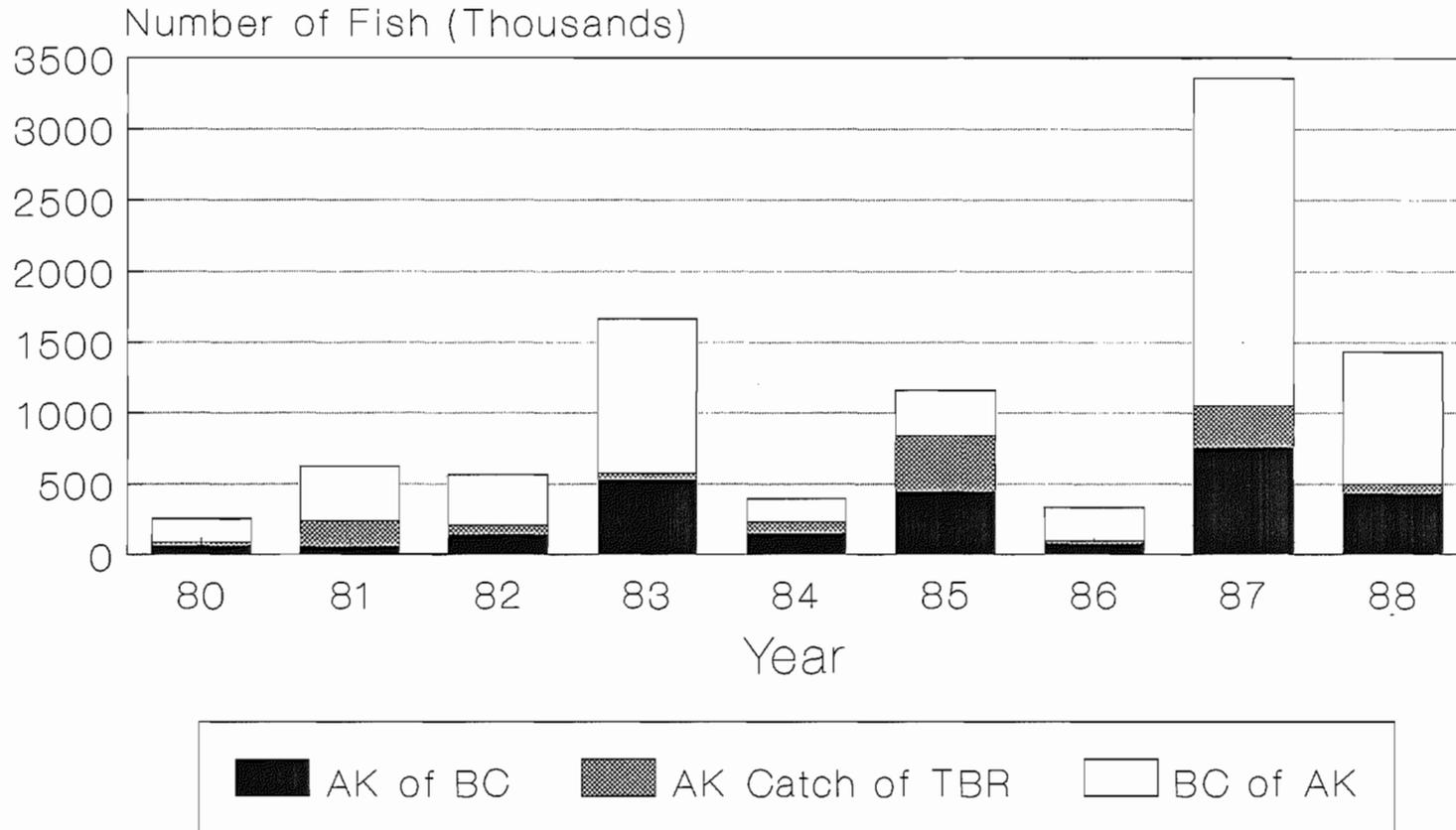
## REMAINING DIFFERENCES BETWEEN INTERCEPTION ESTIMATES FOR SOCKEYE BY YEAR AND CATEGORY



Other differences have been resolved.

Figure 4.1

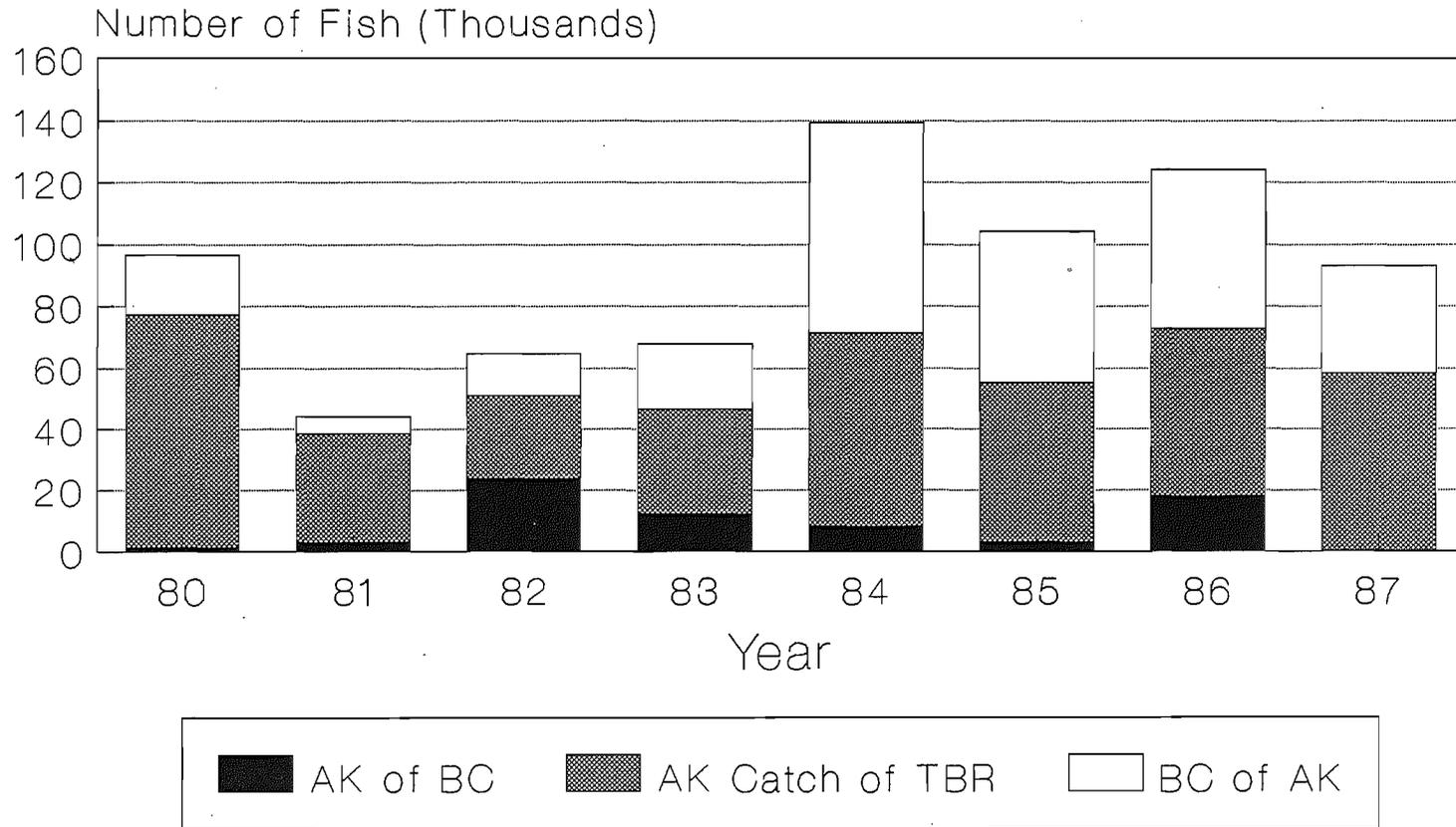
## REMAINING DIFFERENCES BETWEEN INTERCEPTION ESTIMATES FOR PINKS BY YEAR AND CATEGORY



Other differences have been resolved.

Figure 4.2

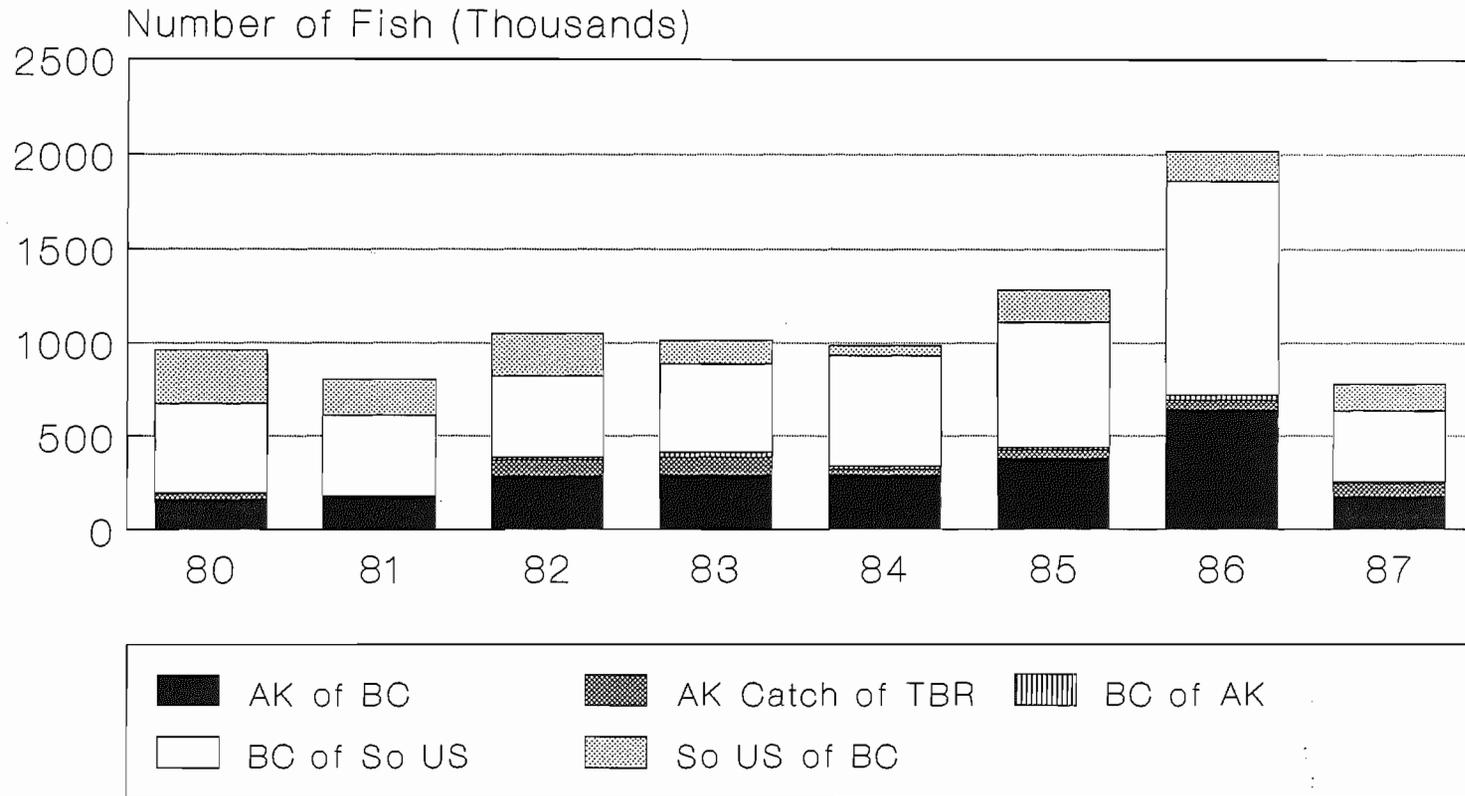
## REMAINING DIFFERENCES BETWEEN INTERCEPTION ESTIMATES FOR CHUMS BY YEAR AND CATEGORY



Other differences have been resolved.

Figure 4.3

# REMAINING DIFFERENCES BETWEEN INTERCEPTION ESTIMATES FOR COHO BY YEAR AND CATEGORY



Differences in B.C. catch of Trans-boundary coho have been resolved.

Figure 4.4

# DIFFERENCES BETWEEN THE PARTIES' JANUARY 1989 INTERCEPTION ESTIMATES FOR CHINOOK BY YEAR AND CATEGORY

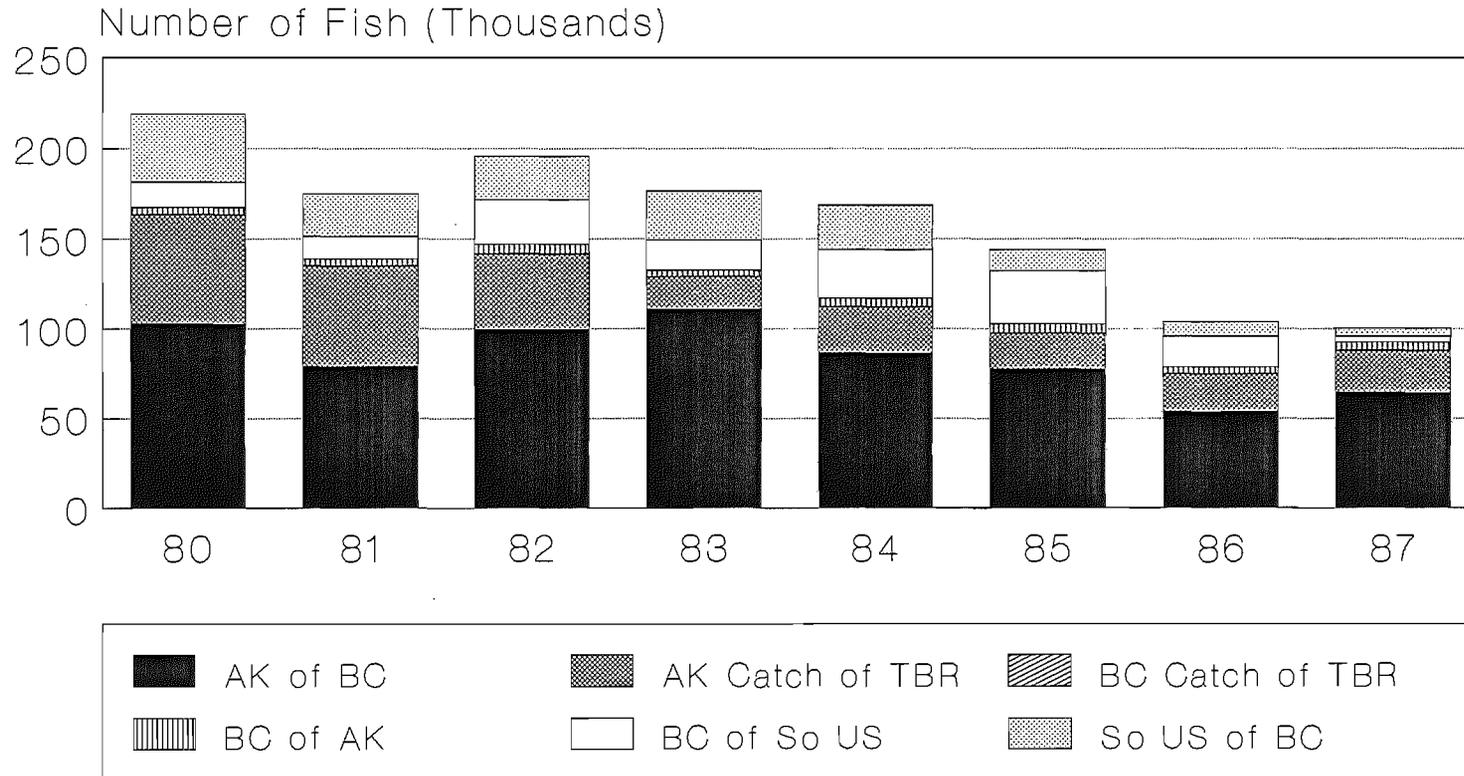


Figure 4.5

## TECHNICAL COMMITTEE SUCCESS AT NARROWING THE DIFFERENCES BETWEEN THE PARTIES' INITIAL SOCKEYE INTERCEPTION ESTIMATES

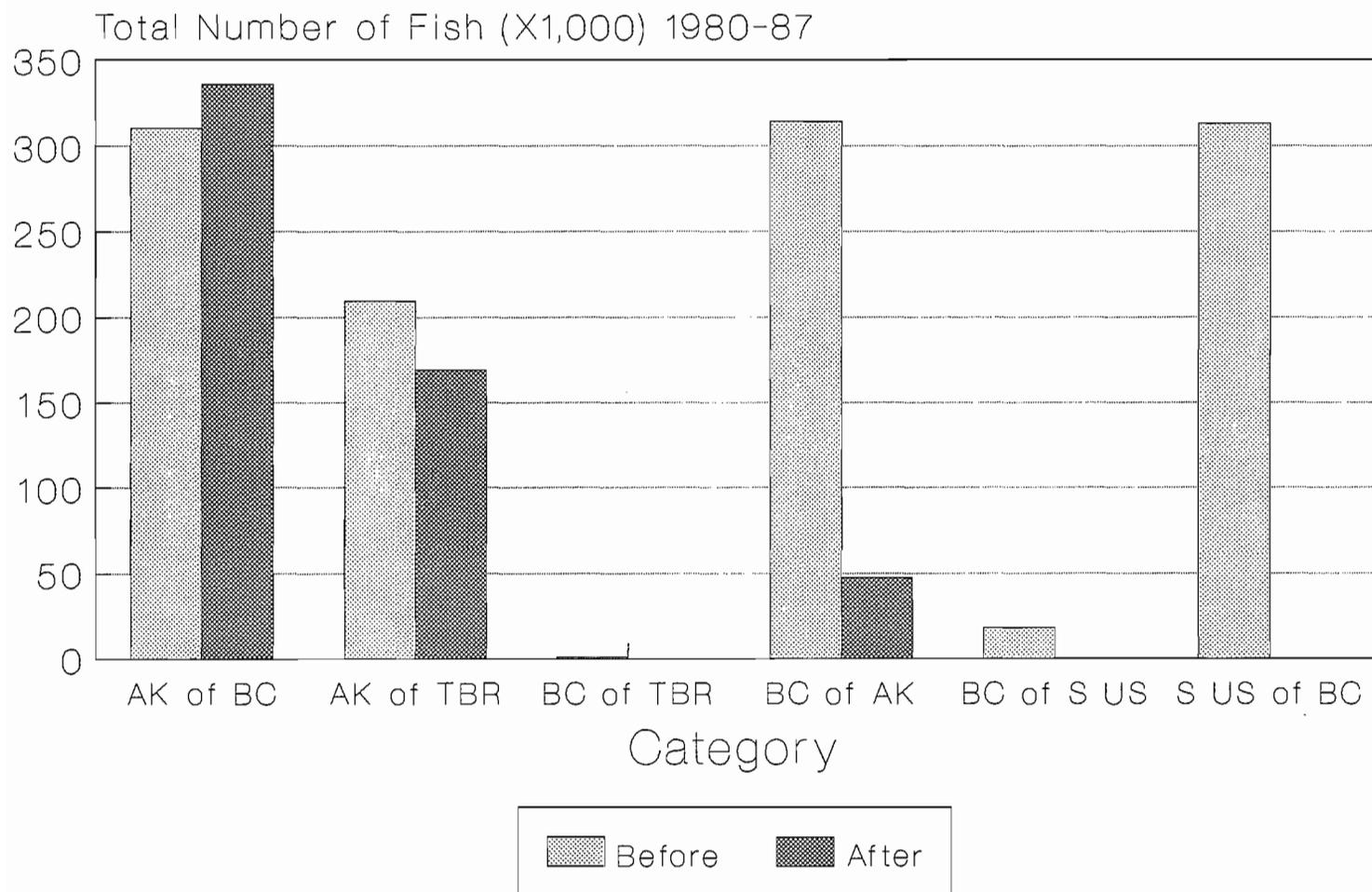


Figure 4.6

# TECHNICAL COMMITTEE SUCCESS AT NARROWING THE DIFFERENCES BETWEEN THE PARTIES' INITIAL PINK INTERCEPTION ESTIMATES

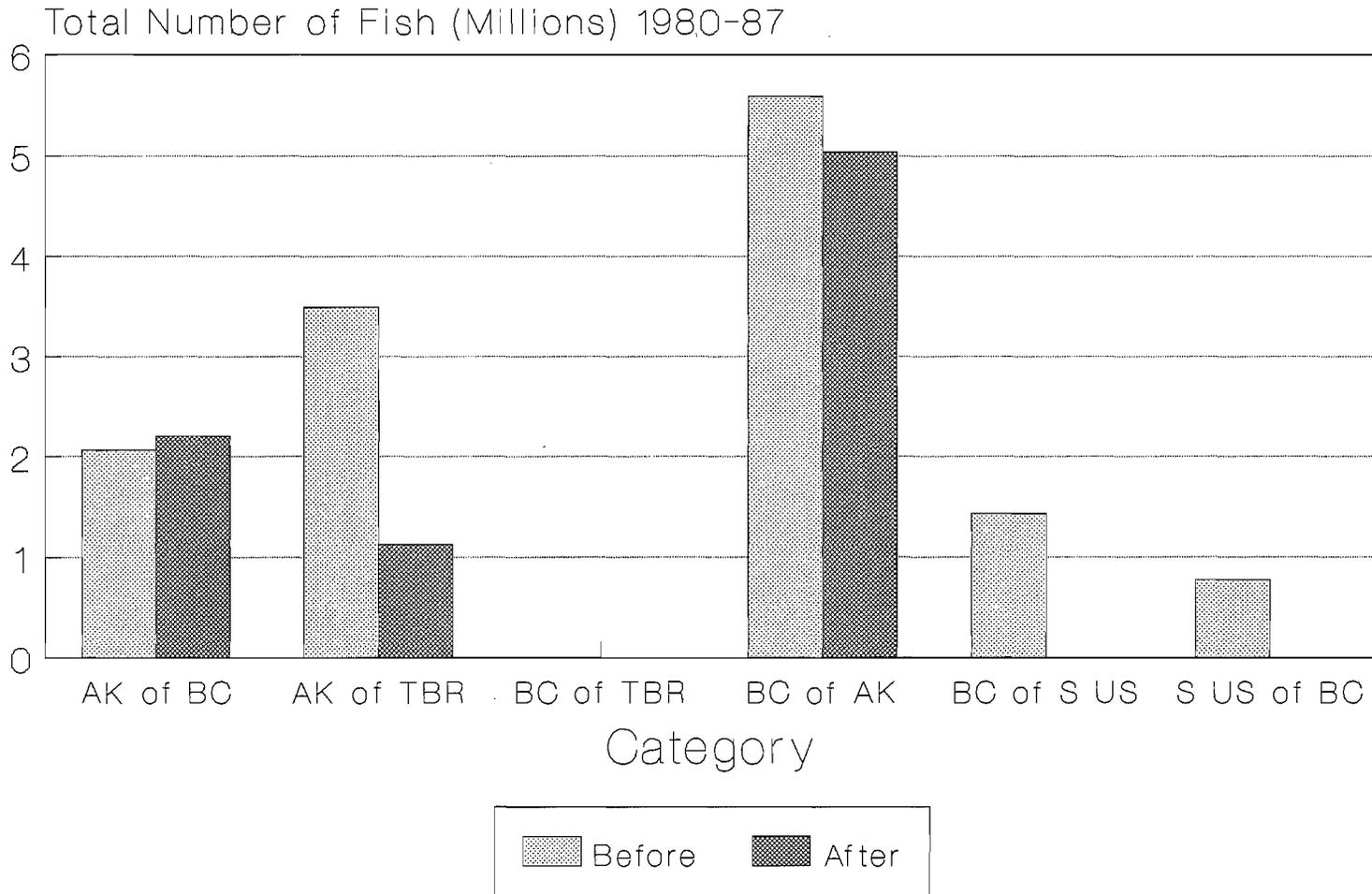


Figure 4.7

# TECHNICAL COMMITTEE SUCCESS AT NARROWING THE DIFFERENCES BETWEEN THE PARTIES' INITIAL CHUM INTERCEPTION ESTIMATES

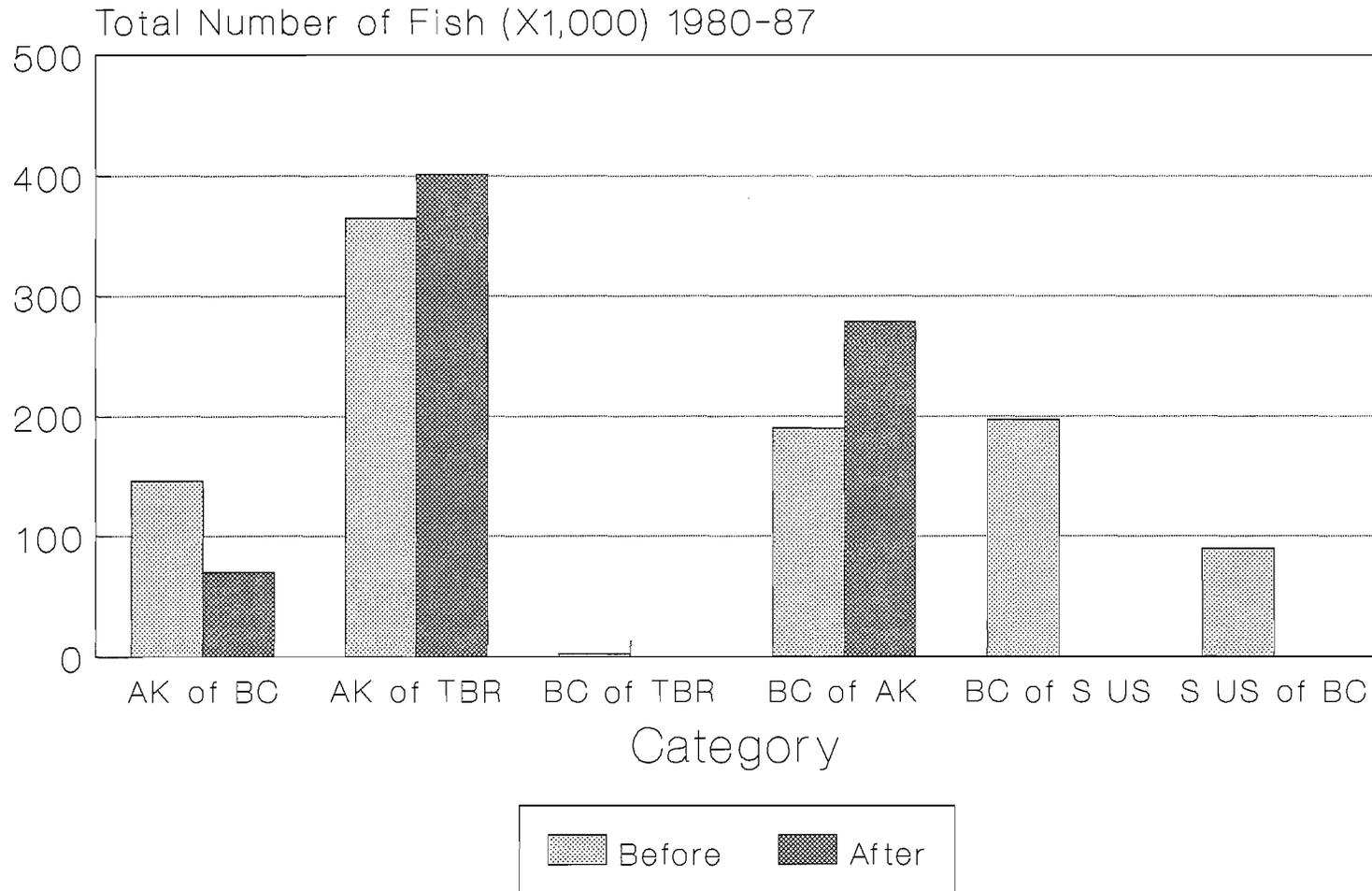


Figure 4.8

# TECHNICAL COMMITTEE SUCCESS AT NARROWING THE DIFFERENCES BETWEEN THE PARTIES' INITIAL COHO INTERCEPTION ESTIMATES

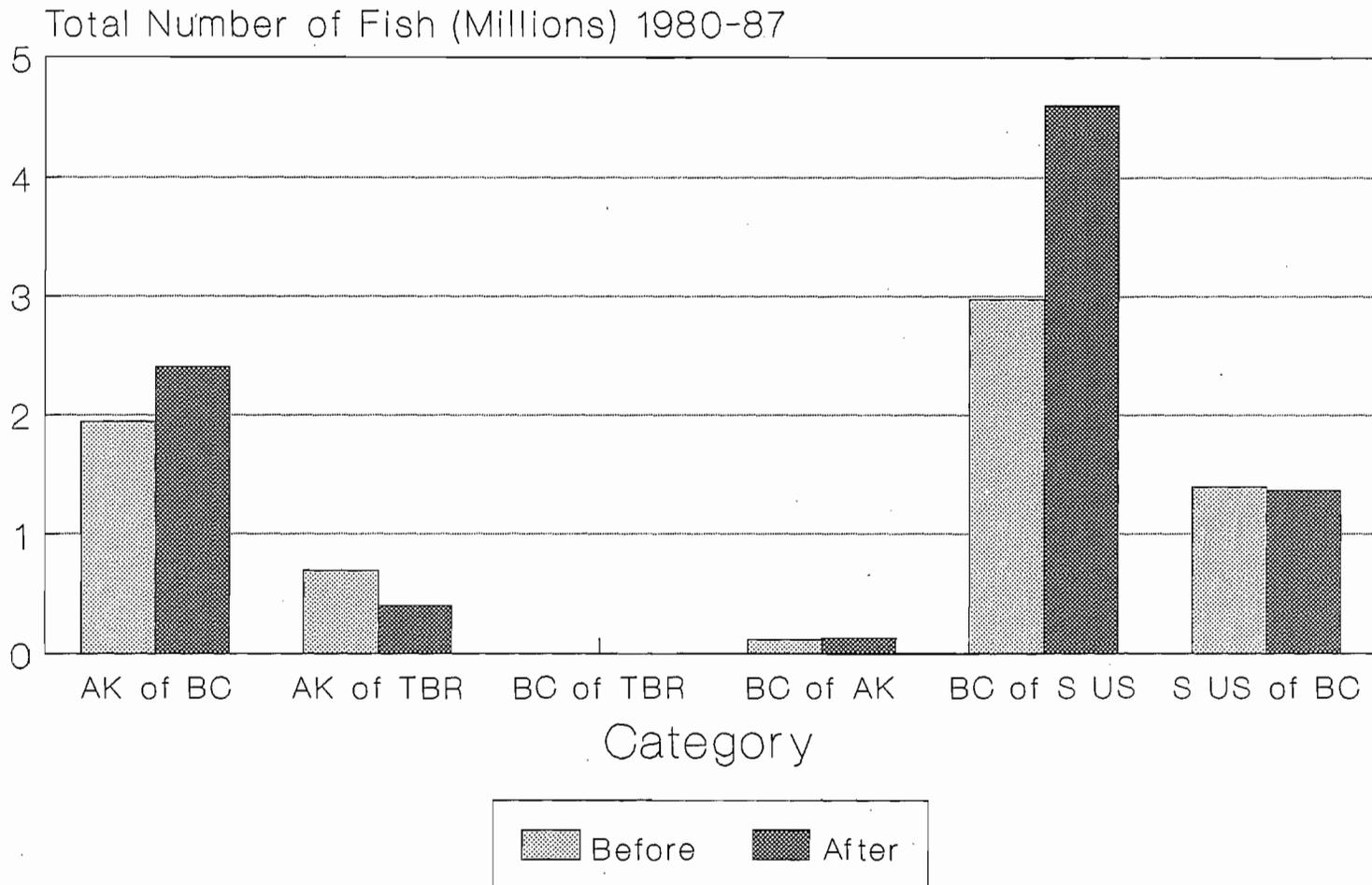


Figure 4.9

Table 4.1 Comparison of the Parties' interception estimates after revision by the PSC technical committees. Estimates have been sorted in descending order of the absolute differences.

| YEAR/<br>CAT. | SOCKEYE - AFTER |            |         | YEAR/<br>CAT. | PINK - AFTER |            |             | YEAR/<br>CAT. | CHUM - AFTER |           |          | YEAR/<br>CAT. | COHO - AFTER |            |             |
|---------------|-----------------|------------|---------|---------------|--------------|------------|-------------|---------------|--------------|-----------|----------|---------------|--------------|------------|-------------|
|               | CANADA          | U.S.       | DIFF.   |               | CANADA       | U.S.       | DIFF.       |               | CANADA       | U.S.      | DIFF.    |               | CANADA       | U.S.       | DIFF.       |
| 1983 A        | 741,847         | 647,434    | 94,413  | 1987 C        | 904,077      | 3,211,766  | - 2,307,689 | 1980 B1       | 220,901      | 144,833   | 76,068   | 1986 D        | 1,021,593    | 2,159,441  | - 1,137,848 |
| 1982 A        | 496,399         | 427,764    | 68,635  | 1983 C        | 3,143,679    | 4,235,083  | - 1,091,404 | 1984 C        | 93,170       | 160,962   | - 67,792 | 1985 D        | 709,757      | 1,381,298  | - 671,541   |
| 1981 A        | 443,629         | 383,319    | 60,310  | 1987 A        | 1,044,218    | 287,097    | 757,121     | 1984 B1       | 103,239      | 39,885    | 63,354   | 1986 A        | 947,931      | 306,115    | 641,816     |
| 1980 A        | 502,505         | 444,843    | 57,662  | 1983 A        | 2,372,847    | 1,844,293  | 528,554     | 1987 B1       | 105,202      | 48,955    | 58,247   | 1984 D        | 949,870      | 1,543,642  | - 593,772   |
| 1984 A        | 404,659         | 352,790    | 51,869  | 1985 A        | 1,181,072    | 1,624,320  | - 443,248   | 1986 B1       | 83,442       | 28,515    | 54,927   | 1980 D        | 818,238      | 1,295,103  | - 476,865   |
| 1985 B1       | 140,121         | 115,745    | 24,376  | 1985 B1       | 498,574      | 103,202    | 395,372     | 1985 B1       | 97,993       | 45,871    | 52,122   | 1983 D        | 935,305      | 1,410,957  | - 475,652   |
| 1983 B1       | 70,819          | 48,368     | 22,451  | 1981 C        | 564,149      | 952,145    | - 387,996   | 1986 C        | 51,526       | 102,733   | - 51,207 | 1982 D        | 804,359      | 1,243,619  | - 439,260   |
| 1981 B1       | 113,428         | 91,499     | 21,929  | 1982 C        | 521,120      | 883,167    | - 362,047   | 1985 C        | 51,433       | 100,412   | - 48,979 | 1981 D        | 719,208      | 1,149,329  | - 430,121   |
| 1984 B1       | 104,122         | 83,051     | 21,071  | 1985 C        | 1,825,695    | 1,500,076  | 325,619     | 1981 B1       | 83,279       | 47,746    | 35,533   | 1985 A        | 582,055      | 201,175    | 380,880     |
| 1980 B1       | 167,626         | 146,777    | 20,849  | 1987 B1       | 422,380      | 123,374    | 299,006     | 1987 C        | 34,187       | 68,701    | - 34,514 | 1987 D        | 867,640      | 1,246,218  | - 378,578   |
| 1986 B1       | 114,158         | 93,326     | 20,832  | 1986 C        | 1,971,175    | 2,207,746  | - 236,571   | 1983 B1       | 44,258       | 9,981     | 34,277   | 1984 A        | 443,093      | 151,159    | 291,934     |
| 1982 B1       | 159,766         | 138,981    | 20,785  | 1981 B1       | 301,337      | 118,362    | 182,975     | 1982 B1       | 48,296       | 21,055    | 27,241   | 1983 A        | 472,637      | 181,209    | 291,428     |
| 1987 B1       | 87,838          | 71,040     | 16,798  | 1984 C        | 2,017,676    | 2,183,717  | - 166,041   | 1982 A        | 97,182       | 73,331    | 23,851   | 1980 E        | 441,387      | 152,634    | 288,753     |
| 1985 C        | 71,384          | 55,379     | 16,005  | 1980 C        | 998,372      | 1,164,109  | - 165,737   | 1983 C        | 45,904       | 67,147    | - 21,243 | 1982 A        | 463,765      | 175,171    | 288,594     |
| 1983 C        | 11,002          | 20,799     | - 9,797 | 1984 A        | 1,466,413    | 1,316,707  | 149,706     | 1980 C        | 79,720       | 99,014    | - 19,294 | 1982 E        | 307,848      | 82,742     | 225,106     |
| 1982 C        | 55,467          | 49,168     | 6,299   | 1982 A        | 788,194      | 648,168    | 140,026     | 1986 A        | 132,160      | 114,143   | 18,017   | 1981 E        | 282,554      | 85,843     | 196,711     |
| 1981 C        | 52,178          | 46,214     | 5,964   | 1984 B1       | 111,811      | 32,982     | 78,829      | 1982 C        | 22,013       | 35,707    | - 13,694 | 1987 A        | 316,505      | 139,536    | 176,969     |
| 1980 C        | 17,038          | 12,493     | 4,545   | 1986 A        | 2,570,604    | 2,499,290  | 71,314      | 1983 A        | 58,278       | 45,849    | 12,429   | 1985 E        | 263,423      | 92,747     | 170,676     |
| 1987 C        | 24,043          | 22,032     | 2,011   | 1982 B1       | 81,256       | 15,857     | 65,399      | 1984 A        | 68,021       | 78,189    | - 8,168  | 1981 A        | 291,995      | 122,103    | 169,892     |
| 1986 A        | 568,753         | 567,032    | 1,721   | 1980 A        | 621,313      | 682,477    | - 61,164    | 1981 C        | 15,393       | 20,940    | - 5,547  | 1986 E        | 247,375      | 88,320     | 159,055     |
| 1984 C        | 23,193          | 24,708     | - 1,515 | 1981 A        | 450,332      | 504,906    | - 54,574    | 1985 A        | 73,507       | 70,346    | 3,161    | 1980 A        | 265,535      | 107,709    | 157,826     |
| 1986 C        | 17,300          | 18,560     | - 1,260 | 1983 B1       | 60,823       | 12,828     | 47,995      | 1981 A        | 23,369       | 20,290    | 3,079    | 1987 E        | 209,777      | 62,603     | 147,174     |
| 1985 A        | 664,104         | 662,849    | 1,255   | 1980 B1       | 83,700       | 56,815     | 26,885      | 1980 A        | 67,976       | 66,722    | 1,254    | 1983 E        | 158,721      | 33,821     | 124,900     |
| 1987 A        | 237,934         | 238,779    | - 845   | 1986 B1       | 28,115       | 3,266      | 24,849      | 1987 A        | 31,163       | 31,511    | - 348    | 1983 B1       | 179,939      | 85,493     | 94,446      |
| 1980 B2       | 45,021          | 45,021     | 0       | 1980 B2       | 27,577       | 27,577     | 0           | 1980 B2       | 19,287       | 19,287    | 0        | 1982 B1       | 185,770      | 101,193    | 84,577      |
| 1981 B2       | 41,254          | 41,254     | 0       | 1981 B2       | 14,484       | 14,484     | 0           | 1981 B2       | 6,719        | 6,719     | 0        | 1987 B1       | 173,432      | 107,446    | 65,986      |
| 1982 B2       | 29,239          | 29,239     | 0       | 1982 B2       | 2,128        | 2,128      | 0           | 1982 B2       | 725          | 725       | 0        | 1984 E        | 100,950      | 46,900     | 54,050      |
| 1983 B2       | 41,383          | 41,383     | 0       | 1983 B2       | 2,977        | 2,977      | 0           | 1983 B2       | 2,061        | 2,061     | 0        | 1986 B1       | 148,406      | 97,366     | 51,040      |
| 1984 B2       | 35,358          | 35,358     | 0       | 1984 B2       | 7,041        | 7,041      | 0           | 1984 B2       | 2,492        | 2,492     | 0        | 1985 B1       | 193,749      | 149,071    | 44,678      |
| 1985 B2       | 41,169          | 41,169     | 0       | 1985 B2       | 5,756        | 5,756      | 0           | 1985 B2       | 672          | 672       | 0        | 1980 B1       | 156,783      | 125,848    | 30,935      |
| 1986 B2       | 34,394          | 34,394     | 0       | 1986 B2       | 200          | 200        | 0           | 1986 B2       | 417          | 417       | 0        | 1984 B1       | 142,202      | 111,664    | 30,538      |
| 1987 B2       | 24,710          | 24,710     | 0       | 1987 B2       | 6,896        | 6,896      | 0           | 1987 B2       | 2,729        | 2,729     | 0        | 1986 C        | 151,083      | 180,430    | - 29,347    |
| 1980 D        | 1,778           | 1,778      | 0       | 1980 D        | 0            | 0          | 0           | 1980 D        | 46,390       | 46,390    | 0        | 1983 C        | 108,861      | 134,481    | - 25,620    |
| 1981 D        | 50              | 50         | 0       | 1981 D        | 346,601      | 346,601    | 0           | 1981 D        | 6,469        | 6,469     | 0        | 1984 C        | 78,004       | 94,610     | - 16,606    |
| 1982 D        | 250             | 250        | 0       | 1982 D        | 0            | 0          | 0           | 1982 D        | 62,802       | 62,802    | 0        | 1985 C        | 78,112       | 93,267     | - 15,155    |
| 1983 D        | 0               | 0          | 0       | 1983 D        | 326,585      | 326,585    | 0           | 1983 D        | 8,568        | 8,568     | 0        | 1982 C        | 64,796       | 77,105     | - 12,309    |
| 1984 D        | 0               | 0          | 0       | 1984 D        | 0            | 0          | 0           | 1984 D        | 13,357       | 13,357    | 0        | 1987 C        | 89,938       | 101,962    | - 12,024    |
| 1985 D        | 0               | 0          | 0       | 1985 D        | 1,204,356    | 1,204,356  | 0           | 1985 D        | 178,051      | 178,051   | 0        | 1980 C        | 79,975       | 88,989     | - 9,014     |
| 1986 D        | 0               | 0          | 0       | 1986 D        | 0            | 0          | 0           | 1986 D        | 30,850       | 30,850    | 0        | 1981 C        | 56,748       | 64,747     | - 7,999     |
| 1987 D        | 0               | 0          | 0       | 1987 D        | 1,083,506    | 1,083,506  | 0           | 1987 D        | 27,019       | 27,019    | 0        | 1981 B1       | 104,411      | 101,452    | 2,959       |
| 1980 E        | 459,507         | 459,507    | 0       | 1980 E        | 0            | 0          | 0           | 1980 E        | 256,874      | 256,874   | 0        | 1980 B2       | 13,274       | 13,274     | 0           |
| 1981 E        | 1,283,922       | 1,283,922  | 0       | 1981 E        | 3,900,076    | 3,900,076  | 0           | 1981 E        | 7,771        | 7,771     | 0        | 1981 B2       | 6,391        | 6,391      | 0           |
| 1982 E        | 2,856,000       | 2,856,000  | 0       | 1982 E        | 0            | 0          | 0           | 1982 E        | 57,107       | 57,107    | 0        | 1982 B2       | 16,104       | 16,104     | 0           |
| 1983 E        | 370,985         | 370,985    | 0       | 1983 E        | 1,818,920    | 1,818,920  | 0           | 1983 E        | 6,410        | 6,410     | 0        | 1983 B2       | 14,579       | 14,579     | 0           |
| 1984 E        | 1,635,000       | 1,635,000  | 0       | 1984 E        | 0            | 0          | 0           | 1984 E        | 5,592        | 5,592     | 0        | 1984 B2       | 5,378        | 5,378      | 0           |
| 1985 E        | 2,914,483       | 2,914,483  | 0       | 1985 E        | 3,848,144    | 3,848,144  | 0           | 1985 E        | 135,109      | 135,109   | 0        | 1985 B2       | 4,095        | 4,095      | 0           |
| 1986 E        | 2,722,000       | 2,722,000  | 0       | 1986 E        | 0            | 0          | 0           | 1986 E        | 80,883       | 80,883    | 0        | 1986 B2       | 4,072        | 4,072      | 0           |
| 1987 E        | 1,921,000       | 1,921,000  | 0       | 1987 E        | 1,451,608    | 1,451,608  | 0           | 1987 E        | 38,056       | 38,056    | 0        | 1987 B2       | 11,379       | 11,379     | 0           |
| TOTAL         | 19,746,816      | 19,220,453 | 553,197 | TOTAL         | 38,075,787   | 40,258,608 | 8,370,121   | TOTAL         | 2,728,022    | 2,535,248 | 734,346  | TOTAL         | 14,689,002   | 15,249,790 | 8,902,634   |

Table 4.2a Comparison of sockeye interceptions before/after work by the Technical Committees. Interception estimates have been ranked in descending order of the absolute differences for the "after" estimates. Rankings were done for each technical committee (TC). NB = Northern Boundary, TB = Transboundary, FR = Fraser River.

| YEAR /<br>CATEGORY | SOCKEYE - BEFORE |            |       |           | YEAR /<br>CATEGORY | SOCKEYE - AFTER |            |         |    |
|--------------------|------------------|------------|-------|-----------|--------------------|-----------------|------------|---------|----|
|                    | CANADA           | U.S.       | DIFF. | TC        |                    | CANADA          | U.S.       | DIFF.   | TC |
| 1980 D             | 0                | 4,600      | -     | 4,600     | FR                 | 1,778           | 1,778      | 0       | FR |
| 1981 D             | 0                | 2,800      | -     | 2,800     | FR                 | 50              | 50         | 0       | FR |
| 1982 D             | 0                | 2,900      | -     | 2,900     | FR                 | 250             | 250        | 0       | FR |
| 1983 D             | 0                | 2,200      | -     | 2,200     | FR                 | 0               | 0          | 0       | FR |
| 1984 D             | 0                | 2,100      | -     | 2,100     | FR                 | 0               | 0          | 0       | FR |
| 1985 D             | 0                | 1,100      | -     | 1,100     | FR                 | 0               | 0          | 0       | FR |
| 1986 D             | 0                | 1,400      | -     | 1,400     | FR                 | 0               | 0          | 0       | FR |
| 1987 D             | 0                | 1,000      | -     | 1,000     | FR                 | 0               | 0          | 0       | FR |
| 1980 E             | 464,569          | 646,600    | -     | 182,031   | FR                 | 459,507         | 459,507    | 0       | FR |
| 1981 E             | 1,292,909        | 1,290,200  | -     | 2,709     | FR                 | 1,283,922       | 1,283,922  | 0       | FR |
| 1982 E             | 2,863,000        | 2,866,400  | -     | 3,400     | FR                 | 2,856,000       | 2,856,000  | 0       | FR |
| 1983 E             | 463,700          | 368,900    | -     | 94,800    | FR                 | 370,985         | 370,985    | 0       | FR |
| 1984 E             | 1,640,000        | 1,639,800  | -     | 200       | FR                 | 1,635,000       | 1,635,000  | 0       | FR |
| 1985 E             | 2,933,100        | 2,923,000  | -     | 10,100    | FR                 | 2,914,483       | 2,914,483  | 0       | FR |
| 1986 E             | 2,760,000        | 2,746,000  | -     | 14,000    | FR                 | 2,722,000       | 2,722,000  | 0       | FR |
| 1987 E             | 1,948,000        | 1,942,000  | -     | 6,000     | FR                 | 1,921,000       | 1,921,000  | 0       | FR |
| 1983 A             | 698,805          | 514,406    | -     | 184,399   | NB                 | 741,847         | 647,434    | 94,413  | NB |
| 1982 A             | 445,427          | 441,280    | -     | 4,147     | NB                 | 496,399         | 427,764    | 68,635  | NB |
| 1981 A             | 404,872          | 399,877    | -     | 4,995     | NB                 | 443,629         | 383,319    | 60,310  | NB |
| 1980 A             | 475,452          | 457,081    | -     | 18,371    | NB                 | 502,505         | 444,843    | 57,662  | NB |
| 1984 A             | 382,943          | 357,275    | -     | 25,668    | NB                 | 404,659         | 352,790    | 51,869  | NB |
| 1985 C             | 76,564           | 19,465     | -     | 57,099    | NB                 | 71,384          | 55,379     | 16,005  | NB |
| 1983 C             | 5,833            | 3,217      | -     | 2,616     | NB                 | 11,002          | 20,799     | 9,797   | NB |
| 1982 C             | 175,336          | 26,118     | -     | 149,218   | NB                 | 55,467          | 49,168     | 6,299   | NB |
| 1981 C             | 53,219           | 16,780     | -     | 36,439    | NB                 | 52,178          | 46,214     | 5,964   | NB |
| 1980 C             | 17,521           | 5,385      | -     | 12,136    | NB                 | 17,038          | 12,493     | 4,545   | NB |
| 1987 C             | 23,141           | 8,925      | -     | 14,216    | NB                 | 24,043          | 22,032     | 2,011   | NB |
| 1986 A             | 555,450          | 573,823    | -     | 18,373    | NB                 | 568,753         | 567,032    | 1,721   | NB |
| 1984 C             | 41,200           | 8,504      | -     | 32,696    | NB                 | 23,193          | 24,708     | 1,515   | NB |
| 1986 C             | 16,609           | 6,842      | -     | 9,767     | NB                 | 17,300          | 18,560     | 1,260   | NB |
| 1985 A             | 639,685          | 684,865    | -     | 45,180    | NB                 | 664,104         | 662,849    | 1,255   | NB |
| 1987 A             | 303,093          | 293,849    | -     | 9,244     | NB                 | 237,934         | 238,779    | 845     | NB |
| 1985 B1            | 141,516          | 119,116    | -     | 22,400    | TB                 | 140,121         | 115,745    | 24,376  | TB |
| 1983 B1            | 69,612           | 47,159     | -     | 22,453    | TB                 | 70,819          | 48,368     | 22,451  | TB |
| 1981 B1            | 116,877          | 88,197     | -     | 28,680    | TB                 | 113,428         | 91,499     | 21,929  | TB |
| 1984 B1            | 104,432          | 79,046     | -     | 25,386    | TB                 | 104,122         | 83,051     | 21,071  | TB |
| 1980 B1            | 167,549          | 133,622    | -     | 33,927    | TB                 | 167,626         | 146,777    | 20,849  | TB |
| 1986 B1            | 109,034          | 85,348     | -     | 23,686    | TB                 | 114,158         | 93,326     | 20,832  | TB |
| 1982 B1            | 160,712          | 130,552    | -     | 30,160    | TB                 | 159,766         | 138,981    | 20,785  | TB |
| 1987 B1            | 100,910          | 78,208     | -     | 22,702    | TB                 | 87,838          | 71,040     | 16,798  | TB |
| 1980 B2            | 45,021           | 45,021     | -     | 0         | TB                 | 45,021          | 45,021     | 0       | TB |
| 1981 B2            | 41,254           | 41,146     | -     | 108       | TB                 | 41,254          | 41,254     | 0       | TB |
| 1982 B2            | 29,239           | 28,684     | -     | 555       | TB                 | 29,239          | 29,239     | 0       | TB |
| 1983 B2            | 41,383           | 41,276     | -     | 107       | TB                 | 41,383          | 41,383     | 0       | TB |
| 1984 B2            | 35,358           | 35,269     | -     | 89        | TB                 | 35,358          | 35,358     | 0       | TB |
| 1985 B2            | 41,169           | 41,158     | -     | 11        | TB                 | 41,169          | 41,169     | 0       | TB |
| 1986 B2            | 34,394           | 34,454     | -     | 60        | TB                 | 34,394          | 34,394     | 0       | TB |
| 1987 B2            | 24,710           | 24,710     | -     | 0         | TB                 | 24,710          | 24,710     | 0       | TB |
| TOTAL              | 19,943,598       | 19,311,658 | -     | 1,166,228 | TOTAL              | 19,746,816      | 19,220,453 | 553,197 |    |

Table 4.2b Comparison of pink interceptions before/after work by the Technical Committees. Interception estimates have been ranked in descending order of the absolute differences for the "after" estimates. Rankings were done for each technical committee (TC). NB = Northern Boundary, TB = Transboundary, FR = Fraser River.

| YEAR /<br>CATEGORY | PINK - BEFORE |            |             |    | YEAR /<br>CATEGORY | PINK - AFTER |            |             |    |
|--------------------|---------------|------------|-------------|----|--------------------|--------------|------------|-------------|----|
|                    | CANADA        | U.S.       | DIFF.       | TC |                    | CANADA       | U.S.       | DIFF.       | TC |
| 1980 D             | 0             | 0          | 0           | FR | 1980 D             | 0            | 0          | 0           | FR |
| 1981 D             | 384,758       | 595,000    | - 210,242   | FR | 1981 D             | 346,601      | 346,601    | 0           | FR |
| 1982 D             | 0             | 0          | 0           | FR | 1982 D             | 0            | 0          | 0           | FR |
| 1983 D             | 381,838       | 203,200    | 178,638     | FR | 1983 D             | 326,585      | 326,585    | 0           | FR |
| 1984 D             | 0             | 0          | 0           | FR | 1984 D             | 0            | 0          | 0           | FR |
| 1985 D             | 1,278,107     | 331,400    | 946,707     | FR | 1985 D             | 1,204,356    | 1,204,356  | 0           | FR |
| 1986 D             | 0             | 0          | 0           | FR | 1986 D             | 0            | 0          | 0           | FR |
| 1987 D             | 970,209       | 880,000    | 90,209      | FR | 1987 D             | 1,083,506    | 1,083,506  | 0           | FR |
| 1980 E             | 0             | 200        | 200         | FR | 1980 E             | 0            | 0          | 0           | FR |
| 1981 E             | 3,895,424     | 3,912,100  | - 16,676    | FR | 1981 E             | 3,900,076    | 3,900,076  | 0           | FR |
| 1982 E             | 0             | 900        | 900         | FR | 1982 E             | 0            | 0          | 0           | FR |
| 1983 E             | 1,822,607     | 1,805,800  | 16,807      | FR | 1983 E             | 1,818,920    | 1,818,920  | 0           | FR |
| 1984 E             | 0             | 100        | 100         | FR | 1984 E             | 0            | 0          | 0           | FR |
| 1985 E             | 3,871,679     | 3,801,000  | 70,679      | FR | 1985 E             | 3,848,144    | 3,848,144  | 0           | FR |
| 1986 E             | 0             | 1,100      | 1,100       | FR | 1986 E             | 0            | 0          | 0           | FR |
| 1987 E             | 1,270,700     | 1,942,000  | - 671,300   | FR | 1987 E             | 1,451,608    | 1,451,608  | 0           | FR |
| 1987 C             | 754,016       | 3,706,001  | - 2,951,985 | NB | 1987 C             | 904,077      | 3,211,766  | - 2,307,689 | NB |
| 1983 C             | 2,743,179     | 4,194,143  | - 1,450,964 | NB | 1983 C             | 3,143,679    | 4,235,083  | - 1,091,404 | NB |
| 1983 A             | 2,355,550     | 1,660,051  | 695,499     | NB | 1983 A             | 2,372,847    | 1,844,293  | 528,554     | NB |
| 1987 A             | 972,351       | 292,453    | 679,898     | NB | 1987 A             | 1,044,218    | 287,097    | 757,121     | NB |
| 1982 C             | 558,276       | 909,325    | - 351,049   | NB | 1982 C             | 521,120      | 883,167    | - 362,047   | NB |
| 1981 C             | 583,708       | 927,864    | - 344,156   | NB | 1981 C             | 564,149      | 952,145    | - 387,996   | NB |
| 1984 C             | 2,632,833     | 2,302,830  | 330,003     | NB | 1984 C             | 2,017,676    | 2,183,717  | - 166,041   | NB |
| 1985 A             | 1,125,493     | 1,430,958  | - 305,465   | NB | 1985 A             | 1,181,072    | 1,624,320  | - 443,248   | NB |
| 1982 A             | 762,438       | 630,217    | 132,221     | NB | 1982 A             | 788,194      | 648,168    | 140,026     | NB |
| 1984 A             | 1,393,526     | 1,275,665  | 117,861     | NB | 1984 A             | 1,466,413    | 1,316,707  | 149,706     | NB |
| 1980 C             | 1,013,473     | 1,113,624  | - 100,151   | NB | 1980 C             | 998,372      | 1,164,109  | - 165,737   | NB |
| 1980 A             | 595,430       | 675,169    | - 79,739    | NB | 1980 A             | 621,313      | 682,477    | - 61,164    | NB |
| 1986 C             | 2,810,874     | 2,755,587  | 55,287      | NB | 1986 C             | 1,971,175    | 2,207,746  | - 236,571   | NB |
| 1986 A             | 2,529,487     | 2,495,062  | 34,425      | NB | 1986 A             | 2,570,604    | 2,499,290  | 71,314      | NB |
| 1981 A             | 481,311       | 506,170    | - 24,859    | NB | 1981 A             | 450,332      | 504,906    | - 54,574    | NB |
| 1985 C             | 1,756,755     | 1,750,481  | 6,274       | NB | 1985 C             | 1,825,695    | 1,500,076  | 325,619     | NB |
| 1985 B1            | 1,158,012     | 83,702     | 1,074,310   | TB | 1985 B1            | 498,574      | 103,202    | 395,372     | TB |
| 1982 B1            | 758,249       | 11,192     | 747,057     | TB | 1982 B1            | 81,256       | 15,857     | 65,399      | TB |
| 1987 B1            | 626,740       | 87,937     | 538,803     | TB | 1987 B1            | 422,380      | 123,374    | 299,006     | TB |
| 1984 B1            | 340,187       | 25,084     | 315,103     | TB | 1984 B1            | 111,811      | 32,982     | 78,829      | TB |
| 1981 B1            | 394,251       | 116,738    | 277,513     | TB | 1981 B1            | 301,337      | 118,362    | 182,975     | TB |
| 1980 B1            | 288,479       | 39,820     | 248,659     | TB | 1980 B1            | 83,700       | 56,815     | 26,885      | TB |
| 1983 B1            | 242,537       | 8,983      | 233,554     | TB | 1983 B1            | 60,823       | 12,828     | 47,995      | TB |
| 1986 B1            | 65,297        | 2,935      | 62,362      | TB | 1986 B1            | 28,115       | 3,266      | 24,849      | TB |
| 1980 B2            | 27,557        | 27,577     | - 20        | TB | 1980 B2            | 27,577       | 27,577     | 0           | TB |
| 1981 B2            | 14,628        | 14,628     | 0           | TB | 1981 B2            | 14,484       | 14,484     | 0           | TB |
| 1982 B2            | 2,044         | 2,044      | 0           | TB | 1982 B2            | 2,128        | 2,128      | 0           | TB |
| 1983 B2            | 2,994         | 2,994      | 0           | TB | 1983 B2            | 2,977        | 2,977      | 0           | TB |
| 1984 B2            | 7,026         | 7,026      | 0           | TB | 1984 B2            | 7,041        | 7,041      | 0           | TB |
| 1985 B2            | 5,729         | 5,729      | 0           | TB | 1985 B2            | 5,756        | 5,756      | 0           | TB |
| 1986 B2            | 166           | 166        | 0           | TB | 1986 B2            | 200          | 200        | 0           | TB |
| 1987 B2            | 6,896         | 7,149      | - 253       | TB | 1987 B2            | 6,896        | 6,896      | 0           | TB |
| TOTAL              | 40,884,814    | 40,542,104 | 13,361,028  |    | TOTAL              | 38,075,787   | 40,258,608 | 8,370,121   |    |

Table 4.2c Comparison of chum interceptions before/after work by the Technical Committees. Interception estimates have been ranked in descending order of the absolute differences for the "after" estimates. Rankings were done for each technical committee (TC). NB = Northern Boundary, TB = Transboundary, CM = Chum.

| YEAR /<br>CATEGORY | CHUM - BEFORE |           |       |         | YEAR /<br>CATEGORY | CHUM - AFTER |           |           |    |         |    |
|--------------------|---------------|-----------|-------|---------|--------------------|--------------|-----------|-----------|----|---------|----|
|                    | CANADA        | U.S.      | DIFF. | TC      |                    | CANADA       | U.S.      | DIFF.     | TC |         |    |
| 1980 D             | 54,041        | 85,018    | -     | 30,977  | CM                 | 1980 D       | 46,390    | 46,390    | 0  | CM      |    |
| 1981 D             | 5,499         | 14,737    | -     | 9,238   | CM                 | 1981 D       | 6,469     | 6,469     | 0  | CM      |    |
| 1982 D             | 79,894        | 104,560   | -     | 24,666  | CM                 | 1982 D       | 62,802    | 62,802    | 0  | CM      |    |
| 1983 D             | 4,937         | 18,709    | -     | 13,772  | CM                 | 1983 D       | 8,568     | 8,568     | 0  | CM      |    |
| 1984 D             | 3,652         | 15,490    | -     | 11,838  | CM                 | 1984 D       | 13,357    | 13,357    | 0  | CM      |    |
| 1985 D             | 176,019       | 244,993   | -     | 68,974  | CM                 | 1985 D       | 178,051   | 178,051   | 0  | CM      |    |
| 1986 D             | 55,857        | 64,141    | -     | 8,284   | CM                 | 1986 D       | 30,850    | 30,850    | 0  | CM      |    |
| 1987 D             | 25,644        | 54,576    | -     | 28,932  | CM                 | 1987 D       | 27,019    | 27,019    | 0  | CM      |    |
| 1980 E             | 285,352       | 254,942   |       | 30,410  | CM                 | 1980 E       | 256,874   | 256,874   | 0  | CM      |    |
| 1981 E             | 8,613         | 7,302     |       | 1,311   | CM                 | 1981 E       | 7,771     | 7,771     | 0  | CM      |    |
| 1982 E             | 64,081        | 57,251    |       | 6,830   | CM                 | 1982 E       | 57,107    | 57,107    | 0  | CM      |    |
| 1983 E             | 8,143         | 6,353     |       | 1,790   | CM                 | 1983 E       | 6,410     | 6,410     | 0  | CM      |    |
| 1984 E             | 7,406         | 5,597     |       | 1,809   | CM                 | 1984 E       | 5,592     | 5,592     | 0  | CM      |    |
| 1985 E             | 157,901       | 135,579   |       | 22,322  | CM                 | 1985 E       | 135,109   | 135,109   | 0  | CM      |    |
| 1986 E             | 97,597        | 83,267    |       | 14,330  | CM                 | 1986 E       | 80,883    | 80,883    | 0  | CM      |    |
| 1987 E             | 42,677        | 32,018    |       | 10,659  | CM                 | 1987 E       | 38,056    | 38,056    | 0  | CM      |    |
| 1984 C             | 93,584        | 132,157   | -     | 38,573  | NB                 | 1984 C       | 93,170    | 160,962   | -  | 67,792  | NB |
| 1986 C             | 65,053        | 93,542    | -     | 28,489  | NB                 | 1986 C       | 51,526    | 102,733   | -  | 51,207  | NB |
| 1985 C             | 55,180        | 97,872    | -     | 42,692  | NB                 | 1985 C       | 51,433    | 100,412   | -  | 48,979  | NB |
| 1987 C             | 34,564        | 54,399    | -     | 19,835  | NB                 | 1987 C       | 34,187    | 68,701    | -  | 34,514  | NB |
| 1982 A             | 99,347        | 67,894    |       | 31,453  | NB                 | 1982 A       | 97,182    | 73,331    |    | 23,851  | NB |
| 1983 C             | 45,828        | 68,698    | -     | 22,870  | NB                 | 1983 C       | 45,904    | 67,147    | -  | 21,243  | NB |
| 1980 C             | 74,795        | 93,599    | -     | 18,804  | NB                 | 1980 C       | 79,720    | 99,014    | -  | 19,294  | NB |
| 1986 A             | 150,924       | 109,534   |       | 41,390  | NB                 | 1986 A       | 132,160   | 114,143   |    | 18,017  | NB |
| 1982 C             | 21,427        | 31,423    | -     | 9,996   | NB                 | 1982 C       | 22,013    | 35,707    | -  | 13,694  | NB |
| 1983 A             | 63,353        | 44,551    |       | 18,802  | NB                 | 1983 A       | 58,278    | 45,849    |    | 12,429  | NB |
| 1984 A             | 84,935        | 62,835    |       | 22,100  | NB                 | 1984 A       | 68,021    | 76,189    | -  | 8,168   | NB |
| 1981 C             | 13,330        | 21,742    | -     | 8,412   | NB                 | 1981 C       | 15,393    | 20,940    | -  | 5,547   | NB |
| 1985 A             | 90,001        | 68,576    |       | 21,425  | NB                 | 1985 A       | 73,507    | 70,346    |    | 3,161   | NB |
| 1981 A             | 23,369        | 20,775    |       | 2,594   | NB                 | 1981 A       | 23,369    | 20,290    |    | 3,079   | NB |
| 1980 A             | 67,783        | 59,624    |       | 8,159   | NB                 | 1980 A       | 67,976    | 66,722    |    | 1,254   | NB |
| 1987 A             | 41,349        | 41,447    | -     | 98      | NB                 | 1987 A       | 31,163    | 31,511    | -  | 348     | NB |
| 1980 B1            | 138,795       | 105,292   |       | 33,503  | TB                 | 1980 B1      | 220,901   | 144,833   |    | 76,068  | TB |
| 1984 B1            | 72,536        | 15,647    |       | 56,889  | TB                 | 1984 B1      | 103,239   | 39,885    |    | 63,354  | TB |
| 1987 B1            | 93,083        | 26,800    |       | 66,283  | TB                 | 1987 B1      | 105,202   | 46,955    |    | 58,247  | TB |
| 1986 B1            | 53,923        | 11,558    |       | 42,365  | TB                 | 1986 B1      | 83,442    | 28,515    |    | 54,927  | TB |
| 1985 B1            | 84,469        | 17,289    |       | 67,180  | TB                 | 1985 B1      | 97,993    | 45,871    |    | 52,122  | TB |
| 1981 B1            | 71,469        | 30,211    |       | 41,258  | TB                 | 1981 B1      | 83,279    | 47,746    |    | 35,533  | TB |
| 1983 B1            | 27,746        | 4,389     |       | 23,357  | TB                 | 1983 B1      | 44,258    | 9,981     |    | 34,277  | TB |
| 1982 B1            | 44,758        | 10,875    |       | 33,883  | TB                 | 1982 B1      | 48,296    | 21,055    |    | 27,241  | TB |
| 1980 B2            | 16,771        | 19,287    | -     | 2,516   | TB                 | 1980 B2      | 19,287    | 19,287    |    | 0       | TB |
| 1981 B2            | 6,719         | 6,719     |       | 0       | TB                 | 1981 B2      | 6,719     | 6,719     |    | 0       | TB |
| 1982 B2            | 725           | 725       |       | 0       | TB                 | 1982 B2      | 725       | 725       |    | 0       | TB |
| 1983 B2            | 2,060         | 2,064     | -     | 4       | TB                 | 1983 B2      | 2,061     | 2,061     |    | 0       | TB |
| 1984 B2            | 2,492         | 2,492     |       | 0       | TB                 | 1984 B2      | 2,492     | 2,492     |    | 0       | TB |
| 1985 B2            | 672           | 672       |       | 0       | TB                 | 1985 B2      | 672       | 672       |    | 0       | TB |
| 1986 B2            | 417           | 417       |       | 0       | TB                 | 1986 B2      | 417       | 417       |    | 0       | TB |
| 1987 B2            | 2,710         | 2,729     | -     | 19      | TB                 | 1987 B2      | 2,729     | 2,729     |    | 0       | TB |
| TOTAL              | 2,721,480     | 2,510,367 |       | 989,091 |                    | TOTAL        | 2,728,022 | 2,535,248 |    | 734,346 |    |

Table 4.2d Comparison of coho interceptions before/after work by the Technical Committees. Interception estimates have been ranked in descending order of the absolute differences for the "after" estimates. Rankings were done for each technical committee (TC). TB = Transboundary, CO = Coho.

| YEAR /<br>CATEGORY | COHO - BEFORE |            |           |    | YEAR /<br>CATEGORY | COHO - AFTER |            |             |    |
|--------------------|---------------|------------|-----------|----|--------------------|--------------|------------|-------------|----|
|                    | CANADA        | U.S.       | DIFF.     | TC |                    | CANADA       | U.S.       | DIFF.       | TC |
| 1986 D             | 1,037,397     | 1,189,115  | - 151,718 | CO | 1986 D             | 1,021,593    | 2,159,441  | - 1,137,848 | CO |
| 1985 D             | 729,794       | 1,168,013  | - 438,219 | CO | 1985 D             | 709,757      | 1,381,298  | - 671,541   | CO |
| 1986 A             | 890,319       | 358,754    | 531,565   | CO | 1986 A             | 947,931      | 306,115    | 641,816     | CO |
| 1984 D             | 962,103       | 1,424,809  | - 462,706 | CO | 1984 D             | 949,870      | 1,543,642  | - 593,772   | CO |
| 1980 D             | 835,400       | 1,239,176  | - 403,776 | CO | 1980 D             | 818,238      | 1,295,103  | - 476,865   | CO |
| 1983 D             | 946,353       | 1,358,646  | - 412,293 | CO | 1983 D             | 935,305      | 1,410,957  | - 475,652   | CO |
| 1982 D             | 816,321       | 1,212,838  | - 396,517 | CO | 1982 D             | 804,359      | 1,243,619  | - 439,260   | CO |
| 1981 D             | 730,005       | 1,104,432  | - 374,427 | CO | 1981 D             | 719,208      | 1,149,329  | - 430,121   | CO |
| 1985 A             | 554,602       | 221,792    | 332,810   | CO | 1985 A             | 582,055      | 201,175    | 380,880     | CO |
| 1987 D             | 890,114       | 1,223,578  | - 333,464 | CO | 1987 D             | 867,640      | 1,246,218  | - 378,578   | CO |
| 1984 A             | 426,866       | 177,236    | 249,630   | CO | 1984 A             | 443,093      | 151,159    | 291,934     | CO |
| 1983 A             | 460,088       | 217,676    | 242,412   | CO | 1983 A             | 472,637      | 181,209    | 291,428     | CO |
| 1980 E             | 438,771       | 152,634    | 286,137   | CO | 1980 E             | 441,387      | 152,634    | 288,753     | CO |
| 1982 A             | 440,269       | 202,784    | 237,485   | CO | 1982 A             | 463,765      | 175,171    | 288,594     | CO |
| 1982 E             | 313,897       | 82,742     | 231,155   | CO | 1982 E             | 307,848      | 82,742     | 225,106     | CO |
| 1981 E             | 283,012       | -85,843    | 197,169   | CO | 1981 E             | 282,554      | 85,843     | 196,711     | CO |
| 1987 A             | 298,453       | 159,211    | 139,242   | CO | 1987 A             | 316,505      | 139,536    | 176,969     | CO |
| 1985 E             | 261,320       | 62,674     | 198,646   | CO | 1985 E             | 263,423      | 92,747     | 170,676     | CO |
| 1981 A             | 263,056       | 148,756    | 114,300   | CO | 1981 A             | 291,995      | 122,103    | 169,892     | CO |
| 1986 E             | 248,653       | 116,378    | 132,275   | CO | 1986 E             | 247,375      | 88,320     | 159,055     | CO |
| 1980 A             | 221,401       | 125,598    | 95,803    | CO | 1980 A             | 265,535      | 107,709    | 157,826     | CO |
| 1987 E             | 217,328       | 64,093     | 153,235   | CO | 1987 E             | 209,777      | 62,603     | 147,174     | CO |
| 1983 E             | 156,785       | 34,360     | 122,425   | CO | 1983 E             | 158,721      | 33,821     | 124,900     | CO |
| 1984 E             | 92,701        | 19,218     | 73,483    | CO | 1984 E             | 100,950      | 46,900     | 54,050      | CO |
| 1986 C             | 161,994       | 176,274    | - 14,280  | CO | 1986 C             | 151,083      | 180,430    | - 29,347    | CO |
| 1983 C             | 116,349       | 133,373    | - 17,024  | CO | 1983 C             | 108,861      | 134,481    | - 25,620    | CO |
| 1984 C             | 81,477        | 95,150     | - 13,673  | CO | 1984 C             | 78,004       | 94,610     | - 16,606    | CO |
| 1985 C             | 75,306        | 89,985     | - 14,679  | CO | 1985 C             | 78,112       | 93,267     | - 15,155    | CO |
| 1982 C             | 62,275        | 76,736     | - 14,461  | CO | 1982 C             | 64,796       | 77,105     | - 12,309    | CO |
| 1987 C             | 97,520        | 102,828    | - 5,308   | CO | 1987 C             | 89,938       | 101,962    | - 12,024    | CO |
| 1980 C             | 82,625        | 93,961     | - 11,336  | CO | 1980 C             | 79,975       | 88,989     | - 9,014     | CO |
| 1981 C             | 57,705        | 82,970     | - 25,265  | CO | 1981 C             | 56,748       | 64,747     | - 7,999     | CO |
| 1983 B1            | 221,504       | 134,940    | 86,564    | TB | 1983 B1            | 179,939      | 85,493     | 94,446      | TB |
| 1982 B1            | 280,147       | 125,671    | 154,476   | TB | 1982 B1            | 185,770      | 101,193    | 84,577      | TB |
| 1987 B1            | 185,196       | 122,079    | 63,117    | TB | 1987 B1            | 173,432      | 107,446    | 65,986      | TB |
| 1986 B1            | 188,784       | 130,223    | 58,561    | TB | 1986 B1            | 148,406      | 97,366     | 51,040      | TB |
| 1985 B1            | 281,628       | 126,703    | 154,925   | TB | 1985 B1            | 193,749      | 149,071    | 44,678      | TB |
| 1980 B1            | 202,354       | 130,464    | 71,890    | TB | 1980 B1            | 156,783      | 125,848    | 30,935      | TB |
| 1984 B1            | 225,876       | 124,709    | 101,167   | TB | 1984 B1            | 142,202      | 111,664    | 30,538      | TB |
| 1981 B1            | 125,071       | 132,414    | - 7,343   | TB | 1981 B1            | 104,411      | 101,452    | 2,959       | TB |
| 1980 B2            | 13,234        | 13,274     | - 40      | TB | 1980 B2            | 13,274       | 13,274     | 0           | TB |
| 1981 B2            | 6,391         | 6,382      | 9         | TB | 1981 B2            | 6,391        | 6,391      | 0           | TB |
| 1982 B2            | 16,104        | 15,995     | 109       | TB | 1982 B2            | 16,104       | 16,104     | 0           | TB |
| 1983 B2            | 14,663        | 14,663     | 0         | TB | 1983 B2            | 14,579       | 14,579     | 0           | TB |
| 1984 B2            | 5,378         | 5,458      | - 80      | TB | 1984 B2            | 5,378        | 5,378      | 0           | TB |
| 1985 B2            | 4,095         | 4,095      | 0         | TB | 1985 B2            | 4,095        | 4,095      | 0           | TB |
| 1986 B2            | 4,072         | 4,066      | 6         | TB | 1986 B2            | 4,072        | 4,072      | 0           | TB |
| 1987 B2            | 11,379        | 11,353     | 26        | TB | 1987 B2            | 11,379       | 11,379     | 0           | TB |
| TOTAL              | 15,036,135    | 14,104,122 | 7,125,231 |    | TOTAL              | 14,689,002   | 15,249,790 | 8,902,634   |    |

Table 4.2e Comparison of chinook interceptions before/after work by the Technical Committees. Interception estimates have been ranked in descending order of the absolute differences for the "before" estimates. Rankings were done for each technical committee (TC). TB = Transboundary, CH = Chinook.

| YEAR /<br>CATEGORY | CHINOOK - BEFORE |           |           |    | YEAR /<br>CATEGORY | CHINOOK - AFTER |       |       |    |
|--------------------|------------------|-----------|-----------|----|--------------------|-----------------|-------|-------|----|
|                    | CANADA           | U.S.      | DIFF.     | TC |                    | CANADA          | U.S.  | DIFF. | TC |
| 1983 A             | 233,443          | 122,165   | 111,278   | CH | 1983 A             | NA              | NA    | 0     | CH |
| 1980 A             | 228,887          | 125,829   | 103,058   | CH | 1980 A             | NA              | NA    | 0     | CH |
| 1982 A             | 228,099          | 128,307   | 99,792    | CH | 1982 A             | NA              | NA    | 0     | CH |
| 1984 A             | 197,220          | 110,676   | 86,544    | CH | 1984 A             | NA              | NA    | 0     | CH |
| 1981 A             | 190,145          | 111,184   | 78,961    | CH | 1981 A             | NA              | NA    | 0     | CH |
| 1985 A             | 176,992          | 99,147    | 77,845    | CH | 1985 A             | NA              | NA    | 0     | CH |
| 1987 A             | 141,570          | 76,949    | 64,621    | CH | 1987 A             | NA              | NA    | 0     | CH |
| 1986 A             | 158,153          | 104,198   | 53,955    | CH | 1986 A             | NA              | NA    | 0     | CH |
| 1980 E             | 73,089           | 35,274    | 37,815    | CH | 1980 E             | NA              | NA    | 0     | CH |
| 1985 D             | 552,852          | 523,639   | 29,213    | CH | 1985 D             | NA              | NA    | 0     | CH |
| 1984 D             | 586,323          | 559,269   | 27,054    | CH | 1984 D             | NA              | NA    | 0     | CH |
| 1983 E             | 45,695           | 18,715    | 26,980    | CH | 1983 E             | NA              | NA    | 0     | CH |
| 1982 D             | 593,038          | 568,192   | 24,846    | CH | 1982 D             | NA              | NA    | 0     | CH |
| 1984 E             | 36,624           | 12,099    | 24,525    | CH | 1984 E             | NA              | NA    | 0     | CH |
| 1982 E             | 46,506           | 22,877    | 23,629    | CH | 1982 E             | NA              | NA    | 0     | CH |
| 1981 E             | 52,746           | 29,481    | 23,265    | CH | 1981 E             | NA              | NA    | 0     | CH |
| 1986 D             | 577,722          | 560,460   | 17,262    | CH | 1986 D             | NA              | NA    | 0     | CH |
| 1983 D             | 468,959          | 452,265   | 16,694    | CH | 1983 D             | NA              | NA    | 0     | CH |
| 1980 D             | 534,007          | 520,240   | 13,767    | CH | 1980 D             | NA              | NA    | 0     | CH |
| 1981 D             | 485,924          | 473,471   | 12,453    | CH | 1981 D             | NA              | NA    | 0     | CH |
| 1985 E             | 22,025           | 10,207    | 11,818    | CH | 1985 E             | NA              | NA    | 0     | CH |
| 1986 E             | 17,645           | 9,491     | 8,154     | CH | 1986 E             | NA              | NA    | 0     | CH |
| 1985 C             | 0                | 5,148     | - 5,148   | CH | 1985 C             | NA              | NA    | 0     | CH |
| 1982 C             | 0                | 5,115     | - 5,115   | CH | 1982 C             | NA              | NA    | 0     | CH |
| 1987 E             | 17,326           | 12,508    | 4,818     | CH | 1987 E             | NA              | NA    | 0     | CH |
| 1984 C             | 0                | 4,609     | - 4,609   | CH | 1984 C             | NA              | NA    | 0     | CH |
| 1987 C             | 0                | 4,580     | - 4,580   | CH | 1987 C             | NA              | NA    | 0     | CH |
| 1981 C             | 0                | 4,209     | - 4,209   | CH | 1981 C             | NA              | NA    | 0     | CH |
| 1980 C             | 0                | 4,047     | - 4,047   | CH | 1980 C             | NA              | NA    | 0     | CH |
| 1986 C             | 0                | 3,914     | - 3,914   | CH | 1986 C             | NA              | NA    | 0     | CH |
| 1983 C             | 0                | 3,794     | - 3,794   | CH | 1983 C             | NA              | NA    | 0     | CH |
| 1987 D             | 553,222          | 550,183   | 3,039     | CH | 1987 D             | NA              | NA    | 0     | CH |
| 1980 B1            | 65,940           | 5,561     | 60,379    | TB | 1980 B1            | NA              | NA    | 0     | TB |
| 1981 B1            | 62,118           | 6,309     | 55,809    | TB | 1981 B1            | NA              | NA    | 0     | TB |
| 1982 B1            | 46,911           | 5,201     | 41,710    | TB | 1982 B1            | NA              | NA    | 0     | TB |
| 1984 B1            | 28,083           | 2,372     | 25,711    | TB | 1984 B1            | NA              | NA    | 0     | TB |
| 1987 B1            | 27,720           | 4,639     | 23,081    | TB | 1987 B1            | NA              | NA    | 0     | TB |
| 1986 B1            | 24,237           | 3,445     | 20,792    | TB | 1986 B1            | NA              | NA    | 0     | TB |
| 1985 B1            | 23,212           | 3,365     | 19,847    | TB | 1985 B1            | NA              | NA    | 0     | TB |
| 1983 B1            | 19,030           | 1,483     | 17,547    | TB | 1983 B1            | NA              | NA    | 0     | TB |
| 1987 B2            | 2,818            | 3,330     | - 512     | TB | 1987 B2            | 2,818           | 2,818 | 0     | TB |
| 1982 B2            | 3,065            | 2,641     | 424       | TB | 1982 B2            | 3,065           | 3,065 | 0     | TB |
| 1981 B2            | 2,182            | 2,017     | 165       | TB | 1981 B2            | 2,182           | 2,182 | 0     | TB |
| 1984 B2            | 1,571            | 1,696     | - 125     | TB | 1984 B2            | 1,571           | 1,571 | 0     | TB |
| 1985 B2            | 1,862            | 1,737     | 125       | TB | 1985 B2            | 1,862           | 1,862 | 0     | TB |
| 1980 B2            | 2,806            | 2,756     | 50        | TB | 1980 B2            | 2,806           | 2,806 | 0     | TB |
| 1986 B2            | 2,478            | 2,441     | 37        | TB | 1986 B2            | 2,478           | 2,478 | 0     | TB |
| 1983 B2            | 2,401            | 2,389     | 12        | TB | 1983 B2            | 2,401           | 2,401 | 0     | TB |
| TOTAL              | 6,534,646        | 5,323,624 | 1,283,128 |    | TOTAL              | NA              | NA    | 0     |    |

Table 4.3a Comparison of sockeye interceptions, sorted by year and category, before/after work by the Technical Committees (TC).

| YEAR /<br>CATEGORY | SOCKEYE - BEFORE |            |           |    | YEAR /<br>CATEGORY | SOCKEYE - AFTER |            |          |    |
|--------------------|------------------|------------|-----------|----|--------------------|-----------------|------------|----------|----|
|                    | CANADA           | U.S.       | DIFF.     | TC |                    | CANADA          | U.S.       | DIFF.    | TC |
| 1980 A             | 475,452          | 457,081    | 18,371    | NB | 1980 A             | 502,505         | 444,843    | 57,662   | NB |
| 1980 B1            | 167,549          | 133,622    | 33,927    | TB | 1980 B1            | 167,626         | 146,777    | 20,849   | TB |
| 1980 B2            | 45,021           | 45,021     | 0         | TB | 1980 B2            | 45,021          | 45,021     | 0        | TB |
| 1980 C             | 17,521           | 5,385      | 12,136    | NB | 1980 C             | 17,038          | 12,493     | 4,545    | NB |
| 1980 D             | 0                | 4,600      | - 4,600   | FR | 1980 D             | 1,778           | 1,778      | 0        | FR |
| 1980 E             | 464,569          | 646,600    | - 182,031 | FR | 1980 E             | 459,507         | 459,507    | 0        | FR |
| 1981 A             | 404,872          | 399,877    | 4,995     | NB | 1981 A             | 443,629         | 383,319    | 60,310   | NB |
| 1981 B1            | 116,877          | 88,197     | 28,680    | TB | 1981 B1            | 113,428         | 91,499     | 21,929   | TB |
| 1981 B2            | 41,254           | 41,146     | 108       | TB | 1981 B2            | 41,254          | 41,254     | 0        | TB |
| 1981 C             | 53,219           | 16,780     | 36,439    | NB | 1981 C             | 52,178          | 46,214     | 5,964    | NB |
| 1981 D             | 0                | 2,800      | - 2,800   | FR | 1981 D             | 50              | 50         | 0        | FR |
| 1981 E             | 1,292,909        | 1,290,200  | 2,709     | FR | 1981 E             | 1,283,922       | 1,283,922  | 0        | FR |
| 1982 A             | 445,427          | 441,280    | 4,147     | NB | 1982 A             | 496,399         | 427,764    | 68,635   | NB |
| 1982 B1            | 160,712          | 130,552    | 30,160    | TB | 1982 B1            | 159,766         | 138,981    | 20,785   | TB |
| 1982 B2            | 29,239           | 28,684     | 555       | TB | 1982 B2            | 29,239          | 29,239     | 0        | TB |
| 1982 C             | 175,336          | 26,118     | 149,218   | NB | 1982 C             | 55,467          | 49,168     | 6,299    | NB |
| 1982 D             | 0                | 2,900      | - 2,900   | FR | 1982 D             | 250             | 250        | 0        | FR |
| 1982 E             | 2,863,000        | 2,866,400  | - 3,400   | FR | 1982 E             | 2,856,000       | 2,856,000  | 0        | FR |
| 1983 A             | 698,805          | 514,406    | 184,399   | NB | 1983 A             | 741,847         | 647,434    | 94,413   | NB |
| 1983 B1            | 69,612           | 47,159     | 22,453    | TB | 1983 B1            | 70,819          | 48,368     | 22,451   | TB |
| 1983 B2            | 41,383           | 41,276     | 107       | TB | 1983 B2            | 41,383          | 41,383     | 0        | TB |
| 1983 C             | 5,833            | 3,217      | 2,616     | NB | 1983 C             | 11,002          | 20,799     | - 9,797  | NB |
| 1983 D             | 0                | 2,200      | - 2,200   | FR | 1983 D             | 0               | 0          | 0        | FR |
| 1983 E             | 463,700          | 368,900    | 94,800    | FR | 1983 E             | 370,985         | 370,985    | 0        | FR |
| 1984 A             | 382,943          | 357,275    | 25,668    | NB | 1984 A             | 404,659         | 352,790    | 51,869   | NB |
| 1984 B1            | 104,432          | 79,046     | 25,386    | TB | 1984 B1            | 104,122         | 83,051     | 21,071   | TB |
| 1984 B2            | 35,358           | 35,269     | 89        | TB | 1984 B2            | 35,358          | 35,358     | 0        | TB |
| 1984 C             | 41,200           | 8,504      | 32,696    | NB | 1984 C             | 23,193          | 24,708     | - 1,515  | NB |
| 1984 D             | 0                | 2,100      | - 2,100   | FR | 1984 D             | 0               | 0          | 0        | FR |
| 1984 E             | 1,640,000        | 1,639,800  | 200       | FR | 1984 E             | 1,635,000       | 1,635,000  | 0        | FR |
| 1985 A             | 639,685          | 684,865    | - 45,180  | NB | 1985 A             | 664,104         | 662,849    | 1,255    | NB |
| 1985 B1            | 141,516          | 119,116    | 22,400    | TB | 1985 B1            | 140,121         | 115,745    | 24,376   | TB |
| 1985 B2            | 41,169           | 41,158     | 11        | TB | 1985 B2            | 41,169          | 41,169     | 0        | TB |
| 1985 C             | 76,564           | 19,465     | 57,099    | NB | 1985 C             | 71,384          | 55,379     | 16,005   | NB |
| 1985 D             | 0                | 1,100      | - 1,100   | FR | 1985 D             | 0               | 0          | 0        | FR |
| 1985 E             | 2,933,100        | 2,923,000  | 10,100    | FR | 1985 E             | 2,914,483       | 2,914,483  | 0        | FR |
| 1986 A             | 555,450          | 573,823    | - 18,373  | NB | 1986 A             | 568,753         | 567,032    | 1,721    | NB |
| 1986 B1            | 109,034          | 85,348     | 23,686    | TB | 1986 B1            | 114,158         | 93,326     | 20,832   | TB |
| 1986 B2            | 34,394           | 34,454     | - 60      | TB | 1986 B2            | 34,394          | 34,394     | 0        | TB |
| 1986 C             | 16,609           | 6,842      | 9,767     | NB | 1986 C             | 17,300          | 18,560     | - 1,260  | NB |
| 1986 D             | 0                | 1,400      | - 1,400   | FR | 1986 D             | 0               | 0          | 0        | FR |
| 1986 E             | 2,760,000        | 2,746,000  | 14,000    | FR | 1986 E             | 2,722,000       | 2,722,000  | 0        | FR |
| 1987 A             | 303,093          | 293,849    | 9,244     | NB | 1987 A             | 237,934         | 238,779    | - 845    | NB |
| 1987 B1            | 100,910          | 78,208     | 22,702    | TB | 1987 B1            | 87,838          | 71,040     | 16,798   | TB |
| 1987 B2            | 24,710           | 24,710     | 0         | TB | 1987 B2            | 24,710          | 24,710     | 0        | TB |
| 1987 C             | 23,141           | 8,925      | 14,216    | NB | 1987 C             | 24,043          | 22,032     | 2,011    | NB |
| 1987 D             | 0                | 1,000      | - 1,000   | FR | 1987 D             | 0               | 0          | 0        | FR |
| 1987 E             | 1,948,000        | 1,942,000  | 6,000     | FR | 1987 E             | 1,921,000       | 1,921,000  | 0        | FR |
|                    |                  |            |           |    | 1988 A             | 643,158         | 640,487    | 2,671    | NB |
|                    |                  |            |           |    | 1988 B1            | 53,702          | 36,741     | 16,961   | TB |
|                    |                  |            |           |    | 1988 B2            | 29,231          | 29,231     | 0        | TB |
|                    |                  |            |           |    | 1988 C             | 24,733          | 39,753     | - 15,020 | NB |
|                    |                  |            |           |    | 1988 D             | 250             | 250        | 0        | FR |
|                    |                  |            |           |    | 1988 E             | 668,000         | 668,000    | 0        | FR |
| TOTAL 80-87        | 19,943,598       | 19,311,658 | 1,166,228 |    | TOTAL 80-87        | 19,746,816      | 19,220,453 | 553,197  |    |

Table 4.3b Comparison of pink interceptions, sorted by year and category, before/after work by the Technical Committees (TC).

| YEAR/<br>CATEGORY | PINK - BEFORE |            |       |            | YEAR/<br>CATEGORY | PINK - AFTER |            |            |    |           |    |
|-------------------|---------------|------------|-------|------------|-------------------|--------------|------------|------------|----|-----------|----|
|                   | CANADA        | U.S.       | DIFF. | TC         |                   | CANADA       | U.S.       | DIFF.      | TC |           |    |
| 1980 A            | 595,430       | 675,169    | -     | 79,739     | NB                | 1980 A       | 621,313    | 682,477    | -  | 61,164    | NB |
| 1980 B1           | 288,479       | 39,820     |       | 248,659    | TB                | 1980 B1      | 83,700     | 56,815     |    | 26,885    | TB |
| 1980 B2           | 27,557        | 27,577     | -     | 20         | TB                | 1980 B2      | 27,577     | 27,577     |    | 0         | TB |
| 1980 C            | 1,013,473     | 1,113,624  | -     | 100,151    | NB                | 1980 C       | 998,372    | 1,164,109  | -  | 165,737   | NB |
| 1980 D            | 0             | 0          |       | 0          | FR                | 1980 D       | 0          | 0          |    | 0         | FR |
| 1980 E            | 0             | 200        | -     | 200        | FR                | 1980 E       | 0          | 0          |    | 0         | FR |
| 1981 A            | 481,311       | 506,170    | -     | 24,859     | NB                | 1981 A       | 450,332    | 504,906    | -  | 54,574    | NB |
| 1981 B1           | 394,251       | 116,738    |       | 277,513    | TB                | 1981 B1      | 301,337    | 118,362    |    | 182,975   | TB |
| 1981 B2           | 14,628        | 14,628     |       | 0          | TB                | 1981 B2      | 14,484     | 14,484     |    | 0         | TB |
| 1981 C            | 583,708       | 927,864    | -     | 344,156    | NB                | 1981 C       | 564,149    | 952,145    | -  | 387,996   | NB |
| 1981 D            | 384,758       | 595,000    | -     | 210,242    | FR                | 1981 D       | 346,601    | 346,601    |    | 0         | FR |
| 1981 E            | 3,895,424     | 3,912,100  | -     | 16,676     | FR                | 1981 E       | 3,900,076  | 3,900,076  |    | 0         | FR |
| 1982 A            | 762,438       | 630,217    |       | 132,221    | NB                | 1982 A       | 788,194    | 648,168    |    | 140,026   | NB |
| 1982 B1           | 758,249       | 11,192     |       | 747,057    | TB                | 1982 B1      | 81,256     | 15,857     |    | 65,399    | TB |
| 1982 B2           | 2,044         | 2,044      |       | 0          | TB                | 1982 B2      | 2,128      | 2,128      |    | 0         | TB |
| 1982 C            | 558,276       | 909,325    | -     | 351,049    | NB                | 1982 C       | 521,120    | 883,167    | -  | 362,047   | NB |
| 1982 D            | 0             | 0          |       | 0          | FR                | 1982 D       | 0          | 0          |    | 0         | FR |
| 1982 E            | 0             | 900        | -     | 900        | FR                | 1982 E       | 0          | 0          |    | 0         | FR |
| 1983 A            | 2,355,550     | 1,660,051  |       | 695,499    | NB                | 1983 A       | 2,372,847  | 1,844,293  |    | 528,554   | NB |
| 1983 B1           | 242,537       | 8,983      |       | 233,554    | TB                | 1983 B1      | 60,823     | 12,828     |    | 47,995    | TB |
| 1983 B2           | 2,994         | 2,994      |       | 0          | TB                | 1983 B2      | 2,977      | 2,977      |    | 0         | TB |
| 1983 C            | 2,743,179     | 4,194,143  | -     | 1,450,964  | NB                | 1983 C       | 3,143,679  | 4,235,083  | -  | 1,091,404 | NB |
| 1983 D            | 381,838       | 203,200    |       | 178,638    | FR                | 1983 D       | 326,585    | 326,585    |    | 0         | FR |
| 1983 E            | 1,822,607     | 1,805,800  |       | 16,807     | FR                | 1983 E       | 1,818,920  | 1,818,920  |    | 0         | FR |
| 1984 A            | 1,393,526     | 1,275,665  |       | 117,861    | NB                | 1984 A       | 1,466,413  | 1,316,707  |    | 149,706   | NB |
| 1984 B1           | 340,187       | 25,084     |       | 315,103    | TB                | 1984 B1      | 111,811    | 32,982     |    | 78,829    | TB |
| 1984 B2           | 7,026         | 7,026      |       | 0          | TB                | 1984 B2      | 7,041      | 7,041      |    | 0         | TB |
| 1984 C            | 2,632,833     | 2,302,830  |       | 330,003    | NB                | 1984 C       | 2,017,676  | 2,183,717  | -  | 166,041   | NB |
| 1984 D            | 0             | 0          |       | 0          | FR                | 1984 D       | 0          | 0          |    | 0         | FR |
| 1984 E            | 0             | 100        | -     | 100        | FR                | 1984 E       | 0          | 0          |    | 0         | FR |
| 1985 A            | 1,125,493     | 1,430,958  | -     | 305,465    | NB                | 1985 A       | 1,181,072  | 1,624,320  | -  | 443,248   | NB |
| 1985 B1           | 1,158,012     | 83,702     |       | 1,074,310  | TB                | 1985 B1      | 498,574    | 103,202    |    | 395,372   | TB |
| 1985 B2           | 5,729         | 5,729      |       | 0          | TB                | 1985 B2      | 5,756      | 5,756      |    | 0         | TB |
| 1985 C            | 1,756,755     | 1,750,481  |       | 6,274      | NB                | 1985 C       | 1,825,695  | 1,500,076  |    | 325,619   | NB |
| 1985 D            | 1,278,107     | 331,400    |       | 946,707    | FR                | 1985 D       | 1,204,356  | 1,204,356  |    | 0         | FR |
| 1985 E            | 3,871,679     | 3,801,000  |       | 70,679     | FR                | 1985 E       | 3,848,144  | 3,848,144  |    | 0         | FR |
| 1986 A            | 2,529,487     | 2,495,062  |       | 34,425     | NB                | 1986 A       | 2,570,604  | 2,499,290  |    | 71,314    | NB |
| 1986 B1           | 65,297        | 2,935      |       | 62,362     | TB                | 1986 B1      | 28,115     | 3,266      |    | 24,849    | TB |
| 1986 B2           | 166           | 166        |       | 0          | TB                | 1986 B2      | 200        | 200        |    | 0         | TB |
| 1986 C            | 2,810,874     | 2,755,587  |       | 55,287     | NB                | 1986 C       | 1,971,175  | 2,207,746  | -  | 236,571   | NB |
| 1986 D            | 0             | 0          |       | 0          | FR                | 1986 D       | 0          | 0          |    | 0         | FR |
| 1986 E            | 0             | 1,100      | -     | 1,100      | FR                | 1986 E       | 0          | 0          |    | 0         | FR |
| 1987 A            | 972,351       | 292,453    |       | 679,898    | NB                | 1987 A       | 1,044,218  | 287,097    |    | 757,121   | NB |
| 1987 B1           | 626,740       | 87,937     |       | 538,803    | TB                | 1987 B1      | 422,380    | 123,374    |    | 299,006   | TB |
| 1987 B2           | 6,896         | 7,149      | -     | 253        | TB                | 1987 B2      | 6,896      | 6,896      |    | 0         | TB |
| 1987 C            | 754,016       | 3,706,001  | -     | 2,951,985  | NB                | 1987 C       | 904,077    | 3,211,766  | -  | 2,307,689 | NB |
| 1987 D            | 970,209       | 880,000    |       | 90,209     | FR                | 1987 D       | 1,083,506  | 1,083,506  |    | 0         | FR |
| 1987 E            | 1,270,700     | 1,942,000  | -     | 671,300    | FR                | 1987 E       | 1,451,608  | 1,451,608  |    | 0         | FR |
|                   |               |            |       |            |                   | 1988 A       | 942,384    | 511,850    |    | 430,534   | NB |
|                   |               |            |       |            |                   | 1988 B1      | 83,082     | 12,334     |    | 70,748    | TB |
|                   |               |            |       |            |                   | 1988 B2      | 1,448      | 1,448      |    | 0         | TB |
|                   |               |            |       |            |                   | 1988 C       | 873,542    | 1,802,901  | -  | 929,359   | NB |
|                   |               |            |       |            |                   | 1988 D       | 0          | 0          |    | 0         | FR |
|                   |               |            |       |            |                   | 1988 E       | 0          | 0          |    | 0         | FR |
| TOTAL 80-87       | 40,884,814    | 40,542,104 |       | 13,361,028 |                   | TOTAL 80-87  | 38,075,787 | 40,258,608 |    | 8,370,121 |    |

Table 4.3c Comparison of chum interceptions, sorted by year and category, before/after work by the Technical Committees (TC).

| YEAR/<br>CATEGORY | CHUM - BEFORE |           |          |    | YEAR/<br>CATEGORY | CHUM - AFTER |           |          |    |
|-------------------|---------------|-----------|----------|----|-------------------|--------------|-----------|----------|----|
|                   | CANADA        | U.S.      | DIFF.    | TC |                   | CANADA       | U.S.      | DIFF.    | TC |
| 1980 A            | 67,783        | 59,624    | 8,159    | NB | 1980 A            | 67,976       | 66,722    | 1,254    | NB |
| 1980 B1           | 138,795       | 105,292   | 33,503   | TB | 1980 B1           | 220,901      | 144,833   | 76,068   | TB |
| 1980 B2           | 16,771        | 19,287    | - 2,516  | TB | 1980 B2           | 19,287       | 19,287    | 0        | TB |
| 1980 C            | 74,795        | 93,599    | - 18,804 | NB | 1980 C            | 79,720       | 99,014    | - 19,294 | NB |
| 1980 D            | 54,041        | 85,018    | - 30,977 | CM | 1980 D            | 46,390       | 46,390    | 0        | CM |
| 1980 E            | 285,352       | 254,942   | 30,410   | CM | 1980 E            | 256,874      | 256,874   | 0        | CM |
| 1981 A            | 23,369        | 20,775    | 2,594    | NB | 1981 A            | 23,369       | 20,290    | 3,079    | NB |
| 1981 B1           | 71,469        | 30,211    | 41,258   | TB | 1981 B1           | 83,279       | 47,746    | 35,533   | TB |
| 1981 B2           | 6,719         | 6,719     | 0        | TB | 1981 B2           | 6,719        | 6,719     | 0        | TB |
| 1981 C            | 13,330        | 21,742    | - 8,412  | NB | 1981 C            | 15,393       | 20,940    | - 5,547  | NB |
| 1981 D            | 5,499         | 14,737    | - 9,238  | CM | 1981 D            | 6,469        | 6,469     | 0        | CM |
| 1981 E            | 8,613         | 7,302     | 1,311    | CM | 1981 E            | 7,771        | 7,771     | 0        | CM |
| 1982 A            | 99,347        | 67,894    | 31,453   | NB | 1982 A            | 97,182       | 73,331    | 23,851   | NB |
| 1982 B1           | 44,758        | 10,875    | 33,883   | TB | 1982 B1           | 48,296       | 21,055    | 27,241   | TB |
| 1982 B2           | 725           | 725       | 0        | TB | 1982 B2           | 725          | 725       | 0        | TB |
| 1982 C            | 21,427        | 31,423    | - 9,996  | NB | 1982 C            | 22,013       | 35,707    | - 13,694 | NB |
| 1982 D            | 79,894        | 104,560   | - 24,666 | CM | 1982 D            | 62,802       | 62,802    | 0        | CM |
| 1982 E            | 64,081        | 57,251    | 6,830    | CM | 1982 E            | 57,107       | 57,107    | 0        | CM |
| 1983 A            | 63,353        | 44,551    | 18,802   | NB | 1983 A            | 58,278       | 45,849    | 12,429   | NB |
| 1983 B1           | 27,746        | 4,389     | 23,357   | TB | 1983 B1           | 44,258       | 9,981     | 34,277   | TB |
| 1983 B2           | 2,060         | 2,064     | - 4      | TB | 1983 B2           | 2,061        | 2,061     | 0        | TB |
| 1983 C            | 45,828        | 68,698    | - 22,870 | NB | 1983 C            | 45,904       | 67,147    | - 21,243 | NB |
| 1983 D            | 4,937         | 18,709    | - 13,772 | CM | 1983 D            | 8,568        | 8,568     | 0        | CM |
| 1983 E            | 8,143         | 6,353     | 1,790    | CM | 1983 E            | 6,410        | 6,410     | 0        | CM |
| 1984 A            | 84,935        | 62,835    | 22,100   | NB | 1984 A            | 68,021       | 76,189    | - 8,168  | NB |
| 1984 B1           | 72,536        | 15,647    | 56,889   | TB | 1984 B1           | 103,239      | 39,885    | 63,354   | TB |
| 1984 B2           | 2,492         | 2,492     | 0        | TB | 1984 B2           | 2,492        | 2,492     | 0        | TB |
| 1984 C            | 93,584        | 132,157   | - 38,573 | NB | 1984 C            | 93,170       | 160,962   | - 67,792 | NB |
| 1984 D            | 3,652         | 15,490    | - 11,838 | CM | 1984 D            | 13,357       | 13,357    | 0        | CM |
| 1984 E            | 7,406         | 5,597     | 1,809    | CM | 1984 E            | 5,592        | 5,592     | 0        | CM |
| 1985 A            | 90,001        | 68,576    | 21,425   | NB | 1985 A            | 73,507       | 70,346    | 3,161    | NB |
| 1985 B1           | 84,469        | 17,289    | 67,180   | TB | 1985 B1           | 97,993       | 45,871    | 52,122   | TB |
| 1985 B2           | 672           | 672       | 0        | TB | 1985 B2           | 672          | 672       | 0        | TB |
| 1985 C            | 55,180        | 97,872    | - 42,692 | NB | 1985 C            | 51,433       | 100,412   | - 48,979 | NB |
| 1985 D            | 176,019       | 244,993   | - 68,974 | CM | 1985 D            | 178,051      | 178,051   | 0        | CM |
| 1985 E            | 157,901       | 135,579   | 22,322   | CM | 1985 E            | 135,109      | 135,109   | 0        | CM |
| 1986 A            | 150,924       | 109,534   | 41,390   | NB | 1986 A            | 132,160      | 114,143   | 18,017   | NB |
| 1986 B1           | 53,923        | 11,558    | 42,365   | TB | 1986 B1           | 83,442       | 28,515    | 54,927   | TB |
| 1986 B2           | 417           | 417       | 0        | TB | 1986 B2           | 417          | 417       | 0        | TB |
| 1986 C            | 65,053        | 93,542    | - 28,489 | NB | 1986 C            | 51,526       | 102,733   | - 51,207 | NB |
| 1986 D            | 55,857        | 64,141    | - 8,284  | CM | 1986 D            | 30,850       | 30,850    | 0        | CM |
| 1986 E            | 97,597        | 83,267    | 14,330   | CM | 1986 E            | 80,883       | 80,883    | 0        | CM |
| 1987 A            | 41,349        | 41,447    | - 98     | NB | 1987 A            | 31,163       | 31,511    | - 348    | NB |
| 1987 B1           | 93,083        | 26,800    | 66,283   | TB | 1987 B1           | 105,202      | 46,955    | 58,247   | TB |
| 1987 B2           | 2,710         | 2,729     | - 19     | TB | 1987 B2           | 2,729        | 2,729     | 0        | TB |
| 1987 C            | 34,564        | 54,399    | - 19,835 | NB | 1987 C            | 34,187       | 68,701    | - 34,514 | NB |
| 1987 D            | 25,644        | 54,576    | - 28,932 | CM | 1987 D            | 27,019       | 27,019    | 0        | CM |
| 1987 E            | 42,677        | 32,018    | 10,659   | CM | 1987 E            | 38,056       | 38,056    | 0        | CM |
|                   |               |           |          |    | 1988 A            | 109,181      | 109,792   | - 611    | NB |
|                   |               |           |          |    | 1988 B1           | 74,258       | 44,031    | 30,227   | TB |
|                   |               |           |          |    | 1988 B2           | 1,466        | 1,466     | 0        | TB |
|                   |               |           |          |    | 1988 C            | 75,080       | 147,670   | - 72,590 | NB |
|                   |               |           |          |    | 1988 D            | NA           | NA        | 0        | CM |
|                   |               |           |          |    | 1988 E            | NA           | NA        | 0        | CM |
| TOTAL 80-87       | 2,721,480     | 2,510,367 | 989,091  |    | TOTAL 80-87       | 2,728,022    | 2,535,248 | 734,346  |    |

Table 4.3d Comparison of coho interceptions, sorted by year and category, before/after work by the Technical Committees (TC).

| YEAR /<br>CATEGORY | COHO - BEFORE |            |           |    | YEAR /<br>CATEGORY | COHO - AFTER |            |             |    |
|--------------------|---------------|------------|-----------|----|--------------------|--------------|------------|-------------|----|
|                    | CANADA        | U.S.       | DIFF.     | TC |                    | CANADA       | U.S.       | DIFF.       | TC |
| 1980 A             | 221,401       | 125,598    | 95,803    | CO | 1980 A             | 265,535      | 107,709    | 157,826     | CO |
| 1980 B1            | 202,354       | 130,464    | 71,890    | TB | 1980 B1            | 156,783      | 125,848    | 30,935      | TB |
| 1980 B2            | 13,234        | 13,274     | - 40      | TB | 1980 B2            | 13,274       | 13,274     | 0           | TB |
| 1980 C             | 82,625        | 93,961     | - 11,336  | CO | 1980 C             | 79,975       | 88,989     | - 9,014     | CO |
| 1980 D             | 835,400       | 1,239,176  | - 403,776 | CO | 1980 D             | 818,238      | 1,295,103  | - 476,865   | CO |
| 1980 E             | 438,771       | 152,634    | 286,137   | CO | 1980 E             | 441,387      | 152,634    | 288,753     | CO |
| 1981 A             | 263,056       | 148,756    | 114,300   | CO | 1981 A             | 291,995      | 122,103    | 169,892     | CO |
| 1981 B1            | 125,071       | 132,414    | - 7,343   | TB | 1981 B1            | 104,411      | 101,452    | 2,959       | TB |
| 1981 B2            | 6,391         | 6,382      | 9         | TB | 1981 B2            | 6,391        | 6,391      | 0           | TB |
| 1981 C             | 57,705        | 82,970     | - 25,265  | CO | 1981 C             | 56,748       | 64,747     | - 7,999     | CO |
| 1981 D             | 730,005       | 1,104,432  | - 374,427 | CO | 1981 D             | 719,208      | 1,149,329  | - 430,121   | CO |
| 1981 E             | 283,012       | 85,843     | 197,169   | CO | 1981 E             | 282,554      | 85,843     | 196,711     | CO |
| 1982 A             | 440,269       | 202,784    | 237,485   | CO | 1982 A             | 463,765      | 175,171    | 288,594     | CO |
| 1982 B1            | 280,147       | 125,671    | 154,476   | TB | 1982 B1            | 185,770      | 101,193    | 84,577      | TB |
| 1982 B2            | 16,104        | 15,995     | 109       | TB | 1982 B2            | 16,104       | 16,104     | 0           | TB |
| 1982 C             | 62,275        | 76,736     | - 14,461  | CO | 1982 C             | 64,796       | 77,105     | - 12,309    | CO |
| 1982 D             | 816,321       | 1,212,838  | - 396,517 | CO | 1982 D             | 804,359      | 1,243,619  | - 439,260   | CO |
| 1982 E             | 313,897       | 82,742     | 231,155   | CO | 1982 E             | 307,848      | 82,742     | 225,106     | CO |
| 1983 A             | 460,088       | 217,676    | 242,412   | CO | 1983 A             | 472,637      | 181,209    | 291,428     | CO |
| 1983 B1            | 221,504       | 134,940    | 86,564    | TB | 1983 B1            | 179,939      | 85,493     | 94,446      | TB |
| 1983 B2            | 14,663        | 14,663     | 0         | TB | 1983 B2            | 14,579       | 14,579     | 0           | TB |
| 1983 C             | 116,349       | 133,373    | - 17,024  | CO | 1983 C             | 108,861      | 134,481    | - 25,620    | CO |
| 1983 D             | 946,353       | 1,358,646  | - 412,293 | CO | 1983 D             | 935,305      | 1,410,957  | - 475,652   | CO |
| 1983 E             | 156,785       | 34,360     | 122,425   | CO | 1983 E             | 158,721      | 33,821     | 124,900     | CO |
| 1984 A             | 426,866       | 177,236    | 249,630   | CO | 1984 A             | 443,093      | 151,159    | 291,934     | CO |
| 1984 B1            | 225,876       | 124,709    | 101,167   | TB | 1984 B1            | 142,202      | 111,664    | 30,538      | TB |
| 1984 B2            | 5,378         | 5,458      | - 80      | TB | 1984 B2            | 5,378        | 5,378      | 0           | TB |
| 1984 C             | 81,477        | 95,150     | - 13,673  | CO | 1984 C             | 78,004       | 94,610     | - 16,606    | CO |
| 1984 D             | 962,103       | 1,424,809  | - 462,706 | CO | 1984 D             | 949,870      | 1,543,642  | - 593,772   | CO |
| 1984 E             | 92,701        | 19,218     | 73,483    | CO | 1984 E             | 100,950      | 46,900     | 54,050      | CO |
| 1985 A             | 554,602       | 221,792    | 332,810   | CO | 1985 A             | 582,055      | 201,175    | 380,880     | CO |
| 1985 B1            | 281,628       | 126,703    | 154,925   | TB | 1985 B1            | 193,749      | 149,071    | 44,678      | TB |
| 1985 B2            | 4,095         | 4,095      | 0         | TB | 1985 B2            | 4,095        | 4,095      | 0           | TB |
| 1985 C             | 75,306        | 89,985     | - 14,679  | CO | 1985 C             | 78,112       | 93,267     | - 15,155    | CO |
| 1985 D             | 729,794       | 1,168,013  | - 438,219 | CO | 1985 D             | 709,757      | 1,381,298  | - 671,541   | CO |
| 1985 E             | 261,320       | 62,674     | 198,646   | CO | 1985 E             | 263,423      | 92,747     | 170,676     | CO |
| 1986 A             | 890,319       | 358,754    | 531,565   | CO | 1986 A             | 947,931      | 306,115    | 641,816     | CO |
| 1986 B1            | 188,784       | 130,223    | 58,561    | TB | 1986 B1            | 148,406      | 97,366     | 51,040      | TB |
| 1986 B2            | 4,072         | 4,066      | 6         | TB | 1986 B2            | 4,072        | 4,072      | 0           | TB |
| 1986 C             | 161,994       | 176,274    | - 14,280  | CO | 1986 C             | 151,083      | 180,430    | - 29,347    | CO |
| 1986 D             | 1,037,397     | 1,189,115  | - 151,718 | CO | 1986 D             | 1,021,593    | 2,159,441  | - 1,137,848 | CO |
| 1986 E             | 248,653       | 116,378    | 132,275   | CO | 1986 E             | 247,375      | 88,320     | 159,055     | CO |
| 1987 A             | 298,453       | 159,211    | 139,242   | CO | 1987 A             | 316,505      | 139,536    | 176,969     | CO |
| 1987 B1            | 185,196       | 122,079    | 63,117    | TB | 1987 B1            | 173,432      | 107,446    | 65,986      | TB |
| 1987 B2            | 11,379        | 11,353     | 26        | TB | 1987 B2            | 11,379       | 11,379     | 0           | TB |
| 1987 C             | 97,520        | 102,828    | - 5,308   | CO | 1987 C             | 89,938       | 101,962    | - 12,024    | CO |
| 1987 D             | 890,114       | 1,223,578  | - 333,464 | CO | 1987 D             | 867,640      | 1,246,218  | - 378,578   | CO |
| 1987 E             | 217,328       | 64,093     | 153,235   | CO | 1987 E             | 209,777      | 62,603     | 147,174     | CO |
|                    |               |            |           |    | 1988 A             | NA           | NA         | 0           | CO |
|                    |               |            |           |    | 1988 B1            | 127,976      | 114,114    | 13,862      | TB |
|                    |               |            |           |    | 1988 B2            | 5,628        | 5,628      | 0           | TB |
|                    |               |            |           |    | 1988 C             | NA           | NA         | 0           | CO |
|                    |               |            |           |    | 1988 D             | NA           | NA         | 0           | CO |
|                    |               |            |           |    | 1988 E             | NA           | NA         | 0           | CO |
| TOTAL 80-87        | 15,036,135    | 14,104,122 | 7,125,231 |    | TOTAL 80-87        | 14,689,002   | 15,249,790 | 8,902,634   |    |

Table 4.3e Comparison of chinook interceptions, sorted by year and category, before/after work by the Technical Committees (TC).

| YEAR /<br>CATEGORY | CHINOOK - BEFORE |           |           |       | YEAR /<br>CATEGORY | CHINOOK - AFTER |       |       |    |    |
|--------------------|------------------|-----------|-----------|-------|--------------------|-----------------|-------|-------|----|----|
|                    | CANADA           | U.S.      | DIFF.     | TC    |                    | CANADA          | U.S.  | DIFF. | TC |    |
| 1980 A             | 228,887          | 125,829   | 103,058   | CH    | 1980 A             | NA              | NA    | 0     | CH |    |
| 1980 B1            | 65,940           | 5,561     | 60,379    | TB    | 1980 B1            | NA              | NA    | 0     | TB |    |
| 1980 B2            | 2,806            | 2,756     | 50        | TB    | 1980 B2            | 2,806           | 2,806 | 0     | TB |    |
| 1980 C             | 0                | 4,047     | -         | 4,047 | CH                 | 1980 C          | NA    | NA    | 0  | CH |
| 1980 D             | 534,007          | 520,240   | 13,767    | CH    | 1980 D             | NA              | NA    | 0     | CH |    |
| 1980 E             | 73,089           | 35,274    | 37,815    | CH    | 1980 E             | NA              | NA    | 0     | CH |    |
| 1981 A             | 190,145          | 111,184   | 78,961    | CH    | 1981 A             | NA              | NA    | 0     | CH |    |
| 1981 B1            | 62,118           | 6,309     | 55,809    | TB    | 1981 B1            | NA              | NA    | 0     | TB |    |
| 1981 B2            | 2,182            | 2,017     | 165       | TB    | 1981 B2            | 2,182           | 2,182 | 0     | TB |    |
| 1981 C             | 0                | 4,209     | -         | 4,209 | CH                 | 1981 C          | NA    | NA    | 0  | CH |
| 1981 D             | 485,924          | 473,471   | 12,453    | CH    | 1981 D             | NA              | NA    | 0     | CH |    |
| 1981 E             | 52,746           | 29,481    | 23,265    | CH    | 1981 E             | NA              | NA    | 0     | CH |    |
| 1982 A             | 228,099          | 128,307   | 99,792    | CH    | 1982 A             | NA              | NA    | 0     | CH |    |
| 1982 B1            | 46,911           | 5,201     | 41,710    | TB    | 1982 B1            | NA              | NA    | 0     | TB |    |
| 1982 B2            | 3,065            | 2,641     | 424       | TB    | 1982 B2            | 3,065           | 3,065 | 0     | TB |    |
| 1982 C             | 0                | 5,115     | -         | 5,115 | CH                 | 1982 C          | NA    | NA    | 0  | CH |
| 1982 D             | 593,038          | 568,192   | 24,846    | CH    | 1982 D             | NA              | NA    | 0     | CH |    |
| 1982 E             | 46,506           | 22,877    | 23,629    | CH    | 1982 E             | NA              | NA    | 0     | CH |    |
| 1983 A             | 233,443          | 122,165   | 111,278   | CH    | 1983 A             | NA              | NA    | 0     | CH |    |
| 1983 B1            | 19,030           | 1,483     | 17,547    | TB    | 1983 B1            | NA              | NA    | 0     | TB |    |
| 1983 B2            | 2,401            | 2,389     | 12        | TB    | 1983 B2            | 2,401           | 2,401 | 0     | TB |    |
| 1983 C             | 0                | 3,794     | -         | 3,794 | CH                 | 1983 C          | NA    | NA    | 0  | CH |
| 1983 D             | 468,959          | 452,265   | 16,694    | CH    | 1983 D             | NA              | NA    | 0     | CH |    |
| 1983 E             | 45,695           | 18,715    | 26,980    | CH    | 1983 E             | NA              | NA    | 0     | CH |    |
| 1984 A             | 197,220          | 110,676   | 86,544    | CH    | 1984 A             | NA              | NA    | 0     | CH |    |
| 1984 B1            | 28,083           | 2,372     | 25,711    | TB    | 1984 B1            | NA              | NA    | 0     | TB |    |
| 1984 B2            | 1,571            | 1,696     | -         | 125   | TB                 | 1984 B2         | 1,571 | 1,571 | 0  | TB |
| 1984 C             | 0                | 4,609     | -         | 4,609 | CH                 | 1984 C          | NA    | NA    | 0  | CH |
| 1984 D             | 586,323          | 559,269   | 27,054    | CH    | 1984 D             | NA              | NA    | 0     | CH |    |
| 1984 E             | 36,624           | 12,099    | 24,525    | CH    | 1984 E             | NA              | NA    | 0     | CH |    |
| 1985 A             | 176,992          | 99,147    | 77,845    | CH    | 1985 A             | NA              | NA    | 0     | CH |    |
| 1985 B1            | 23,212           | 3,365     | 19,847    | TB    | 1985 B1            | NA              | NA    | 0     | TB |    |
| 1985 B2            | 1,862            | 1,737     | 125       | TB    | 1985 B2            | 1,862           | 1,862 | 0     | TB |    |
| 1985 C             | 0                | 5,148     | -         | 5,148 | CH                 | 1985 C          | NA    | NA    | 0  | CH |
| 1985 D             | 552,852          | 523,639   | 29,213    | CH    | 1985 D             | NA              | NA    | 0     | CH |    |
| 1985 E             | 22,025           | 10,207    | 11,818    | CH    | 1985 E             | NA              | NA    | 0     | CH |    |
| 1986 A             | 158,153          | 104,198   | 53,955    | CH    | 1986 A             | NA              | NA    | 0     | CH |    |
| 1986 B1            | 24,237           | 3,445     | 20,792    | TB    | 1986 B1            | NA              | NA    | 0     | TB |    |
| 1986 B2            | 2,478            | 2,441     | 37        | TB    | 1986 B2            | 2,478           | 2,478 | 0     | TB |    |
| 1986 C             | 0                | 3,914     | -         | 3,914 | CH                 | 1986 C          | NA    | NA    | 0  | CH |
| 1986 D             | 577,722          | 560,460   | 17,262    | CH    | 1986 D             | NA              | NA    | 0     | CH |    |
| 1986 E             | 17,645           | 9,491     | 8,154     | CH    | 1986 E             | NA              | NA    | 0     | CH |    |
| 1987 A             | 141,570          | 76,949    | 64,621    | CH    | 1987 A             | NA              | NA    | 0     | CH |    |
| 1987 B1            | 27,720           | 4,639     | 23,081    | TB    | 1987 B1            | NA              | NA    | 0     | TB |    |
| 1987 B2            | 2,818            | 3,330     | -         | 512   | TB                 | 1987 B2         | 2,818 | 2,818 | 0  | TB |
| 1987 C             | 0                | 4,580     | -         | 4,580 | CH                 | 1987 C          | NA    | NA    | 0  | CH |
| 1987 D             | 553,222          | 550,183   | 3,039     | CH    | 1987 D             | NA              | NA    | 0     | CH |    |
| 1987 E             | 17,326           | 12,508    | 4,818     | CH    | 1987 E             | NA              | NA    | 0     | CH |    |
|                    |                  |           |           |       | 1988 A             | NA              | NA    | 0     | CH |    |
|                    |                  |           |           |       | 1988 B1            | NA              | NA    | 0     | TB |    |
|                    |                  |           |           |       | 1988 B2            | 3,225           | 3,225 | 0     | TB |    |
|                    |                  |           |           |       | 1988 C             | NA              | NA    | 0     | CH |    |
|                    |                  |           |           |       | 1988 D             | NA              | NA    | 0     | CH |    |
|                    |                  |           |           |       | 1988 E             | NA              | NA    | 0     | CH |    |
| TOTAL 80-87        | 6,534,646        | 5,323,624 | 1,283,128 |       | TOTAL 80-87        | NA              | NA    | 0     |    |    |

**Table 4.4** Format for bilateral interception files. Technical Committees Interception Committee with separate files for each species or contain working data after column "u".

**Column    Column Headings, Codes, Comments**

|      |   |
|------|---|
| a    | <b>YR</b> (year)  |
| b    | <b>Ju</b> (jurisdiction)<br><br><b>AK</b> = Alaska<br><b>BC</b> = British Columbia<br><b>OR</b> = Oregon<br><b>SC</b> = Pacific Salmon Commission<br><b>WA</b> = Washington   |
| c    | <b>Area</b> (official Statistical and Management Areas and combinations of these areas)   |
| d    | <b>Gear</b><br><br><b>AL</b> = all gear <b>ON</b> = other net<br><b>CO</b> = all commercial <b>SE</b> = purse seine<br><b>CN</b> = commercial net <b>SP</b> = sport<br><b>GN</b> = gillnet (incl. setnet) <b>ST</b> = seine and trap<br><b>IF</b> = Indian food fishery <b>TF</b> = test fish<br><b>NC</b> = non-commercial (incl. sport) <b>TR</b> = troll<br><b>OG</b> = other gear   |
| e    | <b>Spec</b> (species)   |
| f    | <b>Catch</b> (numbers of fish, provided by the Parties for their fisheries)   |
| g    | <b>Adjusted Catch</b> (catch less estimated hatchery contributions or terminal catches which are not subject to interception)   |
| h, i | <b>PROP BOUND FOR OTHER COUNTRY</b> (each Parties' estimates of the proportion of the catch in a fishery bound for the other country, i.e. <b>U.S. Est.</b> and <b>Candn Est.</b> ).<br><br><b>PROP BOUND FOR TBR RIVERS</b> (or Transboundary stocks [except coho], each Parties' estimates of the proportion of the catch in a fishery bound for Transboundary rivers)<br><br><b>EXP FACTOR FOR TBR STOCKS</b> (the figures in these columns represent expansion factors to estimate the catch of Transboundary coho in all fisheries, based on catches in the District where stock compositions are known) |

- k,l **CATCH OF FISH BOUND FOR OTHER COUNTRY** (catch or adjusted catch times the proportion in columns "h" and "i". In some cases interceptions are entered directly, e.g. Category D and E sockeye and pink, or are calculated based on border escapements, e.g. Transboundary coho. For Transboundary stocks, the catch of fish from the relevant Transboundary rivers has been included)
- m **Diff** (U.S. interception estimate minus Canadian interception estimate)
- o **CAT** (interception category code)
- A** = Alaskan interception of B.C. salmon  
**B1** = Alaskan catch of transboundary salmon  
**B2** = B.C. catch of transboundary salmon  
**C** = B.C. interception of Alaskan salmon  
**D** = B.C. interception of Wash./Ore./Idaho/California salmon  
**E** = Washington/Oregon interception of B.C. salmon
- p,q **INTERCEPTION CATEGORY SUMMARY** (U.S. and Canadian interception totals by category and species)
- r **Diff** (U.S. interception estimate for category/species minus Canadian interception estimate for category/species)
- t **Notes** (footnotes explaining interception estimates)
- u **Hat** (estimated hatchery catch for Northern Boundary chum, For Transboundary chinook and coho, border escapement; for Coho, contribution of Alaska hatchery fish)
- v For Transboundary coho, the rate used to estimate contributions in all fisheries.  
 For Transboundary sockeye, the proportion of the catch of Taku origin based on District 111 scale pattern analysis.  
 For coho, harvest of hatchery coho in special harvest areas.

TABLE 4.5 SUMMARY OF PROPOSED RESEARCH NEEDS, BY TECHNICAL COMMITTEE.

| AREA OF RESEARCH NEED                            | TRANSBOUNDARY |      |      |      |         | NORTHERN BOUNDARY |      |      | COHO | FRASER | CHUM |
|--|---------------|------|------|------|---------|-------------------|------|------|------|--------|------|
|  | SOCKEYE       | PINK | CHUM | COHO | CHINOOK | SOCKEYE           | PINK | CHUM |      |        |      |
| <b>STOCK IDENTIFICATION</b>                      |               |      |      |      |         |                   |      |      |      |        |      |
| <i>GSI</i>                                       |               |      |      |      |         |                   |      |      |      |        |      |
| Baseline   | X             | X    | X    | -    | -       | -                 | -    | -    | X    | -      | X    |
| Consistency of Lab Procedures                    | -             | -    | -    | -    | -       | -                 | -    | -    | -    | -      | X    |
| Interannual Variation                            | -             | -    | -    | -    | -       | -                 | -    | -    | -    | -      | X    |
| <i>NUCLEAR DNA</i>                               | -             | -    | -    | -    | -       | -                 | -    | -    | X    | -      | -    |
| <i>SCALE PATTERN ANALYSIS</i>                    | X             | -    | -    | -    | -       | -                 | -    | -    | -    | -      | -    |
| <i>TAGGING (CWT, EXTERNAL)</i>                   | X             | -    | X    | X    | -       | -                 | -    | X    | X    | -      | -    |
| <i>MASS MARKING</i>                              | X             | -    | -    | -    | -       | -                 | -    | -    | X    | -      | -    |
| <i>GENOTYPIC vs ALLELIC FREQUENCIES</i>          | -             | -    | -    | -    | -       | -                 | -    | -    | -    | -      | X    |
| <b>ANALYSIS</b>                                  |               |      |      |      |         |                   |      |      |      |        |      |
| <i>GSI BIAS CORRECTION METHODOLOGY</i>           | -             | -    | -    | -    | -       | -                 | -    | -    | -    | X      | X    |
| <i>CODED-WIRE-TAG ANALYSIS</i>                   | -             | -    | -    | X    | -       | -                 | -    | -    | X    | -      | -    |
| <i>DISTRIBUTION OF CATCH</i>                     | X             | X    | X    | X    | -       | -                 | -    | -    | -    | -      | -    |
| <i>EXPLOITATION RATE ESTIMATION</i>              | -             | -    | -    | -    | X       | -                 | -    | -    | -    | -      | -    |
| <b>STOCK MAGNITUDE</b>                           |               |      |      |      |         |                   |      |      |      |        |      |
| <i>SIZE OF ESCAPEMENT</i>                        | X             | X    | X    | X    | X       | -                 | -    | -    | -    | -      | -    |
| <i>DISTRIBUTION OF PRODUCTION</i>                | X             | X    | X    | X    | -       | -                 | -    | -    | -    | -      | -    |
| <b>BILATERAL DEVELOPMENT OF ESTIMATION TOOLS</b> |               |      |      |      |         |                   |      |      |      |        |      |
|  | -             | -    | -    | -    | -       | -                 | -    | -    | X    | -      | -    |

## **APPENDIX 1**

**TRANSBOUNDARY TECHNICAL COMMITTEE (1980-1988 DATA)**

**CATCH ESTIMATES: TRANSBOUNDARY SOCKEYE**

**CATCH ESTIMATES: TRANSBOUNDARY PINK**

**CATCH ESTIMATES: TRANSBOUNDARY CHUM**

**CATCH ESTIMATES: TRANSBOUNDARY COHO**

**CATCH ESTIMATES: TRANSBOUNDARY CHINOOK**

**CATCH ESTIMATES: TRANSBOUNDARY SOCKEYE**

U.S. AND CANADIAN ESTIMATES OF TBR SOCKEYE CATCH 1980 - 1988

| YR | Ju | Area              | Gear | Spec | Catch  | PROP BOUND FOR TBR RIVERS |           |             | -- CATCH OF TBR SOCKEYE |             |       | ----- INTERCEPTION ----- |           |             |        | Notes | BORDER ESC | D111 SPA pTAKU |
|----|----|-------------------|------|------|--------|---------------------------|-----------|-------------|-------------------------|-------------|-------|--------------------------|-----------|-------------|--------|-------|------------|----------------|
|    |    |                   |      |      |        | Adjusted Catch            | U.S. Est. | Canndn Est. | U.S. Est.               | Canndn Est. | Diff  | CAT                      | U.S. Est. | Canndn Est. | Diff   |       |            |                |
| a  | b  | c                 | d    | e    | f      | g                         | h         | i           | k                       | l           | m     | o                        | p         | q           | r      | t     | u          | v              |
| 80 | AK | STIKINE 106 & 108 | GN   | SOCK |        |                           |           |             | 23206                   | 23206       |       | B1                       |           |             |        |       | 62744      |                |
| 80 | AK | STIKINE OTHER     | ALL  | SOCK |        |                           |           |             | 2321                    | 4524        | -2203 | B1                       |           |             |        |       |            |                |
| 80 | AK | TAKU 111          | GN   | SOCK | 123117 |                           | 0.72      | 0.75        | 89046                   | 91858       |       | B1                       |           |             |        |       | 150680     | 0.76           |
| 80 | AK | TAKU OTHER        | ALL  | SOCK |        |                           |           |             | 8905                    | 12765       | -6673 | B1                       |           |             |        |       |            |                |
| 80 | AK | ALSEK 182         | GN   | SOCK | 25589  |                           | 0.81      | 0.90        | 20727                   | 23030       |       | B1                       |           |             |        |       | 19583      |                |
| 80 | AK | ALSEK OTHER       | ALL  | SOCK |        |                           |           |             | 2073                    | 2243        | -2473 | B1                       |           |             |        |       |            |                |
| 80 | AK | OTHER RIVERS      | ALL  | SOCK |        |                           |           |             | 500                     | 10000       | -9500 | B1                       | 146777    | 167626      | -20849 |       |            |                |
| 80 | BC | STIKINE           | GN   | SOCK | 18819  |                           | 1.00      | 1.00        | 18819                   | 18819       |       | B2                       |           |             |        |       |            |                |
| 80 | BC | STIKINE           | IF   | SOCK | 2100   |                           | 1.00      | 1.00        | 2100                    | 2100        | 0     | B2                       |           |             |        |       |            |                |
| 80 | BC | TAKU              | GN   | SOCK | 22602  |                           | 1.00      | 1.00        | 22602                   | 22602       | 0     | B2                       |           |             |        |       |            |                |
| 80 | BC | ALSEK             | IF   | SOCK | 900    |                           | 1.00      | 1.00        | 900                     | 900         |       | B2                       |           |             |        |       |            |                |
| 80 | BC | ALSEK             | SP   | SOCK | 600    |                           | 1.00      | 1.00        | 600                     | 600         | 0     | B2                       | 45021     | 45021       | 0      |       |            |                |
| 81 | AK | STIKINE 106 & 108 | GN   | SOCK |        |                           |           |             | 27538                   | 27538       |       | B1                       |           |             |        |       | 138503     |                |
| 81 | AK | STIKINE OTHER     | ALL  | SOCK |        |                           |           |             | 2754                    | 8739        | -5985 | B1                       |           |             |        |       |            |                |
| 81 | AK | TAKU 111          | GN   | SOCK | 49765  |                           | 0.72      | 0.75        | 35993                   | 37130       |       | B1                       |           |             |        |       | 72813      | 0.76           |
| 81 | AK | TAKU OTHER        | ALL  | SOCK |        |                           |           |             | 3599                    | 5786        | -3324 | B1                       |           |             |        |       |            |                |
| 81 | AK | ALSEK 182         | GN   | SOCK | 23697  |                           | 0.81      | 0.90        | 19195                   | 21327       |       | B1                       |           |             |        |       | 33913      |                |
| 81 | AK | ALSEK OTHER       | ALL  | SOCK |        |                           |           |             | 1919                    | 2907        | -3121 | B1                       |           |             |        |       |            |                |
| 81 | AK | OTHER RIVERS      | ALL  | SOCK |        |                           |           |             | 500                     | 10000       | -9500 | B1                       | 91499     | 113428      | -21930 |       |            |                |
| 81 | BC | STIKINE           | GN   | SOCK | 22320  |                           | 1.00      | 1.00        | 22320                   | 22320       |       | B2                       |           |             |        |       |            |                |
| 81 | BC | STIKINE           | IF   | SOCK | 5304   |                           | 1.00      | 1.00        | 5304                    | 5304        | 0     | B2                       |           |             |        |       |            |                |
| 81 | BC | TAKU              | GN   | SOCK | 10922  |                           | 1.00      | 1.00        | 10922                   | 10922       | 0     | B2                       |           |             |        |       |            |                |
| 81 | BC | ALSEK             | IF   | SOCK | 1900   |                           | 1.00      | 1.00        | 1900                    | 1900        |       | B2                       |           |             |        |       |            |                |
| 81 | BC | ALSEK             | SP   | SOCK | 808    |                           | 1.00      | 1.00        | 808                     | 808         | 0     | B2                       | 41254     | 41254       | 0      |       |            |                |
| 82 | AK | STIKINE 106 & 108 | GN   | SOCK |        |                           |           |             | 43329                   | 43329       |       | B1                       |           |             |        |       | 68442      |                |
| 82 | AK | STIKINE OTHER     | ALL  | SOCK |        |                           |           |             | 4333                    | 5883        | -1550 | B1                       |           |             |        |       |            |                |
| 82 | AK | TAKU 111          | GN   | SOCK | 83479  |                           | 0.72      | 0.75        | 60378                   | 62284       |       | B1                       |           |             |        |       | 115671     | 0.76           |
| 82 | AK | TAKU OTHER        | ALL  | SOCK |        |                           |           |             | 6038                    | 9366        | -5235 | B1                       |           |             |        |       |            |                |
| 82 | AK | ALSEK 182         | GN   | SOCK | 27389  |                           | 0.81      | 0.9         | 22185                   | 24650       |       | B1                       |           |             |        |       | 56165      |                |
| 82 | AK | ALSEK OTHER       | ALL  | SOCK |        |                           |           |             | 2219                    | 4253        | -4500 | B1                       |           |             |        |       |            |                |
| 82 | AK | OTHER RIVERS      | ALL  | SOCK |        |                           |           |             | 500                     | 10000       | -9500 | B1                       | 138981    | 159766      | -20785 |       |            |                |
| 82 | BC | STIKINE           | GN   | SOCK | 15592  |                           | 1.00      | 1.00        | 15592                   | 15592       |       | B2                       |           |             |        |       |            |                |
| 82 | BC | STIKINE           | IF   | SOCK | 4948   |                           | 1.00      | 1.00        | 4948                    | 4948        | 0     | B2                       |           |             |        |       |            |                |
| 82 | BC | TAKU              | GN   | SOCK | 3144   |                           | 1.00      | 1.00        | 3144                    | 3144        | 0     | B2                       |           |             |        |       |            |                |
| 82 | BC | ALSEK             | IF   | SOCK | 4800   |                           | 1.00      | 1.00        | 4800                    | 4800        |       | B2                       |           |             |        |       |            |                |
| 82 | BC | ALSEK             | SP   | SOCK | 755    |                           | 1.00      | 1.00        | 755                     | 755         | 0     | B2                       | 29239     | 29239       | 0      |       |            |                |
| 83 | AK | STIKINE 106 & 108 | GN   | SOCK |        |                           |           |             | 5810                    | 5810        |       | B1                       |           |             |        |       | 65860      |                |
| 83 | AK | STIKINE OTHER     | ALL  | SOCK |        |                           |           |             | 581                     | 3772        | -3191 | B1                       |           |             |        |       |            |                |
| 83 | AK | TAKU 111          | GN   | SOCK | 31627  |                           | 0.72      | 0.74        | 22684                   | 23401       |       | B1                       |           |             |        |       | 137500     | 0.755          |
| 83 | AK | TAKU OTHER        | ALL  | SOCK |        |                           |           |             | 2268                    | 8468        | -6916 | B1                       |           |             |        |       |            |                |
| 83 | AK | ALSEK 182         | GN   | SOCK | 18546  |                           | 0.81      | 0.90        | 15022                   | 16691       |       | B1                       |           |             |        |       | 34153      |                |
| 83 | AK | ALSEK OTHER       | ALL  | SOCK |        |                           |           |             | 1502                    | 2676        | -2843 | B1                       |           |             |        |       |            |                |
| 83 | AK | OTHER RIVERS      | ALL  | SOCK |        |                           |           |             | 500                     | 10000       | -9500 | B1                       | 48368     | 70819       | -22450 |       |            |                |
| 83 | BC | STIKINE           | GN   | SOCK | 16471  |                           | 1.00      | 1.00        | 16471                   | 16471       |       | B2                       |           |             |        |       |            |                |

U.S. AND CANADIAN ESTIMATES OF TBR SOCKEYE CATCH 1980 - 1988

| YR | Ju | Area              | Gear | Spec | Catch | PROP BOUND FOR<br>TBR RIVERS |           | -- CATCH OF TBR SOCKEYE |           |                | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |     |           | Notes  | BORDER<br>ESC | D111<br>SPA<br>pTAKU |             |      |
|----|----|-------------------|------|------|-------|------------------------------|-----------|-------------------------|-----------|----------------|--|-----|-----------|--------|---------------|----------------------|-------------|------|
|    |    |                   |      |      |       | Adjusted<br>Catch            | U.S. Est. | Canndn<br>Est.          | U.S. Est. | Canndn<br>Est. | Diff   | CAT | U.S. Est. |        |               |                      | Canndn Est. | Diff |
| a  | b  | c                 | d    | e    | f     | g                            | h         | i                       | k         | l              | m  | o   | p         | q      | r             | t                    | u           | v    |
| 83 | BC | STIKINE           | IF   | SOCK | 4649  |                              | 1.00      | 1.00                    | 4649      | 4649           | 0  | B2  |           |        |               |                      |             |      |
| 83 | BC | TAKU              | GN   | SOCK | 17056 |                              | 1.00      | 1.00                    | 17056     | 17056          | 0  | B2  |           |        |               |                      |             |      |
| 83 | BC | ALSEK             | IF   | SOCK | 2475  |                              | 1.00      | 1.00                    | 2475      | 2475           |  | B2  |           |        |               |                      |             |      |
| 83 | BC | ALSEK             | SP   | SOCK | 732   |                              | 1.00      | 1.00                    | 732       | 732            | 0  | B2  | 41383     | 41383  | 0             |                      |             |      |
| 84 | AK | STIKINE 106 & 108 | GN   | SOCK |       |                              |           |                         | 7827      | 7827           |  | B1  |           |        |               | 71857                |             |      |
| 84 | AK | STIKINE OTHER     | ALL  | SOCK |       |                              |           |                         | 783       | 4194           | -3411  | B1  |           |        |               |                      |             |      |
| 84 | AK | TAKU 111          | GN   | SOCK | 77233 |                              | 0.72      | 0.74                    | 55615     | 57372          |  | B1  |           |        |               | 133414               | 0.758       |      |
| 84 | AK | TAKU OTHER        | ALL  | SOCK |       |                              |           |                         | 5562      | 10041          | -6236  | B1  |           |        |               |                      |             |      |
| 84 | AK | ALSEK 182         | GN   | SOCK | 14326 |                              | 0.81      | 0.9                     | 11604     | 12893          |  | B1  |           |        |               | 21212                |             |      |
| 84 | AK | ALSEK OTHER       | ALL  | SOCK |       |                              |           |                         | 1160      | 1795           | -1924  | B1  |           |        |               |                      |             |      |
| 84 | AK | OTHER RIVERS      | ALL  | SOCK |       |                              |           |                         | 500       | 10000          | -9500  | B1  | 83051     | 104122 | -21071        |                      |             |      |
| 84 | BC | STIKINE           | GN   | SOCK | 0     |                              | 1.00      | 1.00                    | 0         | 0              |  | B2  |           |        |               |                      |             |      |
| 84 | BC | STIKINE           | IF   | SOCK | 5327  |                              | 1.00      | 1.00                    | 5327      | 5327           | 0  | B2  |           |        |               |                      |             |      |
| 84 | BC | TAKU              | GN   | SOCK | 27242 |                              | 1.00      | 1.00                    | 27242     | 27242          | 0  | B2  |           |        |               |                      |             |      |
| 84 | BC | ALSEK             | IF   | SOCK | 2500  |                              | 1.00      | 1.00                    | 2500      | 2500           |  | B2  |           |        |               |                      |             |      |
| 84 | BC | ALSEK             | SP   | SOCK | 289   |                              | 1.00      | 1.00                    | 289       | 289            | 0  | B2  | 35358     | 35358  | 0             |                      |             |      |
| 85 | AK | STIKINE 106 & 108 | GN   | SOCK |       |                              |           |                         | 29747     | 29747          |  | B1  |           |        |               | 172717               |             |      |
| 85 | AK | STIKINE OTHER     | ALL  | SOCK |       |                              |           |                         | 2975      | 10656          | -7681  | B1  |           |        |               |                      |             |      |
| 85 | AK | TAKU 111          | GN   | SOCK | 88192 |                              | 0.80      | 0.82                    | 70210     | 72427          |  | B1  |           |        |               | 118160               | 0.838       |      |
| 85 | AK | TAKU OTHER        | ALL  | SOCK |       |                              |           |                         | 7021      | 10031          | -5227  | B1  |           |        |               |                      |             |      |
| 85 | AK | ALSEK 182         | GN   | SOCK | 5940  |                              | 0.81      | 0.90                    | 4811      | 5346           |  | B1  |           |        |               | 31033                |             |      |
| 85 | AK | ALSEK OTHER       | ALL  | SOCK |       |                              |           |                         | 481       | 1915           | -1968  | B1  |           |        |               |                      |             |      |
| 85 | AK | OTHER RIVERS      | ALL  | SOCK |       |                              |           |                         | 500       | 10000          | -9500  | B1  | 115745    | 140121 | -24377        |                      |             |      |
| 85 | BC | STIKINE           | GN   | SOCK | 18177 |                              | 1.00      | 1.00                    | 18177     | 18177          |  | B2  |           |        |               |                      |             |      |
| 85 | BC | STIKINE           | IF   | SOCK | 7287  |                              | 1.00      | 1.00                    | 7287      | 7287           | 0  | B2  |           |        |               |                      |             |      |
| 85 | BC | TAKU              | GN   | SOCK | 14244 |                              | 1.00      | 1.00                    | 14244     | 14244          | 0  | B2  |           |        |               |                      |             |      |
| 85 | BC | ALSEK             | IF   | SOCK | 1361  |                              | 1.00      | 1.00                    | 1361      | 1361           |  | B2  |           |        |               |                      |             |      |
| 85 | BC | ALSEK             | SP   | SOCK | 100   |                              | 1.00      | 1.00                    | 100       | 100            | 0  | B2  | 41169     | 41169  | 0             |                      |             |      |
| 86 | AK | STIKINE 106 & 108 | GN   | SOCK |       |                              |           |                         | 6420      | 6420           |  | B1  |           |        |               | 63548                |             |      |
| 86 | AK | STIKINE OTHER     | ALL  | SOCK |       |                              |           |                         | 642       | 3683           | -3041  | B1  |           |        |               |                      |             |      |
| 86 | AK | TAKU 111          | GN   | SOCK | 73061 |                              | 0.79      | 0.82                    | 57886     | 59714          |  | B1  |           |        |               | 105109               | 0.834       |      |
| 86 | AK | TAKU OTHER        | ALL  | SOCK |       |                              |           |                         | 5789      | 8675           | -4714  | B1  |           |        |               |                      |             |      |
| 86 | AK | ALSEK 182         | GN   | SOCK | 24791 |                              | 0.81      | 0.9                     | 20081     | 22312          |  | B1  |           |        |               | 41417                |             |      |
| 86 | AK | ALSEK OTHER       | ALL  | SOCK |       |                              |           |                         | 2008      | 3354           | -3577  | B1  |           |        |               |                      |             |      |
| 86 | AK | OTHER RIVERS      | ALL  | SOCK |       |                              |           |                         | 500       | 10000          | -9500  | B1  | 93326     | 114158 | -20832        |                      |             |      |
| 86 | BC | STIKINE           | GN   | SOCK | 13226 |                              | 1.00      | 1.00                    | 13226     | 13226          |  | B2  |           |        |               |                      |             |      |
| 86 | BC | STIKINE           | IF   | SOCK | 4208  |                              | 1.00      | 1.00                    | 4208      | 4208           | 0  | B2  |           |        |               |                      |             |      |
| 86 | BC | TAKU              | GN   | SOCK | 14739 |                              | 1.00      | 1.00                    | 14739     | 14739          | 0  | B2  |           |        |               |                      |             |      |
| 86 | BC | ALSEK             | IF   | SOCK | 1914  |                              | 1.00      | 1.00                    | 1914      | 1914           |  | B2  |           |        |               |                      |             |      |
| 86 | BC | ALSEK             | SP   | SOCK | 307   |                              | 1.00      | 1.00                    | 307       | 307            | 0  | B2  | 34394     | 34394  | 0             |                      |             |      |
| 87 | AK | STIKINE 106 & 108 | GN   | SOCK |       |                              |           |                         | 4061      | 4061           |  | B1  |           |        |               | 39262                |             |      |
| 87 | AK | STIKINE OTHER     | ALL  | SOCK |       |                              |           |                         | 406       | 2280           | -1874  | B1  |           |        |               |                      |             |      |
| 87 | AK | TAKU 111          | GN   | SOCK | 74457 |                              | 0.68      | 0.71                    | 50929     | 52537          |  | B1  |           |        |               | 87130                | 0.72        |      |
| 87 | AK | TAKU OTHER        | ALL  | SOCK |       |                              |           |                         | 5093      | 7351           | -3866  | B1  |           |        |               |                      |             |      |

U.S. AND CANADIAN ESTIMATES OF TBR SOCKEYE CATCH 1980 - 1988

| YR | Ju | Area              | Gear | Spec | Catch | PROP BOUND FOR TBR RIVERS |           |            | -- CATCH OF TBR SOCKEYE |            |       | ----- INTERCEPTION ----- |           |            |        | Notes | BORDER ESC | D111 SPA pTAKU |
|----|----|-------------------|------|------|-------|---------------------------|-----------|------------|-------------------------|------------|-------|--------------------------|-----------|------------|--------|-------|------------|----------------|
|    |    |                   |      |      |       | Adjusted Catch            | U.S. Est. | Candn Est. | U.S. Est.               | Candn Est. | Diff  | CAT                      | U.S. Est. | Candn Est. | Diff   |       |            |                |
| a  | b  | c                 | d    | e    | f     | g                         | h         | i          | k                       | l          | m     | o                        | p         | q          | r      | t     | u          | v              |
| 87 | AK | ALSEK 182         | GN   | SOCK | 11281 |                           | 0.81      | 0.90       | 9138                    | 10153      |       | B1                       |           |            |        |       | 17507      |                |
| 87 | AK | ALSEK OTHER       | ALL  | SOCK |       |                           |           |            | 914                     | 1456       | -1557 | B1                       |           |            |        |       |            |                |
| 87 | AK | OTHER RIVERS      | ALL  | SOCK |       |                           |           |            | 500                     | 10000      | -9500 | B1                       | 71040     | 87838      | -16798 |       |            |                |
| 87 | BC | STIKINE           | GN   | SOCK | 6636  |                           | 1.00      | 1.00       | 6636                    | 6636       |       | B2                       |           |            |        |       |            |                |
| 87 | BC | STIKINE           | IF   | SOCK | 2979  |                           | 1.00      | 1.00       | 2979                    | 2979       | 0     | B2                       |           |            |        |       |            |                |
| 87 | BC | TAKU              | GN   | SOCK | 13554 |                           | 1.00      | 1.00       | 13554                   | 13554      | 0     | B2                       |           |            |        |       |            |                |
| 87 | BC | ALSEK             | IF   | SOCK | 1158  |                           | 1.00      | 1.00       | 1158                    | 1158       |       | B2                       |           |            |        |       |            |                |
| 87 | BC | ALSEK             | SP   | SOCK | 383   |                           | 1.00      | 1.00       | 383                     | 383        | 0     | B2                       | 24710     | 24710      | 0      |       |            |                |
| 88 | AK | STIKINE 106 & 108 | GN   | SOCK |       |                           |           |            | 3185                    | 3185       |       | B1                       |           |            |        |       | 41914      |                |
| 88 | AK | STIKINE OTHER     | ALL  | SOCK |       |                           |           |            | 319                     | 2374       | -2055 | B1                       |           |            |        |       |            |                |
| 88 | AK | TAKU 111          | GN   | SOCK | 39168 |                           | 0.63      | 0.65       | 24670                   | 25449      |       | B1                       |           |            |        |       | 87028      | 0.663          |
| 88 | AK | TAKU OTHER        | ALL  | SOCK |       |                           |           |            | 2467                    | 5920       | -4232 | B1                       |           |            |        |       |            |                |
| 88 | AK | ALSEK 182         | GN   | SOCK | 6286  |                           | 0.81      | 0.90       | 5092                    | 5657       |       | B1                       |           |            |        |       | 15568      |                |
| 88 | AK | ALSEK OTHER       | ALL  | SOCK |       |                           |           |            | 509                     | 1117       | -1174 | B1                       |           |            |        |       |            |                |
| 88 | AK | OTHER RIVERS      | ALL  | SOCK |       |                           |           |            | 500                     | 10000      | -9500 | B1                       | 36741     | 53702      | -16961 |       |            |                |
| 88 | BC | STIKINE           | GN   | SOCK | 13114 |                           | 1.00      | 1.00       | 13114                   | 13114      |       | B2                       |           |            |        |       |            |                |
| 88 | BC | STIKINE           | IF   | SOCK | 2177  |                           | 1.00      | 1.00       | 2177                    | 2177       | 0     | B2                       |           |            |        |       |            |                |
| 88 | BC | TAKU              | GN   | SOCK | 12014 |                           | 1.00      | 1.00       | 12014                   | 12014      |       | B2                       |           |            |        |       |            |                |
| 88 | BC | TAKU              | IF   | SOCK | 295   |                           | 1.00      | 1.00       | 295                     | 295        | 0     | B2                       |           |            |        |       |            |                |
| 88 | BC | ALSEK             | IF   | SOCK | 1604  |                           | 1.00      | 1.00       | 1604                    | 1604       |       | B2                       |           |            |        |       |            |                |
| 88 | BC | ALSEK             | SP   | SOCK | 322   |                           | 1.00      | 1.00       | 322                     | 322        | 0     | B2                       | 29231     | 29231      | 0      |       |            |                |

## UNITED STATES TRANSBOUNDARY NOTES - SOCKEYE SALMON

### Catch Strata:

Catches from Alaskan commercial fisheries for all species are taken from ADF&G's RUNTIME catch database, updated as of September 1989. These catch data may also be found in the 1989 preliminary annual report of the Transboundary Technical Committee (TTC 1989).

For Alaskan fisheries, only catches from District 111 (for determining catches of Taku stocks) and Sub-districts 182-30 and -31 (for determining catches of Alek stocks) are included in the worksheet. Catches from other Alaskan districts of transboundary stocks spawning in Canadian portions of the rivers are calculated from border escapements (spawning escapement plus inriver above-border catches). U.S. catches in Districts 106 and 108 of Stikine sockeye stocks that spawn in Canadian portions of the river, as well as all border escapements, are taken directly from TTC (1989).

### Category B1 Catches:

Stikine River. The U.S. estimates of U.S. District 106 and 108 gill net catches of Stikine sockeye stocks that spawn in Canadian portions of the river are based on ADF&G's scale pattern analysis and may be found in Appendix B.28 of TTC (1989). Catches of these Stikine stocks in other Alaskan fishing districts is assumed to equal 10% of the combined District 106 and 108 catches of these stocks.

Taku River. The U.S. estimates of U.S. District 111 gill net catches of all Taku sockeye stocks are based on ADF&G's scale pattern analysis. Scale pattern estimates are available for 1983 to 1988 and can be found in Appendix D.2 of TTC (1989). For 1980 to 1982, an average proportion of Taku stocks in the district catch from the 1983 to 1988 data is used. These catch estimates include Taku stocks that spawn in tributaries in the U.S. portion of the drainage. Results of radio-tagging studies (Eiler et al. 1988) indicate that roughly 5% of the sockeye escapement in the Taku drainage occurs in the U.S.; therefore, the catch estimates are reduced by this amount to represent the catch of Taku River sockeye stocks that spawn in the Canadian portion of the drainage. District 111 catch figures were taken from Appendix D.1 of TTC (1989). As for the Stikine River, the estimate of catches in other Alaskan fishing districts of Taku stocks spawning in Canadian portions of the drainage is assumed to equal 10% of the District 111 gill net catch of these stocks.

Alek River. The proportion (0.81) of the Alaskan Dry Bay set gill net catch that are Alek River sockeye stocks that spawn in Canadian portions of the drainage was estimated using data from an ADF&G adult tagging project and aerial survey estimates of the U.S. escapement of sockeye salmon (McBride & Bernard 1984). Dry Bay catch figures were taken from Appendix E.3 of TTC (1989). The catch of Alek River sockeye stocks in other fisheries in the Yakutat area is undocumented, but probably occurs at a low level. The catch in these other fisheries of Alek stocks that spawn in Canadian portions of the drainage is assumed to equal 10% of the Dry Bay catch of these stocks.

Other Systems. Available information on sockeye salmon production from Canadian portions of the Chilkat, Whiting and Unuk Rivers is limited. Sockeye salmon have been documented in low numbers during spawning ground surveys of a Canadian lake in the Whiting River drainage and in Border Lake, located in Canadian portions of the Unuk River (Anthony et al. 1965). Numbers observed have been very small, and no sockeye salmon have been documented in Canadian portions of the Chilkat River drainage. In recognition that some limited level of sockeye salmon production occurs in Canadian portions of the "other systems", it is estimated that these systems contribute 500 fish annually to U.S. catches.

**References:**

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- McBride, D. and D. Bernard. 1984. Estimation of the 1983 sockeye salmon (*Oncorhynchus nerka*) return to the Alsek River through analysis of tagging data. ADF&G, Commercial Fisheries Division, Technical Data Report No. 115. Juneau, AK.
- Transboundary Technical Committee (TTC). 1989. Preliminary salmon catches, escapements, and enhancement activities in the transboundary rivers in 1989. Unpublished report prepared for the Pacific Salmon Commission and Northern Panel.

## CANADIAN TRANSBOUNDARY NOTES - SOCKEYE SALMON

### Stikine River:

1. Catch data are from the 1989 preliminary catch and escapement report of the Transboundary River Technical Committee (TRTC), November 1989.
2. Inriver run is from the 1989 preliminary catch and escapement report of the TRTC, November 1989.
3. The District 8 and 6 catch of Stikine sockeye is derived from ADF&G scale pattern analyses, the results of which are updated in the TRTC preliminary 1989 catch and escapement report.
4. The estimated "outside" interception is calculated by assuming the inriver run plus the District 8 and 6 catch represents 0.95 of the total run (professional judgement). This sum, when divided by 0.95 gives the Canadian estimate of total run; the outside catch is then calculated by subtracting out the District 6 and 8 catch and the inriver run.

### Taku River:

1. The District 111 catch data are from the preliminary 1989 catch and escapement report of the TRTC, November 1989.
2. Annual contribution rates of Taku sockeye to the District 111 fishery are derived from ADF&G scale pattern analyses from 1983 to 1989; the results are listed in the 1989 preliminary catch and escapement report of the TRTC, November 1989. The contribution rate used for 1979 through 1982 was the 1983 to 1988 average.
3. It is assumed that 0.98 of the Taku-bound sockeye caught in District 111 are of Canadian origin. This is based on professional judgement.
4. The border escapement from 1983 to 1989 is based on tagging results; the results from 1984 on are tabulated in the preliminary TRTC report on the 1989 catch and escapement, November 1989. The 1983 border escapement tagging estimate used was the mid-point of the range (127k to 148k) reported in the 1985 catch and escapement report of the TRTC, February 1986. The border escapement for 1979 to 1981 was estimated by assuming a 0.15 harvest rate for the years in which inriver runs were estimated. The 1982 border escapement was estimated assuming a harvest rate of 0.35 in the D-111 fishery; again based on professional judgement, the result of which was close to the average of years in which run reconstructions were done.
5. The estimates of "outside" interception were calculated by assuming the border escapement plus the D-111 interception plus the border escapement from the estimated total run.

### Alsek River:

1. Dry Bay catch data are from the preliminary 1989 catch and escapement report of the TRTC, November 1989.
2. It was assumed that 0.90 of the Dry Bay catch was of Canadian origin. This factor is based on professional judgement.

3. The border escapement was calculated assuming the Klukshu sockeye weir count represented 0.60 of the border escapement. This factor was based on professional judgement. The weir count data are from the preliminary 1989 catch and escapement report of the TRTC, November 1989.
4. The "outside" interception was calculated by assuming the border escapement plus the Dry Bay interception = 0.95 of the total run. This factor was based on professional judgement. The catch outside was obtained by subtracting this sum (border esc + [Dry Bay X 0.9]) from the estimated total run.

### **Other Transboundary Systems:**

1. A constant interception of 10,000 sockeye from other transboundary systems is assumed. This is based on the knowledge that sockeye do exist in the Unuk River, and may also exist in the Whiting River (anecdotal reports of sockeye in Whiting Lake). It is unknown whether sockeye exist in the Canadian portions of the Chicamin or Chilkat rivers.

**CATCH ESTIMATES: TRANSBOUNDARY PINK**

U.S. AND CANADIAN ESTIMATES OF TBR PINK CATCH 1980 - 1988

| YR | Ju | Area               | Gear | Spec | Catch  | PROP BOUND FOR TBR RIVERS |       |       |       | -- CATCH OF TBR PINK -- |         |     | ----- INTERCEPTION ----- |        |         |   | Notes |
|----|----|--------------------|------|------|--------|---------------------------|-------|-------|-------|-------------------------|---------|-----|--------------------------|--------|---------|---|-------|
|    |    |                    |      |      |        | Adjusted                  | U.S.  | Candn | U.S.  | Candn                   | Diff    | CAT | U.S.                     | Candn  | Diff    |   |       |
| a  | b  | c                  | d    | e    | f      | g                         | h     | i     | k     | l                       | m       | o   | p                        | q      | r       | t |       |
| 80 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 0      |                           | 0.000 | 0.109 |       | 0                       |         | B1  |                          |        |         |   |       |
| 80 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 132492 |                           | 0.427 | 0.543 | 56574 | 71991                   |         | B1  |                          |        |         |   |       |
| 80 | AK | TAKU-11216(-wk 29) | SE   | PINK | 0      |                           | 0.100 |       | 0     |                         |         | B1  |                          |        |         |   |       |
| 80 | AK | TAKU-112 (-wk 29)  | SE   | PINK | 0      |                           |       | 0.272 |       | 0                       |         | B1  |                          |        |         |   |       |
| 80 | AK | TAKU-11427(-wk 29) | SE   | PINK | 0      |                           | 0.050 |       | 0     |                         |         | B1  |                          |        |         |   |       |
| 80 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 0      |                           |       | 0.272 |       | 0                       | -15417  | B1  |                          |        |         |   |       |
| 80 | AK | ALSEK, DRY BAY     | SN   | PINK | 21     |                           | 0.000 | 0.500 |       | 11                      | -11     | B1  |                          |        |         |   |       |
| 80 | AK | STIKINE-108        | GN   | PINK | 14053  |                           | 0.010 |       | 141   |                         |         | B1  |                          |        |         |   |       |
| 80 | AK | STIKINE            | ALL  | PINK |        |                           |       |       |       | 1699                    | -1558   | B1  |                          |        |         |   |       |
| 80 | AK | OTHERS             | ALL  | PINK |        |                           |       |       | 100   | 10000                   | -9900   | B1  | 56815                    | 83700  | -26886  |   |       |
| 80 | BC | STIKINE            | GN   | PINK | 756    |                           | 1.000 | 1.000 | 756   | 756                     |         | B2  |                          |        |         |   |       |
| 80 | BC | STIKINE            | IF   | PINK | 0      |                           |       |       | 0     | 0                       | 0       | B2  |                          |        |         |   |       |
| 80 | BC | TAKU               | GN   | PINK | 26821  |                           | 1.000 | 1.000 | 26821 | 26821                   | 0       | B2  | 27577                    | 27577  | 0       |   |       |
| 81 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 3184   |                           | 0.000 | 0.109 |       | 346                     |         | B1  |                          |        |         |   |       |
| 81 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 172016 |                           | 0.427 | 0.543 | 73451 | 93467                   |         | B1  |                          |        |         |   |       |
| 81 | AK | TAKU-11216(-wk 29) | SE   | PINK | 243279 |                           | 0.100 |       | 24328 |                         |         | B1  |                          |        |         |   |       |
| 81 | AK | TAKU 112 (-wk 29)  | SE   | PINK | 260469 |                           |       | 0.272 |       | 70764                   |         | B1  |                          |        |         |   |       |
| 81 | AK | TAKU-11427(-wk 29) | SE   | PINK | 407903 |                           | 0.050 |       | 20395 |                         |         | B1  |                          |        |         |   |       |
| 81 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 407903 |                           |       | 0.272 |       | 110819                  | -157222 | B1  |                          |        |         |   |       |
| 81 | AK | ALSEK, DRY BAY     | SN   | PINK | 65     |                           | 0.000 | 0.500 |       | 33                      | -33     | B1  |                          |        |         |   |       |
| 81 | AK | STIKINE-108        | GN   | PINK | 8833   |                           | 0.010 |       | 88    |                         |         | B1  |                          |        |         |   |       |
| 81 | AK | STIKINE            | ALL  | PINK |        |                           |       |       |       | 15908                   | -15820  | B1  |                          |        |         |   |       |
| 81 | AK | OTHERS             | ALL  | PINK |        |                           |       |       | 100   | 10000                   | -9900   | B1  | 118362                   | 301337 | -182974 |   |       |
| 81 | BC | STIKINE            | GN   | PINK | 3713   |                           | 1.000 | 1.000 | 3713  | 3713                    |         | B2  |                          |        |         |   |       |
| 81 | BC | STIKINE            | IF   | PINK | 0      |                           | 1.000 | 1.000 | 0     | 0                       | 0       | B2  |                          |        |         |   |       |
| 81 | BC | TAKU               | GN   | PINK | 10771  |                           | 1.000 | 1.000 | 10771 | 10771                   | 0       | B2  | 14484                    | 14484  | 0       |   |       |
| 82 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 0      |                           | 0.000 | 0.109 |       | 0                       |         | B1  |                          |        |         |   |       |
| 82 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 36740  |                           | 0.427 | 0.543 | 15688 | 19963                   |         | B1  |                          |        |         |   |       |
| 82 | AK | TAKU-11216(-wk 29) | SE   | PINK | 0      |                           | 0.100 |       | 0     |                         |         | B1  |                          |        |         |   |       |
| 82 | AK | TAKU 112 (-wk 29)  | SE   | PINK | 169349 |                           |       | 0.272 |       | 46009                   |         | B1  |                          |        |         |   |       |
| 82 | AK | TAKU-11427(-wk 29) | SE   | PINK | 0      |                           | 0.050 |       | 0     |                         |         | B1  |                          |        |         |   |       |
| 82 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 0      |                           |       | 0.272 |       | 0                       | -50284  | B1  |                          |        |         |   |       |
| 82 | AK | ALSEK, DRY BAY     | SN   | PINK | 6      |                           | 0.000 | 0.500 |       | 3                       | -3      | B1  |                          |        |         |   |       |
| 82 | AK | STIKINE-108        | GN   | PINK | 6886   |                           | 0.010 |       | 69    |                         |         | B1  |                          |        |         |   |       |
| 82 | AK | STIKINE            | ALL  | PINK |        |                           |       |       |       | 5281                    | -5212   | B1  |                          |        |         |   |       |
| 82 | AK | OTHERS             | ALL  | PINK |        |                           |       |       | 100   | 10000                   | -9900   | B1  | 15857                    | 81256  | -65399  |   |       |
| 82 | BC | STIKINE            | GN   | PINK | 1782   |                           | 1.000 | 1.000 | 1782  | 1782                    |         | B2  |                          |        |         |   |       |
| 82 | BC | STIKINE            | IF   | PINK | 144    |                           | 1.000 | 1.000 | 144   | 144                     | 0       | B2  |                          |        |         |   |       |
| 82 | BC | TAKU               | GN   | PINK | 202    |                           | 1.000 | 1.000 | 202   | 202                     | 0       | B2  | 2128                     | 2128   | 0       |   |       |
| 83 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 0      |                           | 0.000 | 0.109 |       | 0                       |         | B1  |                          |        |         |   |       |
| 83 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 29803  |                           | 0.427 | 0.543 | 12726 | 16194                   |         | B1  |                          |        |         |   |       |
| 83 | AK | TAKU-11216(-wk 29) | SE   | PINK | 0      |                           | 0.100 |       | 0     |                         |         | B1  |                          |        |         |   |       |
| 83 | AK | TAKU 112 (-wk 29)  | SE   | PINK | 116796 |                           |       | 0.272 |       | 31731                   |         | B1  |                          |        |         |   |       |
| 83 | AK | TAKU-11427(-wk 29) | SE   | PINK | 0      |                           | 0.050 |       | 0     |                         |         | B1  |                          |        |         |   |       |

U.S. AND CANADIAN ESTIMATES OF TBR PINK CATCH 1980 - 1988

| YR | Ju | Area               | Gear | Spec | Catch   | PROP BOUND FOR<br>TBR RIVERS |              |               | -- CATCH OF TBR PINK -- |               |         | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |              |               |         | Notes |
|----|----|--------------------|------|------|---------|------------------------------|--------------|---------------|-------------------------|---------------|---------|--|--------------|---------------|---------|-------|
|    |    |                    |      |      |         | Adjusted<br>Catch            | U.S.<br>Est. | Candn<br>Est. | U.S.<br>Est.            | Candn<br>Est. | Diff    | CAT  | U.S.<br>Est. | Candn<br>Est. | Diff    |       |
| a  | b  | c                  | d    | e    | f       | g                            | h            | i             | k                       | l             | m       | o  | p            | q             | r       | t     |
| 83 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 0       |                              |              | 0.272         |                         | 0             | -35199  | B1   |              |               |         |       |
| 83 | AK | ALSEK, DRY BAY     | SN   | PINK | 20      |                              | 0.000        | 0.500         |                         | 10            | -10     | B1   |              |               |         |       |
| 83 | AK | STIKINE-108        | GN   | PINK | 178     |                              | 0.010        |               | 2                       |               |         | B1   |              |               |         |       |
| 83 | AK | STIKINE            | ALL  | PINK |         |                              |              |               |                         | 2888          | -2886   | B1   |              |               |         |       |
| 83 | AK | OTHERS             | ALL  | PINK |         |                              |              |               | 100                     | 10000         | -9900   | B1   | 12828        | 60823         | -47995  |       |
| 83 | BC | STIKINE            | GN   | PINK | 1043    |                              | 1.000        | 1.000         | 1043                    | 1043          |         | B2   |              |               |         |       |
| 83 | BC | STIKINE            | IF   | PINK | 60      |                              | 1.000        | 1.000         | 60                      | 60            | 0       | B2   |              |               |         |       |
| 83 | BC | TAKU               | GN   | PINK | 1874    |                              | 1.000        | 1.000         | 1874                    | 1874          | 0       | B2   | 2977         | 2977          | 0       |       |
| 84 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 66557   |                              | 0.000        | 0.102         |                         | 6798          |         | B1   |              |               |         |       |
| 84 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 80443   |                              | 0.403        | 0.511         | 32419                   | 41084         |         | B1   |              |               |         |       |
| 84 | AK | TAKU-11216(-wk 29) | SE   | PINK | 0       |                              | 0.100        |               | 0                       |               |         | B1   |              |               |         |       |
| 84 | AK | TAKU 112 (-wk 29)  | SE   | PINK | 179195  |                              |              | 0.255         |                         | 45760         |         | B1   |              |               |         |       |
| 84 | AK | TAKU-11427(-wk 29) | SE   | PINK | 9010    |                              | 0.050        |               | 451                     |               |         | B1   |              |               |         |       |
| 84 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 9641    |                              |              | 0.255         |                         | 2462          | -63235  | B1   |              |               |         |       |
| 84 | AK | ALSEK, DRY BAY     | SN   | PINK | 24      |                              | 0.000        | 0.500         |                         | 12            | -12     | B1   |              |               |         |       |
| 84 | AK | STIKINE-108        | GN   | PINK | 1290    |                              | 0.010        |               | 13                      |               |         | B1   |              |               |         |       |
| 84 | AK | STIKINE            | CN   | PINK |         |                              |              |               |                         | 5695          | -5682   | B1   |              |               |         |       |
| 84 | AK | OTHERS             | CN   | PINK |         |                              |              |               | 100                     | 10000         | -9900   | B1   | 32982        | 111811        | -78829  |       |
| 84 | BC | STIKINE            | GN   | PINK | 0       |                              | 1.000        | 1.000         | 0                       | 0             |         | B2   |              |               |         |       |
| 84 | BC | STIKINE            | IF   | PINK | 77      |                              | 1.000        | 1.000         | 77                      | 77            | 0       | B2   |              |               |         |       |
| 84 | BC | TAKU               | GN   | PINK | 6964    |                              | 1.000        | 1.000         | 6964                    | 6964          | 0       | B2   | 7041         | 7041          | 0       |       |
| 85 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 473705  |                              | 0.000        | 0.103         |                         | 48735         |         | B1   |              |               |         |       |
| 85 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 169145  |                              | 0.452        | 0.514         | 76454                   | 87009         |         | B1   |              |               |         |       |
| 85 | AK | TAKU-11216(-wk 29) | SE   | PINK | 203710  |                              | 0.100        |               | 20371                   |               |         | B1   |              |               |         |       |
| 85 | AK | TAKU 112 (-wk 29)  | SE   | PINK | 1112517 |                              |              | 0.257         |                         | 286141        |         | B1   |              |               |         |       |
| 85 | AK | TAKU-11427(-wk 29) | SE   | PINK | 125339  |                              | 0.050        |               | 6267                    |               |         | B1   |              |               |         |       |
| 85 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 198492  |                              |              | 0.257         |                         | 51052         | -369846 | B1   |              |               |         |       |
| 85 | AK | ALSEK, DRY BAY     | SN   | PINK | 3       |                              | 0.000        | 0.500         |                         | 2             | -2      | B1   |              |               |         |       |
| 85 | AK | STIKINE-108        | GN   | PINK | 1060    |                              | 0.010        |               | 11                      |               |         | B1   |              |               |         |       |
| 85 | AK | STIKINE            | ALL  | PINK |         |                              |              |               |                         | 15635         | -15624  | B1   |              |               |         |       |
| 85 | AK | OTHERS             | ALL  | PINK |         |                              |              |               | 100                     | 10000         | -9900   | B1   | 103202       | 498574        | -395372 |       |
| 85 | BC | STIKINE            | GN   | PINK | 2321    |                              | 1.000        | 1.000         | 2321                    | 2321          |         | B2   |              |               |         |       |
| 85 | BC | STIKINE            | IF   | PINK | 62      |                              | 1.000        | 1.000         | 62                      | 62            | 0       | B2   |              |               |         |       |
| 85 | BC | TAKU               | GN   | PINK | 3373    |                              | 1.000        | 1.000         | 3373                    | 3373          | 0       | B2   | 5756         | 5756          | 0       |       |
| 86 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 0       |                              | 0.000        | 0.111         |                         | 0             |         | B1   |              |               |         |       |
| 86 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 5253    |                              | 0.470        | 0.554         | 2469                    | 2909          |         | B1   |              |               |         |       |
| 86 | AK | TAKU-11216(-wk 29) | SE   | PINK | 0       |                              | 0.100        |               | 0                       |               |         | B1   |              |               |         |       |
| 86 | AK | TAKU 112 (-wk 29)  | SE   | PINK | 40486   |                              |              | 0.277         |                         | 11209         |         | B1   |              |               |         |       |
| 86 | AK | TAKU-11427(-wk 29) | SE   | PINK | 13098   |                              | 0.050        |               | 655                     |               |         | B1   |              |               |         |       |
| 86 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 13098   |                              |              | 0.277         |                         | 3626          | -14620  | B1   |              |               |         |       |
| 86 | AK | ALSEK, DRY BAY     | SN   | PINK | 13      |                              | 0.000        | 0.500         |                         | 7             | -7      | B1   |              |               |         |       |
| 86 | AK | STIKINE-108        | GN   | PINK | 4185    |                              | 0.010        |               | 42                      |               |         | B1   |              |               |         |       |
| 86 | AK | STIKINE            | ALL  | PINK |         |                              |              |               |                         | 365           | -323    | B1   |              |               |         |       |
| 86 | AK | OTHERS             | ALL  | PINK |         |                              |              |               | 100                     | 10000         | -9900   | B1   | 3266         | 28115         | -24849  |       |

U.S. AND CANADIAN ESTIMATES OF TBR PINK CATCH 1980 - 1988

| YR | Ju | Area               | Gear | Spec | Catch  | PROP BOUND FOR TBR RIVERS |           |            | -- CATCH OF TBR PINK -- |            |         | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |           |            |         | Notes |
|----|----|--------------------|------|------|--------|---------------------------|-----------|------------|-------------------------|------------|---------|--|-----------|------------|---------|-------|
|    |    |                    |      |      |        | Adjusted Catch            | U.S. Est. | Candn Est. | U.S. Est.               | Candn Est. | Diff    | CAT  | U.S. Est. | Candn Est. | Diff    |       |
| a  | b  | c                  | d    | e    | f      | g                         | h         | i          | k                       | l          | m       | o  | p         | q          | r       | t     |
| 86 | BC | STIKINE            | GN   | PINK | 107    |                           | 1.000     | 1.000      | 107                     | 107        |         | B2   |           |            |         |       |
| 86 | BC | STIKINE            | IF   | PINK | 35     |                           | 1.000     | 1.000      | 35                      | 35         | 0       | B2   |           |            |         |       |
| 86 | BC | TAKU               | GN   | PINK | 58     |                           | 1.000     | 1.000      | 58                      | 58         | 0       | B2   | 200       | 200        | 0       |       |
| 87 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 296203 |                           | 0.000     | 0.114      |                         | 33659      |         | B1   |           |            |         |       |
| 87 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 224437 |                           | 0.356     | 0.568      | 79900                   | 127521     |         | B1   |           |            |         |       |
| 87 | AK | TAKU-11216(-wk 29) | SE   | PINK | 200565 |                           | 0.100     |            | 20057                   |            |         | B1   |           |            |         |       |
| 87 | AK | TAKU 112 (-wk 29)  | SE   | PINK | 404035 |                           |           | 0.284      |                         | 114783     |         | B1   |           |            |         |       |
| 87 | AK | TAKU-11427(-wk 29) | SE   | PINK | 466044 |                           | 0.050     |            | 23302                   |            |         | B1   |           |            |         |       |
| 87 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 470099 |                           |           | 0.284      |                         | 133551     | -286256 | B1   |           |            |         |       |
| 87 | AK | ALSEK, DRY BAY     | SN   | PINK | 0      |                           | 0.000     | 0.500      |                         | 0          | 0       | B1   |           |            |         |       |
| 87 | AK | STIKINE-108        | GN   | PINK | 1620   |                           | 0.010     |            | 16                      |            |         | B1   |           |            |         |       |
| 87 | AK | STIKINE            | ALL  | PINK |        |                           |           |            |                         | 2866       | -2850   | B1   |           |            |         |       |
| 87 | AK | OTHERS             | ALL  | PINK |        |                           |           |            | 100                     | 10000      | -9900   | B1   | 123374    | 422380     | -299006 |       |
| 87 | BC | STIKINE            | GN   | PINK | 646    |                           | 1.000     | 1.000      | 646                     | 646        |         | B2   |           |            |         |       |
| 87 | BC | STIKINE            | IF   | PINK | 0      |                           | 1.000     | 1.000      | 0                       | 0          | 0       | B2   |           |            |         |       |
| 87 | BC | TAKU               | GN   | PINK | 6250   |                           | 1.000     | 1.000      | 6250                    | 6250       | 0       | B2   | 6896      | 6896       | 0       |       |
| 88 | AK | TAKU 110 (-wk 29)  | SE   | PINK | 128    |                           | 0.000     | 0.115      |                         | 15         |         | B1   |           |            |         |       |
| 88 | AK | TAKU 111 (-wk 30)  | GN   | PINK | 26494  |                           | 0.448     | 0.577      | 11869                   | 15279      |         | B1   |           |            |         |       |
| 88 | AK | TAKU-11216(-wk 29) | SE   | PINK | 0      |                           | 0.100     |            | 0                       |            |         | B1   |           |            |         |       |
| 88 | AK | TAKU 112 (-wk 29)  | SE   | PINK | 190186 |                           |           | 0.288      |                         | 54840      |         | B1   |           |            |         |       |
| 88 | AK | TAKU-11427(-wk 29) | SE   | PINK | 7039   |                           | 0.050     |            | 352                     |            |         | B1   |           |            |         |       |
| 88 | AK | TAKU-114 (-wk 29)  | SE   | PINK | 7039   |                           |           | 0.288      |                         | 2030       | -59943  | B1   |           |            |         |       |
| 88 | AK | ALSEK, DRY BAY     | SN   | PINK | 7      |                           | 0.000     | 0.500      |                         | 4          | -4      | B1   |           |            |         |       |
| 88 | AK | STIKINE-108        | GN   | PINK | 1246   |                           | 0.010     |            | 12                      |            |         | B1   |           |            |         |       |
| 88 | AK | STIKINE            | ALL  | PINK |        |                           |           |            |                         | 915        | -903    | B1   |           |            |         |       |
| 88 | AK | OTHERS             | ALL  | PINK |        |                           |           |            | 100                     | 10000      | -9900   | B1   | 12334     | 83082      | -70749  |       |
| 88 | BC | STIKINE            | GN   | PINK | 418    |                           | 1.000     | 1.000      | 418                     | 418        |         | B2   |           |            |         |       |
| 88 | BC | STIKINE            | IF   | PINK | 0      |                           | 1.000     | 1.000      | 0                       | 0          | 0       | B2   |           |            |         |       |
| 88 | BC | TAKU               | GN   | PINK | 1030   |                           | 1.000     | 1.000      | 1030                    | 1030       | 0       | B2   | 1448      | 1448       | 0       |       |

## UNITED STATES TRANSBOUNDARY NOTES - PINK SALMON

### Catch Strata:

Catches from Alaskan commercial fisheries for all species are taken from ADF&G's RUNTIME catch database, updated as of September 1989. These catch data may also be found in the 1989 preliminary annual report of the Transboundary Technical Committee (TTC 1989).

For Stikine stocks, catch from District 108 was used; for Alek stocks, catch from Sub-districts 182-30 and -31 (Dry Bay) was used. For Taku stocks the following strata were used: District 110 up through week 29, District 111 up through week 30, Sub-district 112-16 up through week 29 for U.S. estimates and the entire District 112 up through week 29 for Canadian estimates, and Sub-district 114-27 up through week 29 for U.S. estimates and the entire District 114 up through week 29 for Canadian estimates.

### Category B1 Catches:

Stikine River. Estimates of the catch in U.S. fisheries of Stikine River pink salmon stocks that spawn on the Canadian side of the border were estimated as 1% of the District 108 gill net pink salmon harvest each year. This proportion was assumed because of the small nature of the Stikine River pink salmon run and the number, location, and size of Alaskan pink salmon stocks present in the near-terminal fishing area. Catch data were obtained from TTC (1989).

Taku River. Estimates of the catch in U.S. fisheries of Taku River pink salmon stocks that spawn on the Canadian side of the border were derived by applying estimated stock proportions to catches in the District 111 gill net and District 112 and 114 seine fisheries. Taku River pink salmon are early run fish, while numerous Stephens Passage streams and several hatcheries in the Juneau area produce pink salmon with slightly later run timing although these stocks do overlap somewhat early in the season with Taku stocks. Taku River research fish wheel catches of pink salmon (McGregor and Clark 1989) and historical Taku Inlet harvests were used to determine when Taku pink salmon are available to marine fisheries (through statistical week 30 in District 111 and week 29 in seine districts). U.S. catch figures were obtained from RUNTIME (December 1989).

The stock proportions for the District 111 gill net catches of Taku River pink salmon stocks that spawn on the Canadian side of the border that apply prior to statistical week 31 for 1985 to 1987 were estimated as follows: calculate the ratio of the estimated annual Taku River escapement (as estimated by joint U.S.-Canada mark-recapture studies; Clark et al. 1986, McGregor and Clark 1988) to other U.S. District 111 pink salmon escapements (excluding Seymour Canal and Youngs Bay systems, but excluding local hatchery rack returns and terminal harvests), and then expand this ratio by the proportion of the Taku River research fish wheel catch that had not passed the fish wheel site by the end of week 31 (this accounts for the small portion of the Taku run that returns through District 111 after week 30). This average 1985 to 1987 estimated stock proportion was used for the years 1980 to 1984 and 1988. Catches of Taku River pink salmon in seine fisheries are believed to occur along the Hawk Inlet shore of Admiralty Island (Sub-district 112-16) and eastern Icy Strait (Sub-district 114-27) prior to statistical week 30. The proportion of the stock in the Hawk Inlet fishery is assumed to be 10% due to the large number of fish from other pink salmon producing systems as shown by tagging studies (Hoffman 1982). The proportion of Taku River stocks in the eastern Icy Strait catches is assumed to be 5%, since adult tagging studies in 1977 and 1978 revealed lower contributions of District 111 pink salmon stocks in this area than at Hawk Inlet (Hoffman 1982).

Alek River. The Alek River produces virtually no pink salmon. Alaskan stocks are assumed to comprise 100% of the insignificant harvest (annual harvest ranged from 0 to 65 fish from 1980 to 1988). Catch data were obtained from RUNTIME (December 1989).

Other Systems. Available information on pink salmon production from Canadian portions of the Chilkat, Whiting, and Unuk Rivers is limited; however, no production has been documented during U.S. surveys of Canadian portions of these drainages (unpublished data). In recognition that some limited pink salmon production may occur in Canadian portions of these systems, the combined "other systems" contribution to Alaskan fisheries was estimated at 100 fish annually.

## References:

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- Hoffman, S. 1982. Northern Southeastern Alaska pink salmon (*Oncorhynchus gorbuscha*) tagging investigations, 1977-1980. ADF&G, Commercial Fisheries Division, Informational Leaflet No. 196. Juneau, Ak.
- McGregor, A. and J.E. Clark. 1988. Migratory timing and escapement of Taku River salmon stocks in 1987. ADF&G, Commercial Fisheries Division, Regional Information Report No. 1J88-26, Juneau, Ak.
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- Transboundary Technical Committee (TTC). 1989. Preliminary salmon catches, escapements, and enhancement activities in the transboundary rivers in 1989. Unpublished report prepared for the Pacific Salmon Commission and Northern Panel.

## CANADIAN TRANSBOUNDARY NOTES - PINK SALMON

### Stikine River:

The basic approach was to estimate the border escapement and assume an overall U.S. harvest rate which was not gear/area specific.

1. Canadian catch data are from the 1989 preliminary catch and escapement report of the TRTC, November 1989.
2. Border escapement for all years except 1984 was estimated by applying the harvest rate on sockeye in the lower river commercial fishery to the lower river pink catch; the estimate for 1984 uses the 1980 to 1988 average border escapement. The sockeye harvest rate data for the lower river exists from the annual inriver run reconstructions documented in the preliminary 1989 TRTC catch and escapement report.
3. Estimates of annual U.S. interceptions are based on an assumed 40% U.S. harvest rate; i.e. border escapement equals 60% of total run (professional judgement).

### Taku River:

The basic approach was to use the annual pink timing data from Taku fishwheel catches to estimate, i.e. back calculate, when the Taku stocks were vulnerable to various fisheries. Assumed contribution rates were applied to the catches in each District during the "vulnerable" period. The resulting catch data were adjusted by a timing factor from the fishwheel information.

1. The proportion of the pink run past the fishwheels through week 31 was calculated from the cumulative pink catch data from the Canyon Island fishwheels.
2. The District 111 catch data was obtained from ADF&G in early November 1989 - likely from RUNTIME. It was assumed that the timing lag from District 111 to the fishwheels was one week. The timing delay of one week was an estimate discussed with ADF&G and which is supported to some extent by ADF&G historical tagging data. The weekly catches in District 111 were summed through week 30 and it was assumed that 0.50 of these subtotals were of Canadian origin. To these estimates an expansion factor was applied based on the proportions of run as calculated in paragraph 1. above, i.e. to adjust for run timing data.
3. The same basic approach was used to estimate the interception in each of Districts 110, 112 and 114, except a two week timing delay was assumed between these areas and the Taku fishwheels. Catch data were supplied by ADF&G from RUNTIME. The timing delay of two weeks was an estimate discussed with ADF&G and which is supported to some extent by ADF&G historic tagging data. Therefore catches through week 29 were summed in each of these districts which were then factored by the run timing data. The assumed contribution rates to the catches through week 29 were: 0.10 in District 110; and, 0.25 in each of Districts 112 and 114. The contribution rates are a professional judgement.

### Alsek River:

The basic approach was to assume a constant contribution rate to the Dry Bay catches.

1. The Dry Bay catch data used were from the 1989 preliminary catch and escapement report of the TRTC, November 1989

2. It was assumed that 0.50 of the catch in Dry Bay was of Canadian origin (professional judgement).

**Other Transboundary Systems:**

1. A constant annual interception of 10,000 pink salmon from other systems was assumed and represents a professional judgement. Pink salmon are known to exist in the Canadian portions of the Unuk River; their presence in other systems is unknown.

**CATCH ESTIMATES: TRANSBOUNDARY CHUM**

U.S. AND CANDIAN SALMON ESTIMATES OF TRANSBOUNDARY CHUM CATCH 1980 - 1988

| YR | Ju | Area               | Gear | Spec | Catch  | PROP BOUND FOR |      |       | -- CATCH OF TBR CHUM -- |        |        | ----- INTERCEPTION ----- |        |        |        | Notes |
|----|----|--------------------|------|------|--------|----------------|------|-------|-------------------------|--------|--------|--------------------------|--------|--------|--------|-------|
|    |    |                    |      |      |        | Adjusted       | U.S. | Candn | U.S.                    | Candn  | Diff   | --- CATEGORY SUMMARY --- |        |        |        |       |
| a  | b  | c                  | d    | e    | f      | Catch          | Est. | Est.  | Est.                    | Est.   | Diff   | CAT                      | U.S.   | Candn  | Diff   | t     |
|    |    |                    |      |      |        | g              | h    | i     | k                       | l      | m      | o                        | p      | q      | r      |       |
| 80 | AK | STIKINE            | GN   | CHUM |        |                |      |       | 855                     | 1780   | -925   | B1                       |        |        |        |       |
| 80 | AK | TAKU-110(wk 31-)   | SE   | CHUM | 220    |                | 0.00 | 0.10  |                         | 22     |        | B1                       |        |        |        |       |
| 80 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 138241 |                | 0.90 |       | 124417                  |        |        | B1                       |        |        |        |       |
| 80 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 143128 |                |      | 0.90  |                         | 128815 |        | B1                       |        |        |        |       |
| 80 | AK | TAKU-11131(wk 33-) | GN   | CHUM | 17305  |                | 0.50 |       | 8653                    |        |        | B1                       |        |        |        |       |
| 80 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 19899  |                |      | 0.70  |                         | 13929  |        | B1                       |        |        |        |       |
| 80 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 9040   |                | 0.05 |       | 452                     |        |        | B1                       |        |        |        |       |
| 80 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 82498  |                |      | 0.25  |                         | 20625  |        | B1                       |        |        |        |       |
| 80 | AK | TAKU-11480(wk 32-) | SE   | CHUM | 189084 |                | 0.05 |       | 9454                    |        |        | B1                       |        |        |        |       |
| 80 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 226135 |                |      | 0.20  |                         | 45227  | -65642 | B1                       |        |        |        |       |
| 80 | AK | ALSEK, DRY BAY     | SN   | CHUM | 1005   |                | 0.50 | 0.50  | 503                     | 503    | 0      | B1                       |        |        |        |       |
| 80 | AK | OTHERS             | ALL  | CHUM |        |                |      |       | 500                     | 10000  | -9500  | B1                       | 144833 | 220901 | -76067 |       |
| 80 | BC | STIKINE            | GN   | CHUM | 771    |                | 1.00 | 1.00  | 771                     | 771    | 0      | B2                       |        |        |        |       |
| 80 | BC | STIKINE            | IF   | CHUM | 0      |                | 1.00 | 1.00  | 0                       | 0      | 0      | B2                       |        |        |        |       |
| 80 | BC | TAKU               | GN   | CHUM | 18516  |                | 1.00 | 1.00  | 18516                   | 18516  | 0      | B2                       | 19287  | 19287  | 0      |       |
| 81 | AK | STIKINE            | GN   | CHUM |        |                |      |       | 1124                    | 4833   | -3709  | B1                       |        |        |        |       |
| 81 | AK | TAKU-110(wk 31-)   | SE   | CHUM | 1078   |                | 0.00 | 0.10  |                         | 108    |        | B1                       |        |        |        |       |
| 81 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 41459  |                | 0.90 |       | 37313                   |        |        | B1                       |        |        |        |       |
| 81 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 41459  |                |      | 0.90  |                         | 37313  |        | B1                       |        |        |        |       |
| 81 | AK | TAKU-11131(wk 33-) | GN   | CHUM | 5959   |                | 0.50 |       | 2980                    |        |        | B1                       |        |        |        |       |
| 81 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 7452   |                |      | 0.70  |                         | 5216   |        | B1                       |        |        |        |       |
| 81 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 6795   |                | 0.05 |       | 340                     |        |        | B1                       |        |        |        |       |
| 81 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 18407  |                |      | 0.25  |                         | 4602   |        | B1                       |        |        |        |       |
| 81 | AK | TAKU-11480(wk 32-) | SE   | CHUM | 101641 |                | 0.05 |       | 5082                    |        |        | B1                       |        |        |        |       |
| 81 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 103994 |                |      | 0.20  |                         | 20799  | -22323 | B1                       |        |        |        |       |
| 81 | AK | ALSEK, DRY BAY     | SN   | CHUM | 816    |                | 0.50 | 0.50  | 408                     | 408    | 0      | B1                       |        |        |        |       |
| 81 | AK | OTHERS             | ALL  | CHUM |        |                |      |       | 500                     | 10000  | -9500  | B1                       | 47746  | 83279  | -35532 |       |
| 81 | BC | STIKINE            | GN   | CHUM | 1128   |                | 1.00 | 1.00  | 1128                    | 1128   | 0      | B2                       |        |        |        |       |
| 81 | BC | STIKINE            | IF   | CHUM | 0      |                | 1.00 | 1.00  | 0                       | 0      | 0      | B2                       |        |        |        |       |
| 81 | BC | TAKU               | GN   | CHUM | 5591   |                | 1.00 | 1.00  | 5591                    | 5591   | 0      | B2                       | 6719   | 6719   | 0      |       |
| 82 | AK | STIKINE            | GN   | CHUM |        |                |      |       | 1523                    | 2140   | -617   | B1                       |        |        |        |       |
| 82 | AK | TAKU-110(wk 31-)   | SE   | CHUM | 10124  |                | 0.00 | 0.10  |                         | 1012   |        | B1                       |        |        |        |       |
| 82 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 18945  |                | 0.90 |       | 17051                   |        |        | B1                       |        |        |        |       |
| 82 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 19624  |                |      | 0.90  |                         | 17662  |        | B1                       |        |        |        |       |
| 82 | AK | TAKU-11131(wk 33-) | GN   | CHUM | 1660   |                | 0.50 |       | 830                     |        |        | B1                       |        |        |        |       |
| 82 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 2221   |                |      | 0.70  |                         | 1555   |        | B1                       |        |        |        |       |
| 82 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 19459  |                | 0.05 |       | 973                     |        |        | B1                       |        |        |        |       |
| 82 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 59791  |                |      | 0.25  |                         | 14948  |        | B1                       |        |        |        |       |
| 82 | AK | TAKU-11480(wk 32-) | SE   | CHUM | 0      |                | 0.05 |       | 0                       |        |        | B1                       |        |        |        |       |
| 82 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 4004   |                |      | 0.20  |                         | 801    | -17124 | B1                       |        |        |        |       |
| 82 | AK | ALSEK, DRY BAY     | SN   | CHUM | 358    |                | 0.50 | 0.50  | 179                     | 179    | 0      | B1                       |        |        |        |       |
| 82 | AK | OTHERS             | ALL  | CHUM |        |                |      |       | 500                     | 10000  | -9500  | B1                       | 21055  | 48296  | -27241 |       |
| 82 | BC | STIKINE            | GN   | CHUM | 722    |                | 1.00 | 1.00  | 722                     | 722    | 0      | B2                       |        |        |        |       |
| 82 | BC | STIKINE            | IF   | CHUM | 0      |                | 1.00 | 1.00  | 0                       | 0      | 0      | B2                       |        |        |        |       |

U.S. AND CANDIAN SALMON ESTIMATES OF TRANSBOUNDARY CHUM CATCH 1980 - 1988

| YR | Ju | Area               | Gear | Spec | Catch  | Adjusted | PROP BOUND FOR  |       | -- CATCH OF TBR CHUM -- |       |        | ----- INTERCEPTION ----- |       |                          |        | Notes |
|----|----|--------------------|------|------|--------|----------|-----------------|-------|-------------------------|-------|--------|--------------------------|-------|--------------------------|--------|-------|
|    |    |                    |      |      |        |          | ---- RIVERS---- |       | U.S.                    | Candn | U.S.   | Candn                    | Diff  | --- CATEGORY SUMMARY --- |        |       |
| a  | b  | c                  | d    | e    | f      | g        | U.S.            | Candn | U.S.                    | Candn | Diff   | CAT                      | U.S.  | Candn                    | Diff   | t     |
|    |    |                    |      |      |        |          | Est.            | Est.  | Est.                    | Est.  |        | o                        | Est.  | Est.                     |        |       |
| 82 | BC | TAKU               | GN   | CHUM | 3      |          | 1.00            | 1.00  | 3                       | 3     | 0      | B2                       | 725   | 725                      | 0      |       |
| 83 | AK | STIKINE            | GN   | CHUM |        |          |                 |       | 84                      | 759   | -675   | B1                       |       |                          |        |       |
| 83 | AK | TAKU-110(wk 31-)   | SE   | CHUM | 1749   |          | 0.00            | 0.10  |                         | 175   |        | B1                       |       |                          |        |       |
| 83 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 8152   |          | 0.90            |       | 7337                    |       |        | B1                       |       |                          |        |       |
| 83 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 8855   |          |                 | 0.90  |                         | 7970  |        | B1                       |       |                          |        |       |
| 83 | AK | TAKU-11131(wk 33-) | GN   | CHUM | 1401   |          | 0.50            |       | 701                     |       |        | B1                       |       |                          |        |       |
| 83 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 1631   |          |                 | 0.70  |                         | 1142  |        | B1                       |       |                          |        |       |
| 83 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 12076  |          | 0.05            |       | 604                     |       |        | B1                       |       |                          |        |       |
| 83 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 70357  |          |                 | 0.25  |                         | 17589 |        | B1                       |       |                          |        |       |
| 83 | AK | TAKU-11480(wk 32-) | SE   | CHUM | 10807  |          | 0.05            |       | 540                     |       |        | B1                       |       |                          |        |       |
| 83 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 32038  |          |                 | 0.20  |                         | 6408  | -24102 | B1                       |       |                          |        |       |
| 83 | AK | ALSEK, DRY BAY     | SN   | CHUM | 432    |          | 0.50            | 0.50  | 216                     | 216   | 0      | B1                       |       |                          |        |       |
| 83 | AK | OTHERS             | ALL  | CHUM |        |          |                 |       | 500                     | 10000 | -9500  | B1                       | 9981  | 44258                    | -34277 |       |
| 83 | BC | STIKINE            | GN   | CHUM | 275    |          | 1.00            | 1.00  | 275                     | 275   | 0      | B2                       |       |                          |        |       |
| 83 | BC | STIKINE            | IF   | CHUM | 26     |          | 1.00            | 1.00  | 26                      | 26    | 0      | B2                       |       |                          |        |       |
| 83 | BC | TAKU               | GN   | CHUM | 1760   |          | 1.00            | 1.00  | 1760                    | 1760  | 0      | B2                       | 2061  | 2061                     | 0      |       |
| 84 | AK | STIKINE            | GN   | CHUM |        |          |                 |       |                         | 2202  | -2202  | B1                       |       |                          |        |       |
| 84 | AK | TAKU-110(wk 31-)   | SE   | CHUM | 9698   |          | 0.00            | 0.10  |                         | 970   |        | B1                       |       |                          |        |       |
| 84 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 31026  |          | 0.90            |       | 27923                   |       |        | B1                       |       |                          |        |       |
| 84 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 33402  |          |                 | 0.90  |                         | 30062 |        | B1                       |       |                          |        |       |
| 84 | AK | TAKU-11131(wk 33-) | GN   | CHUM | 6855   |          | 0.50            |       | 3428                    |       |        | B1                       |       |                          |        |       |
| 84 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 9069   |          |                 | 0.70  |                         | 6348  |        | B1                       |       |                          |        |       |
| 84 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 55146  |          | 0.05            |       | 2757                    |       |        | B1                       |       |                          |        |       |
| 84 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 139346 |          |                 | 0.25  |                         | 34837 |        | B1                       |       |                          |        |       |
| 84 | AK | TAKU-11480(wk 32-) | SE   | CHUM | 89431  |          | 0.05            |       | 4472                    |       |        | B1                       |       |                          |        |       |
| 84 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 90078  |          |                 | 0.20  |                         | 18016 | -51652 | B1                       |       |                          |        |       |
| 84 | AK | ALSEK, DRY BAY     | SN   | CHUM | 1610   |          | 0.50            | 0.50  | 805                     | 805   | 0      | B1                       |       |                          |        |       |
| 84 | AK | OTHERS             | ALL  | CHUM |        |          |                 |       | 500                     | 10000 | -9500  | B1                       | 39885 | 103239                   | -63354 |       |
| 84 | BC | STIKINE            | GN   | CHUM | 0      |          | 1.00            | 1.00  | 0                       | 0     | 0      | B2                       |       |                          |        |       |
| 84 | BC | STIKINE            | IF   | CHUM | 0      |          | 1.00            | 1.00  | 0                       | 0     | 0      | B2                       |       |                          |        |       |
| 84 | BC | TAKU               | GN   | CHUM | 2492   |          | 1.00            | 1.00  | 2492                    | 2492  | 0      | B2                       | 2492  | 2492                     | 0      |       |
| 85 | AK | STIKINE            | GN   | CHUM |        |          |                 |       | 626                     | 3584  | -2958  | B1                       |       |                          |        |       |
| 85 | AK | TAKU-110(wk 31-)   | SE   | CHUM | 10406  |          | 0.00            | 0.10  |                         | 1041  |        | B1                       |       |                          |        |       |
| 85 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 43269  |          | 0.90            |       | 38942                   |       |        | B1                       |       |                          |        |       |
| 85 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 44856  |          |                 | 0.90  |                         | 40370 |        | B1                       |       |                          |        |       |
| 85 | AK | TAKU-11131(wk 33-) | GN   | CHUM | 4181   |          | 0.50            |       | 2091                    |       |        | B1                       |       |                          |        |       |
| 85 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 5018   |          |                 | 0.70  |                         | 3513  |        | B1                       |       |                          |        |       |
| 85 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 43977  |          | 0.05            |       | 2199                    |       |        | B1                       |       |                          |        |       |
| 85 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 133026 |          |                 | 0.25  |                         | 33257 |        | B1                       |       |                          |        |       |
| 85 | AK | TAKU-11480(wk 33-) | SE   | CHUM | 26006  |          | 0.05            |       | 1300                    |       |        | B1                       |       |                          |        |       |
| 85 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 30078  |          |                 | 0.20  |                         | 6016  | -39664 | B1                       |       |                          |        |       |
| 85 | AK | ALSEK, DRY BAY     | SN   | CHUM | 427    |          | 0.50            | 0.50  | 214                     | 214   | 0      | B1                       |       |                          |        |       |
| 85 | AK | OTHERS             | ALL  | CHUM |        |          |                 |       | 500                     | 10000 | -9500  | B1                       | 45871 | 97993                    | -52122 |       |
| 85 | BC | STIKINE            | GN   | CHUM | 532    |          | 1.00            | 1.00  | 532                     | 532   | 0      | B2                       |       |                          |        |       |

U.S. AND CANDIAN SALMON ESTIMATES OF TRANSBOUNDARY CHUM CATCH 1980 - 1988

| YR | Ju | Area               | Gear | Spec | Catch  | PROP BOUND FOR |      |       | -- CATCH OF TBR CHUM - |       |        | ----- INTERCEPTION ----- |       |        |        | Notes |
|----|----|--------------------|------|------|--------|----------------|------|-------|------------------------|-------|--------|--------------------------|-------|--------|--------|-------|
|    |    |                    |      |      |        | Adjusted       | U.S. | Candn | U.S.                   | Candn | Diff   | --- CATEGORY SUMMARY --- |       |        |        |       |
| a  | b  | c                  | d    | e    | f      | Catch          | Est. | Est.  | Est.                   | Est.  | Diff   | CAT                      | U.S.  | Candn  | Diff   | t     |
|    |    |                    |      |      |        | g              | h    | i     | k                      | l     | m      | o                        | p     | q      | r      |       |
| 85 | BC | STIKINE            | IF   | CHUM | 4      |                | 1.00 | 1.00  | 4                      | 4     | 0      | B2                       |       |        |        |       |
| 85 | BC | TAKU               | GN   | CHUM | 136    |                | 1.00 | 1.00  | 136                    | 136   | 0      | B2                       | 672   | 672    | 0      |       |
| 86 | AK | STIKINE            | GN   | CHUM |        |                |      |       | 113                    | 1007  | -894   | B1                       |       |        |        |       |
| 86 | AK | TAKU-110 (wk 31-)  | SE   | CHUM | 0      |                | 0.00 | 0.10  |                        | 0     |        | B1                       |       |        |        |       |
| 86 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 25946  |                | 0.90 |       | 23351                  |       |        | B1                       |       |        |        |       |
| 86 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 27215  |                |      | 0.90  |                        | 24494 |        | B1                       |       |        |        |       |
| 86 | AK | TAKU-11131(wk 31-) | GN   | CHUM | 2485   |                | 0.50 |       | 1243                   |       |        | B1                       |       |        |        |       |
| 86 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 2838   |                |      | 0.70  |                        | 1987  |        | B1                       |       |        |        |       |
| 86 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 7844   |                | 0.05 |       | 392                    |       |        | B1                       |       |        |        |       |
| 86 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 139946 |                |      | 0.25  |                        | 34987 |        | B1                       |       |        |        |       |
| 86 | AK | TAKU-11480(wk 32-) | SE   | CHUM | 53689  |                | 0.05 |       | 2684                   |       |        | B1                       |       |        |        |       |
| 86 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 53689  |                |      | 0.20  |                        | 10738 | -44534 | B1                       |       |        |        |       |
| 86 | AK | ALSEK, DRY BAY     | SN   | CHUM | 462    |                | 0.50 | 0.50  | 231                    | 231   | 0      | B1                       |       |        |        |       |
| 86 | AK | OTHERS             | ALL  | CHUM |        |                |      |       | 500                    | 10000 | -9500  | B1                       | 28515 | 83442  | -54928 |       |
| 86 | BC | STIKINE            | GN   | CHUM | 295    |                | 1.00 | 1.00  | 295                    | 295   | 0      | B2                       |       |        |        |       |
| 86 | BC | STIKINE            | IF   | CHUM | 12     |                | 1.00 | 1.00  | 12                     | 12    | 0      | B2                       |       |        |        |       |
| 86 | BC | TAKU               | GN   | CHUM | 110    |                | 1.00 | 1.00  | 110                    | 110   | 0      | B2                       | 417   | 417    | 0      |       |
| 87 | AK | STIKINE            | GN   | CHUM |        |                |      |       | 194                    | 1917  | -1723  | B1                       |       |        |        |       |
| 87 | AK | TAKU-110 (wk 31-)  | SE   | CHUM | 25315  |                | 0.00 | 0.10  |                        | 2532  |        | B1                       |       |        |        |       |
| 87 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 31840  |                | 0.90 |       | 28656                  |       |        | B1                       |       |        |        |       |
| 87 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 31840  |                |      | 0.90  |                        | 28656 |        | B1                       |       |        |        |       |
| 87 | AK | TAKU-11131(wk 33-) | GN   | CHUM | 22516  |                | 0.50 |       | 11258                  |       |        | B1                       |       |        |        |       |
| 87 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 22817  |                |      | 0.70  |                        | 15972 |        | B1                       |       |        |        |       |
| 87 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 19328  |                | 0.05 |       | 966                    |       |        | B1                       |       |        |        |       |
| 87 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 105972 |                |      | 0.25  |                        | 26493 |        | B1                       |       |        |        |       |
| 87 | AK | TAKU-11480(wk 32-) | SE   | CHUM | 88376  |                | 0.05 |       | 4419                   |       |        | B1                       |       |        |        |       |
| 87 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 93354  |                |      | 0.20  |                        | 18671 | -47024 | B1                       |       |        |        |       |
| 87 | AK | ALSEK, DRY BAY     | SN   | CHUM | 1924   |                | 0.50 | 0.50  | 962                    | 962   | 0      | B1                       |       |        |        |       |
| 87 | AK | OTHERS             | CN   | CHUM |        |                |      |       | 500                    | 10000 | -9500  | B1                       | 46955 | 105202 | -58247 |       |
| 87 | BC | STIKINE            | GN   | CHUM | 451    |                | 1.00 | 1.00  | 451                    | 451   | 0      | B2                       |       |        |        |       |
| 87 | BC | STIKINE            | IF   | CHUM | 8      |                | 1.00 | 1.00  | 8                      | 8     | 0      | B2                       |       |        |        |       |
| 87 | BC | TAKU               | GN   | CHUM | 2270   |                | 1.00 | 1.00  | 2270                   | 2270  | 0      | B2                       | 2729  | 2729   | 0      |       |
| 88 | AK | STIKINE            | GN   | CHUM |        |                |      |       | 153                    | 1598  | -1445  | B1                       |       |        |        |       |
| 88 | AK | TAKU-110 (wk 31-)  | SE   | CHUM | 0      |                | 0.00 | 0.10  |                        | 0     |        | B1                       |       |        |        |       |
| 88 | AK | TAKU-11132(wk 33-) | GN   | CHUM | 26955  |                | 0.90 |       | 24260                  |       |        | B1                       |       |        |        |       |
| 88 | AK | TAKU-11132(wk 32-) | GN   | CHUM | 28404  |                |      | 0.90  |                        | 25564 |        | B1                       |       |        |        |       |
| 88 | AK | TAKU-11131(wk 33-) | GN   | CHUM | 33262  |                | 0.50 |       | 16631                  |       |        | B1                       |       |        |        |       |
| 88 | AK | TAKU-11131(wk 32-) | GN   | CHUM | 35457  |                |      | 0.70  |                        | 24820 |        | B1                       |       |        |        |       |
| 88 | AK | TAKU-11216(wk 32-) | SE   | CHUM | 2583   |                | 0.05 |       | 129                    |       |        | B1                       |       |        |        |       |
| 88 | AK | TAKU-112 (wk 31-)  | SE   | CHUM | 13364  |                |      | 0.25  |                        | 3341  |        | B1                       |       |        |        |       |
| 88 | AK | TAKU-11480(wk 32-) | SE   | CHUM | 38099  |                | 0.05 |       | 1905                   |       |        | B1                       |       |        |        |       |
| 88 | AK | TAKU-114 (wk 31-)  | SE   | CHUM | 42411  |                |      | 0.20  |                        | 8482  | -19282 | B1                       |       |        |        |       |
| 88 | AK | ALSEK, DRY BAY     | SN   | CHUM | 907    |                | 0.50 | 0.50  | 454                    | 454   | 0      | B1                       |       |        |        |       |
| 88 | AK | OTHERS             | CN   | CHUM |        |                |      |       | 500                    | 10000 | -9500  | B1                       | 44031 | 74258  | -30227 |       |

U.S. AND CANDIAN SALMON ESTIMATES OF TRANSBOUNDARY CHUM CATCH 1980 - 1988

| YR | Ju | Area    | Gear | Spec | Catch | PROP BOUND FOR |      | -- CATCH OF TBR CHUM - |      |      | ----- INTERCEPTION ----- |                          |           |          | Notes |   |
|----|----|---------|------|------|-------|----------------|------|------------------------|------|------|--------------------------|--------------------------|-----------|----------|-------|---|
|    |    |         |      |      |       | Adjusted       | U.S. | Can                    | U.S. | Can  | Diff                     | --- CATEGORY SUMMARY --- |           |          |       |   |
| a  | b  | c       | d    | e    | f     | Catch          | Est. | Est.                   | Est. | Est. | Diff                     | CAT                      | U.S. Est. | Can Est. | Diff  | t |
|    |    |         |      |      |       | g              | h    | i                      | k    | l    | m                        | o                        | p         | q        | r     |   |
| 88 | BC | STIKINE | GN   | CHUM | 730   |                | 1.00 | 1.00                   | 730  | 730  | 0                        | B2                       |           |          |       |   |
| 88 | BC | STIKINE | IF   | CHUM | 3     |                | 1.00 | 1.00                   | 3    | 3    | 0                        | B2                       |           |          |       |   |
| 88 | BC | TAKU    | GN   | CHUM | 733   |                | 1.00 | 1.00                   | 733  | 733  | 0                        | B2                       | 1466      | 1466     | 0     |   |

## UNITED STATES TRANSBOUNDARY NOTES - CHUM SALMON

### Catch Strata:

Catches from Alaskan commercial fisheries for all species are taken from ADF&G's RUNTIME catch database, updated as of September 1989. These catch data may also be found in the 1989 preliminary annual report of the Transboundary Technical Committee (TTC 1989).

For Alek chum catches, the catch from Sub-districts 182-30 and -31 (Dry Bay) was used. For Taku stocks, only the fall portion of district catches were used since Taku chum salmon are a fall run. The following strata are used: District 110 catch from week 31 on, Sub-districts 111-31 and -32 from week 32 on for Canadian estimates and from week 33 on for U.S. estimates, Sub-district 112-16 from week 32 on for U.S. estimates and the entire District 112 from week 31 on for Canadian estimates, and Sub-district 114-80 from week 32 on for U.S. estimates and the entire District 114 from week 31 on for Canadian estimates.

### Category B1 Catches:

Stikine River. Estimates of U.S. catch of chum stocks spawning in Canadian portions of the Stikine River were derived by multiplying the annual Canadian Stikine River chum catch by the estimated ratio of the U.S. marine harvest of Stikine sockeye salmon to the Canadian inriver Stikine sockeye harvest. Catch data were obtained from TTC (1989). The U.S. marine harvest of Stikine sockeye salmon is estimated annually using scale pattern analysis of District 106 and 108 catches.

Taku River. Estimates of U.S. catch of chum stocks spawning in Canadian portion of the Taku River were derived using assumed stock composition proportions for the District 111 gill net and District 112 and 114 seine fisheries' catches. Taku River chum salmon are fall run fish, while numerous Stephens Passage streams and several hatcheries in the Juneau area produce summer run chum salmon. Taku River research fish wheel catches of chum salmon (McGregor and Clark 1989) and historical average annual Taku Inlet harvests were used to determine when Taku chum salmon are available to marine fisheries (beginning statistical week 33 in District 111 and one week earlier in purse seine districts). U.S. catch figures were obtained from RUNTIME (December 1989).

Ninety percent of the gill net harvest in Sub-district 111-32 (Taku Inlet) after statistical week 32 was assumed to be of Taku stocks spawning on the Canadian side of the border, while 50% of the catches in Sub-district 111-31 (Stephens Passage) after week 32 were assumed to be of Taku stocks spawning on the Canadian side of the border. These assumptions were influenced by the presence of substantial numbers of Whiting River fall chum salmon passing through this area. Catches of Taku River chum salmon in seine fisheries along their principal migration corridor are believed to occur along the Hawk Inlet shore of Admiralty Island (Sub-district 112-16) and eastern Icy Strait (Sub-district 114-80). The proportion of Taku stocks spawning on the Canadian side of the border occurring in these fisheries after week 31 is assumed to be 5% based on the number, location, timing, and size of other chum salmon producing systems in the area compared to the Taku system. Fishing boundaries in Sub-district 114-80 were restricted in 1980 to reduce catches of Chilkat and Taku River chum salmon; a scale and age composition study has shown that this restriction has been effective at reducing catches of Taku stocks (McGregor and Marshall 1982).

Alek River. Catches of chum salmon in the Alaskan Dry Bay fishery are insignificant, varying annually (1980 to 1988) from 358 to 1,610 fish. Alaskan stocks are assumed to comprise 50% of the catch, with the remaining 50% comprised of Alek stocks spawning on the Canadian side of the border.

Other Systems. Available information on chum salmon production from Canadian portions of the Chilkat, Whiting, and Unuk Rivers is very limited. Chum salmon have been documented in the Canadian portions of only the Unuk River. In recognition of the fact that chum salmon may be produced in Canadian portions of these systems, the combined "other systems" contribution to Alaskan fisheries was estimated at 500 fish annually.

**References:**

- Henry and Aro. 1981. Tenth Report of the Technical Committee on Salmon Interceptions. Final Estimates of Salmon Interceptions and Ex-vessel Values - 1978.
- McGregor, A. and J.E. Clark. 1989. Migratory timing and escapement of Taku River salmon stocks in 1988. ADF&G, Commercial Fisheries Division, Regional Information Report No. 1J89-40. Douglas, Ak.
- McGregor, A. and S.L. Marshall. 1982. Origins of chum salmon (*Oncorhynchus keta*) in the Excursion Inlet purse seine fishery of 1981 based on scale pattern analysis. ADF&G, Commercial Fisheries Division, Informational Leaflet No. 201. Douglas, Ak.
- Transboundary Technical Committee (TTC). 1989. Preliminary salmon catches, escapements, and enhancement activities in the transboundary rivers in 1989. Unpublished report prepared for the Pacific Salmon Commission and Northern Panel.

## CANADIAN TRANSBOUNDARY NOTES - CHUM SALMON

### Stikine River:

The basic approach was to estimate the border escapement and assume an overall U.S. harvest rate which was not gear/area specific.

1. Canadian catch data are from the 1989 preliminary catch and escapement report of the TRTC, Nov. 1989.
2. Border escapements for all years except 1984 were estimated by applying the harvest rate on sockeye in the lower river commercial fishery to the lower river chum catch; the estimate for 1984 uses the 1980 to 1988 average border escapement. The sockeye harvest rate data for the lower river were obtained from the annual inriver run reconstructions documented in the preliminary 1989 TRTC catch and escapement report.
3. Estimates of annual U.S. interceptions are based on the assumption of a 40% U.S. harvest rate; i.e. border escapement equals 60% of total run (professional judgement).

### Taku River:

The basic approach was to use the annual weekly chum catch data from District 111 gillnet catches to partition summer and fall runs. This information was also used to estimate the weeks when Taku chum might be vulnerable in Districts 110, 112 and 114. The weekly catches of fall chum were summed and contribution rates were applied to estimate the catch of Taku chum.

1. The average weekly proportion of total D-111 catch was graphed to illustrate the distribution of the summer vs fall runs. From this, it was concluded that catches from week 32 on would constitute the fall chum catches (the trough between the summer and fall runs).
2. The District 111-32 catch data were obtained from ADF&G in early November 1989 - likely from RUNTIME. The weekly catches in District 111-32 were summed from week 32 to the end of the season and it was assumed that 0.90 of these subtotals were of Canadian origin (professional judgement).
3. The District 111-31 catch data were obtained from ADF&G in early November 1989 - likely from RUNTIME. The weekly catches District 111-31 were summed from week 32 to the end of the season and it was assumed that 0.70 of these subtotals were of Canadian origin (professional judgement).
4. A one week timing delay was assumed from each of Districts 110, 112 and 114 to District 111. It was assumed, therefore, that catches during week 31 through the end of the season in Districts 110, 113 and 114 consisted partially of Taku origin chum. The contribution rates applied to catches from week 31 on in each of these Districts were as follows: 0.10 in District 110; and 0.25 in District 112 and 114.

### Alsek River:

The basic approach was to assume a constant contribution rate to the Dry Bay catches.

1. The Dry Bay catch data used were from the 1989 preliminary catch and escapement report of the TRTC, November 1989.
2. It was assumed that 0.50 of the chum catch in Dry Bay was of Canadian origin (professional judgement).

**Other Transboundary Systems:**

1. A constant annual interception of 10,000 chum salmon from other systems was assumed, based on professional judgement. Chum salmon are known to exist in the Canadian portions of the Unuk River; and they have been observed (anecdotal information) in the vicinity of the Canada/U.S. border in the Whiting River. Their presence in other systems is unknown.

**CATCH ESTIMATES: TRANSBOUNDARY COHO**

U.S. AND CANADIAN ESTIMATES OF TRANSBOUNDARY COHO CATCH 1980 - 1988

| YR | Ju | Area    | Gear | Spec | Catch | EXP FACTOR FOR TBR STOCKS |           |             | -- CATCH OF TBR COHO -- |             |        | ----- INTERCEPTION ----- |           |             |        | Notes | Border Escmt | Harvest Rate |
|----|----|---------|------|------|-------|---------------------------|-----------|-------------|-------------------------|-------------|--------|--------------------------|-----------|-------------|--------|-------|--------------|--------------|
|    |    |         |      |      |       | Adjusted Catch            | U.S. Est. | Canndn Est. | U.S. Est.               | Canndn Est. | Diff   | CAT                      | U.S. Est. | Canndn Est. | Diff   |       |              |              |
| a  | b  | c       | d    | e    | f     | g                         | h         | i           | k                       | l           | m      | o                        | p         | q           | r      | t     | u            | v            |
| 80 | AK | STIKINE | AL   | COHO |       |                           |           |             | 39000                   | 33424       | 5576   | B1                       |           |             |        |       | 29640        | 0.53         |
| 80 | AK | TAKU    | AL   | COHO | 41515 |                           | 1.85      |             | 76720                   | 99633       | -22914 | B1                       |           |             |        |       | 42700        | 0.70         |
| 80 | AK | ALSEK   | AL   | COHO | 7863  |                           | 1.25      | 2.00        | 9829                    | 15726       | -5897  | B1                       |           |             |        |       |              |              |
| 80 | AK | OTHERS  | AL   | COHO |       |                           |           |             | 300                     | 8000        | -7700  | B1                       | 125848    | 156783      | -30935 |       |              |              |
| 80 | BC | STIKINE | GN   | COHO | 6669  |                           | 1.00      | 1.00        | 6669                    | 6669        |        | B2                       |           |             |        |       |              |              |
| 80 | BC | STIKINE | IF   | COHO | 0     |                           | 1.00      | 1.00        | 0                       | 0           | 0      | B2                       |           |             |        |       |              |              |
| 80 | BC | TAKU    | GN   | COHO | 6405  |                           | 1.00      | 1.00        | 6405                    | 6405        | 0      | B2                       |           |             |        |       |              |              |
| 80 | BC | ALSEK   | SP   | COHO | 200   |                           | 1.00      | 1.00        | 200                     | 200         |        | B2                       |           |             |        |       |              |              |
| 80 | BC | ALSEK   | IF   | COHO | 0     |                           | 1.00      | 1.00        | 0                       | 0           | 0      | B2                       | 13274     | 13274       | 0      |       |              |              |
| 81 | AK | STIKINE | AL   | COHO |       |                           |           |             | 39000                   | 20110       | 18890  | B1                       |           |             |        |       | 17833        | 0.53         |
| 81 | AK | TAKU    | AL   | COHO | 26803 |                           | 1.85      |             | 49532                   | 56110       | -6578  | B1                       |           |             |        |       | 24047        | 0.70         |
| 81 | AK | ALSEK   | AL   | COHO | 10096 |                           | 1.25      | 2.00        | 12620                   | 20192       | -7572  | B1                       |           |             |        |       |              |              |
| 81 | AK | OTHERS  | AL   | COHO |       |                           |           |             | 300                     | 8000        | -7700  | B1                       | 101452    | 104411      | -2959  |       |              |              |
| 81 | BC | STIKINE | GN   | COHO | 2667  |                           | 1.00      | 1.00        | 2667                    | 2667        |        | B2                       |           |             |        |       |              |              |
| 81 | BC | STIKINE | IF   | COHO | 8     |                           | 1.00      | 1.00        | 8                       | 8           | 0      | B2                       |           |             |        |       |              |              |
| 81 | BC | TAKU    | GN   | COHO | 3607  |                           | 1.00      | 1.00        | 3607                    | 3607        | 0      | B2                       |           |             |        |       |              |              |
| 81 | BC | ALSEK   | SP   | COHO | 109   |                           | 1.00      | 1.00        | 109                     | 109         |        | B2                       |           |             |        |       |              |              |
| 81 | BC | ALSEK   | IF   | COHO | 0     |                           | 1.00      | 1.00        | 0                       | 0           | 0      | B2                       | 6391      | 6391        | 0      |       |              |              |
| 82 | AK | STIKINE | AL   | COHO |       |                           |           |             | 39000                   | 79908       | -40908 | B1                       |           |             |        |       | 70862        | 0.53         |
| 82 | AK | TAKU    | AL   | COHO | 29072 |                           | 1.85      |             | 53725                   | 84793       | -31068 | B1                       |           |             |        |       | 36340        | 0.70         |
| 82 | AK | ALSEK   | AL   | COHO | 6534  |                           | 1.25      | 2.00        | 8168                    | 13068       | -4901  | B1                       |           |             |        |       |              |              |
| 82 | AK | OTHERS  | AL   | COHO |       |                           |           |             | 300                     | 8000        | -7700  | B1                       | 101193    | 185770      | -84577 |       |              |              |
| 82 | BC | STIKINE | GN   | COHO | 15904 |                           | 1.00      | 1.00        | 15904                   | 15904       |        | B2                       |           |             |        |       |              |              |
| 82 | BC | STIKINE | IF   | COHO | 40    |                           | 1.00      | 1.00        | 40                      | 40          | 0      | B2                       |           |             |        |       |              |              |
| 82 | BC | TAKU    | GN   | COHO | 51    |                           | 1.00      | 1.00        | 51                      | 51          | 0      | B2                       |           |             |        |       |              |              |
| 82 | BC | ALSEK   | SP   | COHO | 109   |                           | 1.00      | 1.00        | 109                     | 109         |        | B2                       |           |             |        |       |              |              |
| 82 | BC | ALSEK   | IF   | COHO | 0     |                           | 1.00      | 1.00        | 0                       | 0           | 0      | B2                       | 16104     | 16104       | 0      |       |              |              |
| 83 | AK | STIKINE | AL   | COHO |       |                           |           |             | 39000                   | 30923       | 8077   | B1                       |           |             |        |       | 27422        | 0.53         |
| 83 | AK | TAKU    | AL   | COHO | 21443 |                           | 1.85      |             | 39627                   | 130510      | -90884 | B1                       |           |             |        |       | 55933        | 0.70         |
| 83 | AK | ALSEK   | AL   | COHO | 5253  |                           | 1.25      | 2.00        | 6566                    | 10506       | -3940  | B1                       |           |             |        |       |              |              |
| 83 | AK | OTHERS  | AL   | COHO |       |                           |           |             | 300                     | 8000        | -7700  | B1                       | 85493     | 179939      | -94446 |       |              |              |
| 83 | BC | STIKINE | GN   | COHO | 6170  |                           | 1.00      | 1.00        | 6170                    | 6170        |        | B2                       |           |             |        |       |              |              |
| 83 | BC | STIKINE | IF   | COHO | 3     |                           | 1.00      | 1.00        | 3                       | 3           | 0      | B2                       |           |             |        |       |              |              |
| 83 | BC | TAKU    | GN   | COHO | 8390  |                           | 1.00      | 1.00        | 8390                    | 8390        | 0      | B2                       |           |             |        |       |              |              |
| 83 | BC | ALSEK   | SP   | COHO | 16    |                           | 1.00      | 1.00        | 16                      | 16          |        | B2                       |           |             |        |       |              |              |
| 83 | BC | ALSEK   | IF   | COHO | 0     |                           | 1.00      | 1.00        | 0                       | 0           | 0      | B2                       | 14579     | 14579       | 0      |       |              |              |
| 84 | AK | STIKINE | AL   | COHO |       |                           |           |             | 39000                   | 35136       | 3864   | B1                       |           |             |        |       | 31158        | 0.53         |
| 84 | AK | TAKU    | AL   | COHO | 33836 |                           | 1.85      |             | 62529                   | 83330       | -20801 | B1                       |           |             |        |       | 35713        | 0.70         |
| 84 | AK | ALSEK   | AL   | COHO | 7868  |                           | 1.25      | 2.00        | 9835                    | 15736       | -5901  | B1                       |           |             |        |       |              |              |
| 84 | AK | OTHERS  | AL   | COHO |       |                           |           |             | 300                     | 8000        | -7700  | B1                       | 111664    | 142202      | -30538 |       |              |              |
| 84 | BC | STIKINE | GN   | COHO | 0     |                           | 1.00      | 1.00        | 0                       | 0           | 0      | B2                       |           |             |        |       |              |              |
| 84 | BC | STIKINE | IF   | COHO | 1     |                           | 1.00      | 1.00        | 1                       | 1           | 0      | B2                       |           |             |        |       |              |              |
| 84 | BC | TAKU    | GN   | COHO | 5357  |                           | 1.00      | 1.00        | 5357                    | 5357        | 0      | B2                       |           |             |        |       |              |              |
| 84 | BC | ALSEK   | SP   | COHO | 20    |                           | 1.00      | 1.00        | 20                      | 20          |        | B2                       |           |             |        |       |              |              |

U.S. AND CANADIAN ESTIMATES OF TRANSBOUNDARY COHO CATCH 1980 - 1988

|    |    | EXP FACTOR FOR |      |      | TBR STOCKS |          |      | -- CATCH OF TBR COHO -- |        |        | ----- INTERCEPTION ----- |     |        |        | Border |       | Harvest |      |
|----|----|----------------|------|------|------------|----------|------|-------------------------|--------|--------|--------------------------|-----|--------|--------|--------|-------|---------|------|
| YR | Ju | Area           | Gear | Spec | Catch      | Adjusted | U.S. | Candn                   | U.S.   | Candn  | Diff                     | CAT | U.S.   | Candn  | Diff   | Notes | Escmt   | Rate |
| a  | b  | c              | d    | e    | f          | g        | h    | i                       | k      | l      | m                        | o   | p      | q      | r      | t     | u       | v    |
| 84 | BC | ALSEK          | IF   | COHO | 0          | 1.00     | 1.00 |                         | 0      | 0      | 0                        | B2  | 5378   | 5378   | 0      |       |         |      |
| 85 | AK | STIKINE        | AL   | COHO |            |          |      |                         | 39000  | 74011  | -35011                   | B1  |        |        |        |       | 65632   | 0.53 |
| 85 | AK | TAKU           | AL   | COHO | 55597      | 1.85     |      |                         | 102743 | 100494 | 2249                     | B1  |        |        |        |       | 43069   | 0.70 |
| 85 | AK | ALSEK          | AL   | COHO | 5622       | 1.25     | 2.00 |                         | 7028   | 11244  | -4217                    | B1  |        |        |        |       |         |      |
| 85 | AK | OTHERS         | AL   | COHO |            |          |      |                         | 300    | 8000   | -7700                    | B1  | 149071 | 193749 | -44678 |       |         |      |
| 85 | BC | STIKINE        | GN   | COHO | 2172       | 1.00     | 1.00 |                         | 2172   | 2172   | 0                        | B2  |        |        |        |       |         |      |
| 85 | BC | STIKINE        | IF   | COHO | 3          | 1.00     | 1.00 |                         | 3      | 3      | 0                        | B2  |        |        |        |       |         |      |
| 85 | BC | TAKU           | GN   | COHO | 1770       | 1.00     | 1.00 |                         | 1770   | 1770   | 0                        | B2  |        |        |        |       |         |      |
| 85 | BC | ALSEK          | SP   | COHO | 100        | 1.00     | 1.00 |                         | 100    | 100    | 0                        | B2  |        |        |        |       |         |      |
| 85 | BC | ALSEK          | IF   | COHO | 50         | 1.00     | 1.00 |                         | 50     | 50     | 0                        | B2  | 4095   | 4095   | 0      |       |         |      |
| 86 | AK | STIKINE        | AL   | COHO |            |          |      |                         | 39000  | 32251  | 6749                     | B1  |        |        |        |       | 28600   | 0.53 |
| 86 | AK | TAKU           | AL   | COHO | 30512      | 1.85     |      |                         | 56386  | 105467 | -49080                   | B1  |        |        |        |       | 45200   | 0.70 |
| 86 | AK | ALSEK          | AL   | COHO | 1344       | 1.25     | 2.00 |                         | 1680   | 2688   | -1008                    | B1  |        |        |        |       |         |      |
| 86 | AK | OTHERS         | AL   | COHO |            |          |      |                         | 300    | 8000   | -7700                    | B1  | 97366  | 148406 | -51040 |       |         |      |
| 86 | BC | STIKINE        | GN   | COHO | 2278       | 1.00     | 1.00 |                         | 2278   | 2278   | 0                        | B2  |        |        |        |       |         |      |
| 86 | BC | STIKINE        | IF   | COHO | 2          | 1.00     | 1.00 |                         | 2      | 2      | 0                        | B2  |        |        |        |       |         |      |
| 86 | BC | TAKU           | GN   | COHO | 1783       | 1.00     | 1.00 |                         | 1783   | 1783   | 0                        | B2  |        |        |        |       |         |      |
| 86 | BC | ALSEK          | SP   | COHO | 9          | 1.00     | 1.00 |                         | 9      | 9      | 0                        | B2  |        |        |        |       |         |      |
| 86 | BC | ALSEK          | IF   | COHO | 0          | 1.00     | 1.00 |                         | 0      | 0      | 0                        | B2  | 4072   | 4072   | 0      |       |         |      |
| 87 | AK | STIKINE        | AL   | COHO |            |          |      |                         | 39000  | 15787  | 23213                    | B1  |        |        |        |       | 14000   | 0.53 |
| 87 | AK | TAKU           | AL   | COHO | 35173      | 1.85     |      |                         | 65000  | 144611 | -79611                   | B1  |        |        |        |       | 61976   | 0.70 |
| 87 | AK | ALSEK          | AL   | COHO | 2517       | 1.25     | 2.00 |                         | 3146   | 5034   | -1888                    | B1  |        |        |        |       |         |      |
| 87 | AK | OTHERS         | AL   | COHO |            |          |      |                         | 300    | 8000   | -7700                    | B1  | 107446 | 173432 | -65986 |       |         |      |
| 87 | BC | STIKINE        | GN   | COHO | 5728       | 1.00     | 1.00 |                         | 5728   | 5728   | 0                        | B2  |        |        |        |       |         |      |
| 87 | BC | STIKINE        | IF   | COHO | 3          | 1.00     | 1.00 |                         | 3      | 3      | 0                        | B2  |        |        |        |       |         |      |
| 87 | BC | TAKU           | GN   | COHO | 5599       | 1.00     | 1.00 |                         | 5599   | 5599   | 0                        | B2  |        |        |        |       |         |      |
| 87 | BC | ALSEK          | SP   | COHO | 49         | 1.00     | 1.00 |                         | 49     | 49     | 0                        | B2  |        |        |        |       |         |      |
| 87 | BC | ALSEK          | IF   | COHO | 0          | 1.00     | 1.00 |                         | 0      | 0      | 0                        | B2  | 11379  | 11379  | 0      |       |         |      |
| 88 | AK | STIKINE        | AL   | COHO |            |          |      |                         | 39000  | 9453   | 29547                    | B1  |        |        |        |       | 8383    | 0.53 |
| 88 | AK | TAKU           | AL   | COHO | 45179      | 1.52     |      |                         | 68582  | 100550 | -31969                   | B1  |        |        |        |       | 43093   | 0.70 |
| 88 | AK | ALSEK          | AL   | COHO | 4986       | 1.25     | 2.00 |                         | 6233   | 9972   | -3740                    | B1  |        |        |        |       |         |      |
| 88 | AK | OTHERS         | AL   | COHO |            |          |      |                         | 300    | 8000   | -7700                    | B1  | 114114 | 127976 | -13861 |       |         |      |
| 88 | BC | STIKINE        | GN   | COHO | 2112       | 1.00     | 1.00 |                         | 2112   | 2112   | 0                        | B2  |        |        |        |       |         |      |
| 88 | BC | STIKINE        | IF   | COHO | 5          | 1.00     | 1.00 |                         | 5      | 5      | 0                        | B2  |        |        |        |       |         |      |
| 88 | BC | TAKU           | GN   | COHO | 3221       | 1.00     | 1.00 |                         | 3221   | 3221   | 0                        | B2  |        |        |        |       |         |      |
| 88 | BC | TAKU           | IF   | COHO | 98         | 1.00     | 1.00 |                         | 98     | 98     | 0                        | B2  |        |        |        |       |         |      |
| 88 | BC | ALSEK          | SP   | COHO | 192        | 1.00     | 1.00 |                         | 192    | 192    | 0                        | B2  |        |        |        |       |         |      |
| 88 | BC | ALSEK          | IF   | COHO | 0          | 1.00     | 1.00 |                         | 0      | 0      | 0                        | B2  | 5628   | 5628   | 0      |       |         |      |

## UNITED STATES TRANSBOUNDARY NOTES - COHO SALMON

### Catch Strata:

Catches from Alaskan commercial fisheries for all species are taken from ADF&G's RUNTIME catch database, updated as of September 1989. These catch data may also be found in the 1989 preliminary annual report of the Transboundary Technical Committee (TTC 1989).

Catch in the Alaskan Taku strata is total coho catch from the District 111 fishery. Catch in the Alaskan Alek strata is total coho catch from Sub-districts 182-30 and 182-31.

For Stikine coho stocks, border escapement (inriver above-border catch plus spawning escapement) is used rather than district catches to determine category B1 catches.

### Category B1 Catches:

Stikine River. An annual exploitation rate for Stikine River coho salmon by Alaska fisheries was estimated using the average of three estimates for stocks near the Stikine River that are exposed to the same fisheries. The exploitation rate was applied to an average escapement estimate based on an assessment of the extent and distribution of coho salmon habitat in the Stikine River system to estimate an average catch of coho stocks that spawn in Canadian portions of the Stikine drainage.

Exploitation rate estimates for coho salmon returns to the Crystal Lake Hatchery near Petersburg in 1982 and 1983 averaged 53.0% (Alaska Department of Fish and Game 1989) while the exploitation rate on the Salmon Bay stock by Alaska fisheries in 1987 was estimated as 50.9% (Shaul and Koerner 1988). The average of all three estimates (52.3%) was used to estimate the exploitation rate for Stikine River stocks by Alaskan fisheries.

The coho escapement to the Stikine River is relatively unknown but was estimated to be in the range of 35,000 to 60,000 fish based on available habitat compared to other similar systems with better known production. The Canadian portion of the drainage was estimated to account for 75% of spawning escapement based on assessment of available information on the distributions of habitat and spawning populations. The estimate of 75% contribution by Canadian transboundary stocks was applied to an estimate for total return to the river (47,500) to estimate border escapement (35,625).

The exploitation rate estimate of 52.3% was applied to the border escapement estimate to obtain an estimate of the catch of Stikine River transboundary coho salmon stocks by Alaska fisheries. The same estimate of catch of coho stocks that spawn in Canadian portions of the Stikine River (39,000) was applied for all years.

Taku River. Estimates for catches by all Alaskan fisheries of Taku River coho stocks that spawn on the Canadian side of the border were based on District 111 drift gill net catches and catch distribution estimates based on coded-wire tag recovery data for fish tagged in the Taku River system.

During 1980 to 1989, an average of 79.5% of the District 111 drift gill net catch was taken in Sub-district 111-32 and 20.5% in other sub-districts. The Sub-district 111-32 catch was assumed to be 95% Taku River stocks while the catch in other sub-districts within the district was assumed to be 75% Taku River stocks. These assumptions are based on the number, location, and size of other coho salmon producing systems in the area as compared to the Taku system. These percentages result in a combined estimate of 90.9% of the entire District 111 gill net catch to be Taku River stocks. Seventy-five percent of Taku River fish are assumed to spawn on the Canadian side of the border based on assessment of the overall distribution of habitat in the river and on available spawning escapement and harvest rate information.

Coded-wire tag estimates of marine harvest distributions were available for two periods (1977 to 1979 and 1988). During the first period, an estimated 28.8% of the Alaska harvest of coded-wire-tagged Taku coho salmon occurred in the District 111 drift fill net fishery based on a combined sample of 159 tag recoveries (Shaul 1987). In 1988, 44.9% of the estimated total Alaska harvest of coded-wire-tagged Taku coho salmon occurred in District based on 259 tag recoveries (Shaul 1989). An average of the two estimates was used to generate estimates for 1980 to 1987, while the 1988 estimate was used for 1988.

Estimates of annual catches by Alaskan fisheries of coho salmon stocks spawning in Canadian portions of the Taku River were made by multiplying the District 111 drift gill net catch by the estimated proportion of all Taku River stocks (0.909) and by the estimated proportion of Canadian spawning stocks (0.75) and then dividing by the estimated proportion of the Alaska harvest of Taku stocks taken in the District 111 drift gill net fishery (0.369 for 1980 to 1987 and 0.449 for 1988).

Alsek River. Estimates of catch for Alsek coho salmon stocks spawning in the Canadian portions of the river system were based on estimates of the distribution of escapement in the entire Alsek system and the ratio of the catch taken outside of Dry Bay with that taken in the Dry Bay gill net fishery.

Fifty percent of the coho salmon catch in the Dry Bay fishery is estimated to be contributed by Alsek stocks spawning on the Canadian side of the border. This estimate is based on an assessment of available information on the distribution of habitat and spawning populations in the river system. Coded-wire-tag estimates for three other systems in the Yakutat area (Lost, Situk, and Akwe Rivers) from a 1985 to 1986 study indicate an average ratio of 51:49 catch of these stocks by inriver set gill net fisheries versus the troll fishery (ADF&G, unpublished). For Alsek stocks, a higher percentage of the catch (60%) is assumed to be taken by the troll fishery based on the assumption that the set gill net harvest rate in the Alsek River is lower than that in other systems due to the Alsek River's much larger size and to the relatively limited fishing effort in the fall.

Estimates of annual catch coho salmon stocks spawning in Canadian portions of the Alsek River system were made by multiplying the Dry Bay set gill net catch by 0.5 (proportion spawning in Canada) and dividing the result by 0.4 (proportion of the total Alaska harvest of Alsek stocks spawning in Canada taken in the Dry Bay fishery).

Other Systems. Available information suggests that coho salmon habitat is very limited in Canadian portions of the Chilkat, Whiting, and Unuk rivers. Coho salmon have been documented in the Canadian portion on only the Unuk River. In recognition that coho salmon may be present in Canadian portions of these systems, the contribution by Alaska fisheries was estimated at 100 fish annually for each river.

## References:

- Alaska Department of Fish and Game. 1989. Information on coho salmon stocks of Southeast Alaska. ADF&G, Commercial Fisheries Division, Regional Information Report No. 1J89-03. Douglas, AK.
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- Shaul, L.D. and J.F. Koerner. 1988. Fishery contributions, escapements, harvest rates, migratory patterns and survival rates of wild coho salmon (*Oncorhynchus kisutch*) stocks in southeast Alaska based on coded-wire-tagging studies, 1987 -1988. Alaska Department of Fish and Game, Regional Informational Report No. 1J88-43. Douglas, Ak.

Transboundary Technical Committee (TTC). 1989. Preliminary salmon catches, escapements, and enhancement activities in the transboundary rivers in 1989. Unpublished report prepared for the Pacific Salmon Commission and Northern Panel.

## CANADIAN TRANSBOUNDARY NOTES - COHO SALMON

### Stikine River:

The basic approach was to estimate the border escapement and assume an overall U.S. harvest rate which was not gear/area specific.

1. Canadian catch data are from the 1989 preliminary catch and escapement report of the TRTC, November 1989.
2. The border escapements for 1979 to 1981 were estimated by assuming the coho harvest rate in the lower river commercial fishery was 0.225 (professional judgement tempered by knowledge of sockeye harvest rate). The harvest rate that was assumed for 1981 was lower, 0.15, due to reduced effort. The 1984 border escapement was assumed to equal the 1979 to 1988 average. The border escapement from 1985 to 1988 was based on comparisons between test fishery cpue for sockeye and coho in the lower river.
3. Estimates of annual U.S. interceptions are based on the assumption of a 53% U.S. harvest rate; i.e. border escapement equals 47% of total run. The U.S. harvest rate was based on averaged U.S. CWT data from Crystal Lake Hatchery (1982, 1983) and Salmon Bay Hatchery (1987).

### Taku River:

The basic approach was to estimate the border escapement and assume an overall U.S. harvest rate which was not gear/area specific.

1. Canadian catch data are from the 1989 preliminary catch and escapement report of the TRTC, November 1989.
2. The border escapements for 1979 to 1981, 1983 and 1984 were estimated by assuming the coho harvest rate in the lower river commercial fishery was 0.15 (professional judgement tempered by knowledge of sockeye harvest rate). The border escapements from 1985 to 1988 were based on tagging estimates factored by test fishery timing data. The 1984 border escapement was based on the average (excluding 1984) ratio of the District 111 catch: border escapement.
3. Estimates of annual U.S. interceptions are based on the assumption of a 70% U.S. harvest rate; i.e. border escapement equals 30% of total run. The assumed U.S. harvest rate is based on professional judgement.

### Alsek River:

The basic approach was to assume a constant contribution rate to the Dry Bay catches and a constant ration between coho catches in gillnets vs other gear.

1. The Dry Bay catch data used were from the 1989 preliminary catch and escapement report of the TRTC, November 1989.
2. It was assumed that 0.80 of the chum catch in Dry Bay was of Canadian origin (professional judgement but somewhat typical of other areas in S.E. Alaska).

**Other Transboundary Systems:**

1. A constant annual interception of 8,000 coho salmon from other systems is based on professional judgement. Coho salmon are known to exist in the Canadian portions of the Unuk River. Their presence in other systems is unknown.

**CATCH ESTIMATES: TRANSBOUNDARY CHINOOK**

U.S. AND CANADIAN ESTIMATES OF CATCH OF TRANSBOUNDARY CHINOOK 1980 - 1988

| YR | Ju | Area    | Gea | Spec | Catch | PROP BOUND FOR TBR RIVERS |           | -- CATCH OF TBR CHINOOK |           |             | ----- INTERCEPTION ----- |                          |             |               | Notes   | Border Escmt |       |
|----|----|---------|-----|------|-------|---------------------------|-----------|-------------------------|-----------|-------------|--------------------------|--------------------------|-------------|---------------|---------|--------------|-------|
|    |    |         |     |      |       | Adjusted Catch            | U.S. Est. | Can dn Est.             | U.S. Est. | Can dn Est. | Diff                     | --- CATEGORY SUMMARY --- |             |               |         |              |       |
| a  | b  | c       | d   | e    | f     | g                         | h         | i                       | k         | l           | m                        | o                        | U.S. Est. p | Can dn Est. q | Diff r  | t            | u     |
| 80 | AK | STIKINE | GN  | CHIN | 453   |                           | 0.23      |                         | 105       |             |                          | B1                       |             |               |         |              |       |
| 80 | AK | STIKINE | TR  | CHIN |       |                           | 0.16      |                         | 2597      |             |                          | B1                       |             |               |         |              | 15908 |
| 80 | AK | STIKINE | ALL | CHIN |       |                           |           |                         |           | 31567       | -28865                   | B1                       |             |               |         |              |       |
| 80 | AK | TAKU    | GN  | CHIN | 1289  |                           | 0.24      |                         | 314       |             |                          | B1                       |             |               |         |              |       |
| 80 | AK | TAKU    | TR  | CHIN |       |                           | 0.08      |                         | 1077      |             |                          | B1                       |             |               |         |              | 13627 |
| 80 | AK | TAKU    | ALL | CHIN |       |                           |           |                         |           | 25011       | -23620                   | B1                       |             |               |         |              |       |
| 80 | AK | 182     | GN  | CHIN | 1382  |                           | 0.98      |                         | 1347      |             |                          | B1                       |             |               |         |              |       |
| 80 | AK | ALSEK   | TR  | CHIN |       |                           | 0.03      |                         | 169       |             |                          | B1                       |             |               |         |              | 5618  |
| 80 | AK | ALSEK   | ALL | CHIN |       |                           |           |                         |           | 3692        | -2175                    | B1                       |             |               |         |              |       |
| 80 | AK | OTHERS  | ALL | CHIN |       |                           |           |                         | 100       | 5670        | -5570                    | B1                       | 5709.82     | 65940         | -60230  |              |       |
| 80 | BC | STIKINE | ALL | CHIN | 2231  |                           | 1.00      | 1.00                    | 2231      | 2231        | 0                        | B2                       |             |               |         |              |       |
| 80 | BC | TAKU    | GN  | CHIN | 225   |                           | 1.00      | 1.00                    | 225       | 225         | 0                        | B2                       |             |               |         |              |       |
| 80 | BC | ALSEK   | IF  | CHIN | 150   |                           | 1.00      | 1.00                    | 150       | 150         | 0                        | B2                       |             |               |         |              |       |
| 80 | BC | ALSEK   | SP  | CHIN | 200   |                           | 1.00      | 1.00                    | 200       | 200         | 0                        | B2                       | 2806        | 2806          | 0       |              |       |
| 81 | AK | STIKINE | GN  | CHIN | 215   |                           | 0.23      |                         | 50        |             |                          | B1                       |             |               |         |              |       |
| 81 | AK | STIKINE | TR  | CHIN |       |                           | 0.16      |                         | 3737      |             |                          | B1                       |             |               |         |              | 22896 |
| 81 | AK | STIKINE | ALL | CHIN |       |                           |           |                         |           | 32935       | -29148                   | B1                       |             |               |         |              |       |
| 81 | AK | TAKU    | GN  | CHIN | 959   |                           | 0.24      |                         | 234       |             |                          | B1                       |             |               |         |              |       |
| 81 | AK | TAKU    | TR  | CHIN |       |                           | 0.08      |                         | 1428      |             |                          | B1                       |             |               |         |              | 18059 |
| 81 | AK | TAKU    | ALL | CHIN |       |                           |           |                         |           | 23020       | -21359                   | B1                       |             |               |         |              |       |
| 81 | AK | 182     | GN  | CHIN | 779   |                           | 0.98      |                         | 760       |             |                          | B1                       |             |               |         |              |       |
| 81 | AK | ALSEK   | TR  | CHIN |       |                           | 0.03      |                         | 130       |             |                          | B1                       |             |               |         |              | 4311  |
| 81 | AK | ALSEK   | ALL | CHIN |       |                           |           |                         |           | 2113        | -1223                    | B1                       |             |               |         |              |       |
| 81 | AK | OTHERS  | ALL | CHIN |       |                           |           |                         | 100       | 4050        | -3950                    | B1                       | 6438.06     | 62118         | -55680  |              |       |
| 81 | BC | STIKINE | ALL | CHIN | 1558  |                           | 1.00      | 1.00                    | 1558      | 1558        | 0                        | B2                       |             |               |         |              |       |
| 81 | BC | TAKU    | GN  | CHIN | 159   |                           | 1.00      | 1.00                    | 159       | 159         | 0                        | B2                       |             |               |         |              |       |
| 81 | BC | ALSEK   | IF  | CHIN | 150   |                           | 1.00      | 1.00                    | 150       | 150         | 0                        | B2                       |             |               |         |              |       |
| 81 | BC | ALSEK   | SP  | CHIN | 315   |                           | 1.00      | 1.00                    | 315       | 315         | 0                        | B2                       | 2182        | 2182          | 0       |              |       |
| 82 | AK | STIKINE | GN  | CHIN | 639   |                           | 0.23      |                         | 148       |             |                          | B1                       |             |               |         |              |       |
| 82 | AK | STIKINE | TR  | CHIN |       |                           | 0.16      |                         | 3346      |             |                          | B1                       |             |               |         |              | 20499 |
| 82 | AK | STIKINE | ALL | CHIN |       |                           |           |                         |           | 29198       | -25704                   | B1                       |             |               |         |              |       |
| 82 | AK | TAKU    | GN  | CHIN | 1690  |                           | 0.24      |                         | 412       |             |                          | B1                       |             |               |         |              |       |
| 82 | AK | TAKU    | TR  | CHIN |       |                           | 0.08      |                         | 668       |             |                          | B1                       |             |               |         |              | 8452  |
| 82 | AK | TAKU    | ALL | CHIN |       |                           |           |                         |           | 11294       | -10214                   | B1                       |             |               |         |              |       |
| 82 | AK | 182     | GN  | CHIN | 532   |                           | 0.98      |                         | 519       |             |                          | B1                       |             |               |         |              |       |
| 82 | AK | ALSEK   | TR  | CHIN |       |                           | 0.03      |                         | 128       |             |                          | B1                       |             |               |         |              | 4233  |
| 82 | AK | ALSEK   | ALL | CHIN |       |                           |           |                         |           | 2369        | -1723                    | B1                       |             |               |         |              |       |
| 82 | AK | OTHERS  | ALL | CHIN |       |                           |           |                         | 100       | 4050        | -3950                    | B1                       | 5320.37     | 46911         | -41590. |              |       |
| 82 | BC | STIKINE | ALL | CHIN | 2387  |                           | 1.00      | 1.00                    | 2387      | 2387        | 0                        | B2                       |             |               |         |              |       |
| 82 | BC | TAKU    | GN  | CHIN | 54    |                           | 1.00      | 1.00                    | 54        | 54          | 0                        | B2                       |             |               |         |              |       |
| 82 | BC | ALSEK   | IF  | CHIN | 400   |                           | 1.00      | 1.00                    | 400       | 400         | 0                        | B2                       |             |               |         |              |       |
| 82 | BC | ALSEK   | SP  | CHIN | 224   |                           | 1.00      | 1.00                    | 224       | 224         | 0                        | B2                       | 3065        | 3065          | 0       |              |       |
| 83 | AK | STIKINE | GN  | CHIN | 0     |                           | 0.23      |                         | 0         |             |                          | B1                       |             |               |         |              |       |
| 83 | AK | STIKINE | TR  | CHIN |       |                           | 0.16      |                         | 887       |             |                          | B1                       |             |               |         |              | 5435  |

U.S. AND CANADIAN ESTIMATES OF CATCH OF TRANSBOUNDARY CHINOOK 1980 - 1988

| YR | Ju | Area    | Gea | Spec | Catch | PROP BOUND FOR |      | -- CATCH OF TBR CHINOOK |      |       | ----- INTERCEPTION ----- |                          |         | Notes | Border  |       |       |
|----|----|---------|-----|------|-------|----------------|------|-------------------------|------|-------|--------------------------|--------------------------|---------|-------|---------|-------|-------|
|    |    |         |     |      |       | Adjusted       | U.S. | Candn                   | U.S. | Candn | Diff                     | --- CATEGORY SUMMARY --- |         |       |         | Escmt |       |
| a  | b  | c       | d   | e    | f     | g              | h    | i                       | k    | l     | m                        | o                        | p       | q     | r       | t     | u     |
| 83 | AK | STIKINE | ALL | CHIN |       |                |      |                         |      | 7449  | -6562                    | B1                       |         |       |         |       |       |
| 83 | AK | TAKU    | GN  | CHIN | 353   |                | 0.24 |                         | 86   |       |                          | B1                       |         |       |         |       |       |
| 83 | AK | TAKU    | TR  | CHIN |       |                | 0.08 |                         | 251  |       |                          | B1                       |         |       |         |       | 3176  |
| 83 | AK | TAKU    | ALL | CHIN |       |                |      |                         |      | 4994  | -4657                    | B1                       |         |       |         |       |       |
| 83 | AK | 182     | GN  | CHIN | 94    |                | 0.98 |                         | 92   |       |                          | B1                       |         |       |         |       |       |
| 83 | AK | ALSEK   | TR  | CHIN |       |                | 0.03 |                         | 127  |       |                          | B1                       |         |       |         |       | 4201  |
| 83 | AK | ALSEK   | ALL | CHIN |       |                |      |                         |      | 2537  | -2319                    | B1                       |         |       |         |       |       |
| 83 | AK | OTHERS  | ALL | CHIN |       |                |      |                         | 100  | 4050  | -3950                    | B1                       | 1542.63 | 19030 | -17487. |       |       |
| 83 | BC | STIKINE | ALL | CHIN | 1633  |                | 1.00 | 1.00                    | 1633 | 1633  | 0                        | B2                       |         |       |         |       |       |
| 83 | BC | TAKU    | GN  | CHIN | 156   |                | 1.00 | 1.00                    | 156  | 156   | 0                        | B2                       |         |       |         |       |       |
| 83 | BC | ALSEK   | IF  | CHIN | 300   |                | 1.00 | 1.00                    | 300  | 300   | 0                        | B2                       |         |       |         |       |       |
| 83 | BC | ALSEK   | SP  | CHIN | 312   |                | 1.00 | 1.00                    | 312  | 312   | 0                        | B2                       | 2401    | 2401  | 0       |       |       |
| 84 | AK | STIKINE | GN  | CHIN | 0     |                | 0.23 |                         | 0    |       |                          | B1                       |         |       |         |       |       |
| 84 | AK | STIKINE | TR  | CHIN |       |                | 0.16 |                         | 1467 |       |                          | B1                       |         |       |         |       | 8984  |
| 84 | AK | STIKINE | ALL | CHIN |       |                |      |                         |      | 12897 | -11430                   | B1                       |         |       |         |       |       |
| 84 | AK | TAKU    | GN  | CHIN | 869   |                | 0.24 |                         | 212  |       |                          | B1                       |         |       |         |       |       |
| 84 | AK | TAKU    | TR  | CHIN |       |                | 0.08 |                         | 522  |       |                          | B1                       |         |       |         |       | 6601  |
| 84 | AK | TAKU    | ALL | CHIN |       |                |      |                         |      | 9464  | -8730                    | B1                       |         |       |         |       |       |
| 84 | AK | 182     | GN  | CHIN | 60    |                | 0.98 |                         | 59   |       |                          | B1                       |         |       |         |       |       |
| 84 | AK | ALSEK   | TR  | CHIN |       |                | 0.03 |                         | 93   |       |                          | B1                       |         |       |         |       | 3091  |
| 84 | AK | ALSEK   | ALL | CHIN |       |                |      |                         |      | 1672  | -1520                    | B1                       |         |       |         |       |       |
| 84 | AK | OTHERS  | ALL | CHIN |       |                |      |                         | 100  | 4050  | -3950                    | B1                       | 2451.86 | 28083 | -25631. |       |       |
| 84 | BC | STIKINE | ALL | CHIN | 702   |                | 1.00 | 1.00                    | 702  | 702   | 0                        | B2                       |         |       |         |       |       |
| 84 | BC | TAKU    | GN  | CHIN | 294   |                | 1.00 | 1.00                    | 294  | 294   | 0                        | B2                       |         |       |         |       |       |
| 84 | BC | ALSEK   | IF  | CHIN | 100   |                | 1.00 | 1.00                    | 100  | 100   | 0                        | B2                       |         |       |         |       |       |
| 84 | BC | ALSEK   | SP  | CHIN | 475   |                | 1.00 | 1.00                    | 475  | 475   | 0                        | B2                       | 1571    | 1571  | 0       |       |       |
| 85 | AK | STIKINE | GN  | CHIN | 0     |                | 0.23 |                         | 0    |       |                          | B1                       |         |       |         |       |       |
| 85 | AK | STIKINE | TR  | CHIN |       |                | 0.16 |                         | 2236 |       |                          | B1                       |         |       |         |       | 13695 |
| 85 | AK | STIKINE | ALL | CHIN |       |                |      |                         |      | 9587  | -7351                    | B1                       |         |       |         |       |       |
| 85 | AK | TAKU    | GN  | CHIN | 1418  |                | 0.24 |                         | 346  |       |                          | B1                       |         |       |         |       |       |
| 85 | AK | TAKU    | TR  | CHIN |       |                | 0.08 |                         | 884  |       |                          | B1                       |         |       |         |       | 11177 |
| 85 | AK | TAKU    | ALL | CHIN |       |                |      |                         |      | 10321 | -9092                    | B1                       |         |       |         |       |       |
| 85 | AK | 182     | GN  | CHIN | 213   |                | 0.98 |                         | 208  |       |                          | B1                       |         |       |         |       |       |
| 85 | AK | ALSEK   | TR  | CHIN |       |                | 0.03 |                         | 80   |       |                          | B1                       |         |       |         |       | 2643  |
| 85 | AK | ALSEK   | ALL | CHIN |       |                |      |                         |      | 875   | -588                     | B1                       |         |       |         |       |       |
| 85 | AK | OTHERS  | ALL | CHIN |       |                |      |                         | 100  | 2430  | -2330                    | B1                       | 3852.10 | 23213 | -19360. |       |       |
| 85 | BC | STIKINE | ALL | CHIN | 1111  |                | 1.00 | 1.00                    | 1111 | 1111  | 0                        | B2                       |         |       |         |       |       |
| 85 | BC | TAKU    | GN  | CHIN | 326   |                | 1.00 | 1.00                    | 326  | 326   | 0                        | B2                       |         |       |         |       |       |
| 85 | BC | ALSEK   | IF  | CHIN | 175   |                | 1.00 | 1.00                    | 175  | 175   | 0                        | B2                       |         |       |         |       |       |
| 85 | BC | ALSEK   | SP  | CHIN | 250   |                | 1.00 | 1.00                    | 250  | 250   | 0                        | B2                       | 1862    | 1862  | 0       |       |       |
| 86 | AK | STIKINE | GN  | CHIN | 25    |                | 0.23 |                         | 6    |       |                          | B1                       |         |       |         |       |       |
| 86 | AK | STIKINE | TR  | CHIN |       |                | 0.16 |                         | 2205 |       |                          | B1                       |         |       |         |       | 13508 |
| 86 | AK | STIKINE | ALL | CHIN |       |                |      |                         |      | 9456  | -7245                    | B1                       |         |       |         |       |       |
| 86 | AK | TAKU    | GN  | CHIN | 1133  |                | 0.24 |                         | 276  |       |                          | B1                       |         |       |         |       |       |

U.S. AND CANADIAN ESTIMATES OF CATCH OF TRANSBOUNDARY CHINOOK 1980 - 1988

| YR | Ju | Area    | Gea | Spec | Catch | PROP BOUND FOR<br>TBR RIVERS |           | -- CATCH OF TBR CHINOOK |           |                | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |     |           |                | Notes   | Border<br>Escmt |       |
|----|----|---------|-----|------|-------|------------------------------|-----------|-------------------------|-----------|----------------|--|-----|-----------|----------------|---------|-----------------|-------|
|    |    |         |     |      |       | Adjusted<br>Catch            | U.S. Est. | Can dn<br>Est.          | U.S. Est. | Can dn<br>Est. | Diff   | CAT | U.S. Est. | Can dn<br>Est. |         |                 | Diff  |
| a  | b  | c       | d   | e    | f     | g                            | h         | i                       | k         | l              | m  | o   | p         | q              | r       | t               | u     |
| 86 | AK | TAKU    | TR  | CHIN |       |                              | 0.08      |                         | 984       |                |  | B1  |           |                |         |                 | 12453 |
| 86 | AK | TAKU    | ALL | CHIN |       |                              |           |                         |           | 10726          | -9465  | B1  |           |                |         |                 |       |
| 86 | AK | 182     | GN  | CHIN | 478   |                              | 0.98      |                         | 466       |                |  | B1  |           |                |         |                 |       |
| 86 | AK | ALSEK   | TR  | CHIN |       |                              | 0.03      |                         | 145       |                |  | B1  |           |                |         |                 | 4818  |
| 86 | AK | ALSEK   | ALL | CHIN |       |                              |           |                         |           | 1625           | -1014  | B1  |           |                |         |                 |       |
| 86 | AK | OTHERS  | ALL | CHIN |       |                              |           |                         | 100       | 2430           | -2330  | B1  | 4182.72   | 24237          | -20054. |                 |       |
| 86 | BC | STIKINE | ALL | CHIN | 1936  |                              | 1.00      | 1.00                    | 1936      | 1936           | 0  | B2  |           |                |         |                 |       |
| 86 | BC | TAKU    | GN  | CHIN | 275   |                              | 1.00      | 1.00                    | 275       | 275            | 0  | B2  |           |                |         |                 |       |
| 86 | BC | ALSEK   | IF  | CHIN | 102   |                              | 1.00      | 1.00                    | 102       | 102            | 0  | B2  |           |                |         |                 |       |
| 86 | BC | ALSEK   | SP  | CHIN | 165   |                              | 1.00      | 1.00                    | 165       | 165            | 0  | B2  | 2478      | 2478           | 0       |                 |       |
| 87 | AK | STIKINE | GN  | CHIN | 45    |                              | 0.23      |                         | 10        |                |  | B1  |           |                |         |                 |       |
| 87 | AK | STIKINE | TR  | CHIN |       |                              | 0.16      |                         | 3478      |                |  | B1  |           |                |         |                 | 21309 |
| 87 | AK | STIKINE | ALL | CHIN |       |                              |           |                         |           | 14233          | -10744   | B1  |           |                |         |                 |       |
| 87 | AK | TAKU    | GN  | CHIN | 1004  |                              | 0.24      |                         | 245       |                |  | B1  |           |                |         |                 |       |
| 87 | AK | TAKU    | TR  | CHIN |       |                              | 0.08      |                         | 718       |                |  | B1  |           |                |         |                 | 9078  |
| 87 | AK | TAKU    | ALL | CHIN |       |                              |           |                         |           | 9488           | -8526  | B1  |           |                |         |                 |       |
| 87 | AK | 182     | GN  | CHIN | 347   |                              | 0.98      |                         | 338       |                |  | B1  |           |                |         |                 |       |
| 87 | AK | ALSEK   | TR  | CHIN |       |                              | 0.03      |                         | 143       |                |  | B1  |           |                |         |                 | 4729  |
| 87 | AK | ALSEK   | ALL | CHIN |       |                              |           |                         |           | 1570           | -1089  | B1  |           |                |         |                 |       |
| 87 | AK | OTHERS  | ALL | CHIN |       |                              |           |                         | 100       | 2430           | -2330  | B1  | 5032.09   | 27721          | -22688. |                 |       |
| 87 | BC | STIKINE | ALL | CHIN | 2201  |                              | 1.00      | 1.00                    | 2201      | 2201           | 0  | B2  |           |                |         |                 |       |
| 87 | BC | TAKU    | GN  | CHIN | 127   |                              | 1.00      | 1.00                    | 127       | 127            | 0  | B2  |           |                |         |                 |       |
| 87 | BC | ALSEK   | IF  | CHIN | 125   |                              | 1.00      | 1.00                    | 125       | 125            | 0  | B2  |           |                |         |                 |       |
| 87 | BC | ALSEK   | SP  | CHIN | 365   |                              | 1.00      | 1.00                    | 365       | 365            | 0  | B2  | 2818      | 2818           | 0       |                 |       |
| 88 | AK | STIKINE | GN  | CHIN | 155   |                              | 0.23      |                         | 36        |                |  | B1  |           |                |         |                 |       |
| 88 | AK | STIKINE | TR  | CHIN |       |                              | 0.16      |                         | 5145      |                |  | B1  |           |                |         |                 | 31520 |
| 88 | AK | STIKINE | ALL | CHIN |       |                              |           |                         |           | NA             | NA   | B1  |           |                |         |                 |       |
| 88 | AK | TAKU    | GN  | CHIN | 593   |                              | 0.24      |                         | 145       |                |  | B1  |           |                |         |                 |       |
| 88 | AK | TAKU    | TR  | CHIN |       |                              | 0.08      |                         | 1104      |                |  | B1  |           |                |         |                 | 13966 |
| 88 | AK | TAKU    | ALL | CHIN |       |                              |           |                         |           | NA             | NA   | B1  |           |                |         |                 |       |
| 88 | AK | 182     | GN  | CHIN | 223   |                              | 0.98      |                         | 217       |                |  | B1  |           |                |         |                 |       |
| 88 | AK | ALSEK   | TR  | CHIN |       |                              | 0.03      |                         | 124       |                |  | B1  |           |                |         |                 | 4118  |
| 88 | AK | ALSEK   | ALL | CHIN |       |                              |           |                         |           | NA             | NA   | B1  |           |                |         |                 |       |
| 88 | AK | OTHERS  | ALL | CHIN |       |                              |           |                         | 100       | NA             | NA   | B1  | 6871.23   | NA             | NA      |                 |       |
| 88 | BC | STIKINE | ALL | CHIN | 2352  |                              | 1.00      | 1.00                    | 2352      | 2352           | 0  | B2  |           |                |         |                 |       |
| 88 | BC | TAKU    | GN  | CHIN | 555   |                              | 1.00      | 1.00                    | 555       | 555            | 0  | B2  |           |                |         |                 |       |
| 88 | BC | ALSEK   | IF  | CHIN | 43    |                              | 1.00      | 1.00                    | 43        | 43             | 0  | B2  |           |                |         |                 |       |
| 88 | BC | ALSEK   | SP  | CHIN | 275   |                              | 1.00      | 1.00                    | 275       | 275            | 0  | B2  | 3225      | 3225           | 0       |                 |       |

## UNITED STATES TRANSBOUNDARY NOTES - CHINOOK SALMON

### Catch Strata:

Catches from Alaskan commercial fisheries for all species are taken from ADF&G's RUNTIME catch database, updated as of September 1989. These catch data may also be found in the 1989 preliminary annual report of the Transboundary Technical Committee (TTC 1989).

Catch in the Alaskan Stikine gill net strata is total chinook catch from the District 108 fishery through and including statistical week 27 only. Catch in the Taku gill net strata is total chinook catch from the District 111 fishery through and including week 27 only. Catch in the Alaskan Alek set net strata is total chinook catch from Sub-districts 182-30 and 182-31.

For the troll fisheries, border escapement (inriver above-border catch plus spawning escapement) is used rather than district catches to determine category B1 catches.

### Category B1 Catches:

The results from the PSC Chinook Salmon Coastwide Model are not thought to be presently accurate and representative enough to be used as estimates of the chinook stock composition of Southeast Alaska harvest. However, it is anticipated that problems with the quality and quantity of coded-wire-tag data relating to key stocks and fisheries in Southeast Alaska will be resolved this year. These problems include:

- A significant proportion of the southeast Alaska chinook harvest is not represented by stocks in the model. A 1981 to 1987 average of 38% of the troll summer harvest was estimated to have spent one year in freshwater (spring-type stocks). Winter troll, sport, and gill net catches generally have an even larger proportion of the spring-type stocks in the catch. However, the spring-type stocks in the model total less than 5% of the Southeast Alaska harvest (excluding Alaska hatchery fish).
- Transboundary river chinook stocks are not represented in the model. These stocks are believed to contribute substantial numbers of fish to sport and gill net harvests.
- Sport and net fishery data in the base years of 1979 to 1982 (which are used to estimate exploitation rates for later years) are poor to nonexistent.

U.S. estimates of chinook salmon spawning in Canadian portions of the transboundary rivers and harvested in Southeast Alaska fisheries which are presented in the study by Henry and Aro (1981) are expressed as a single number and we have not yet been able to determine the method used for calculation. Therefore, these numbers were not used.

For net fisheries, a percentage of the terminal gill net catches, adjusted with a another percentage applied for chinook salmon spawning in the Canadian portions of the rivers, was used. Alek Stocks: Set gill net catches in Sub-districts 182-30 and -31 are multiplied 0.975 (proportion of Alek chinook salmon spawning in Canada). Stikine Stocks: Drift gill net catches in District 108 through statistical week 27 are first multiplied by 0.25 (proportion of Stikine chinook stocks in catch) and then by 0.925 (proportion of Stikine chinook salmon spawning in Canada). Taku Stocks: Drift gill net catches in District 111 through statistical week 27 are first multiplied by 0.25 (proportion of Taku chinook stocks in catch) and then by 0.975 (proportion of Taku chinook salmon spawning in Canada).

The proportion of Taku chinook salmon in the District 111 drift gill net catches through statistical week 27 is based on proportions of large mature spawners observed during the years 1975 to 1985. The proportion of Stikine chinook

salmon in the District 108 drift gill net catches through statistical week 27 is assumed to be the same as that for the Taku system.

For the troll fisheries, exploitation rates and escapement estimates are used rather than district catches and stock composition proportions. Assumed exploitation rates on the transboundary chinook runs by the troll fishery and inriver return estimates have been used to estimate catch of transboundary stocks and are then adjusted for the percentage of chinook salmon spawning in Canadian portions of each drainage. Alek Stocks: Troll exploitation rate of 0.03 and proportion of chinook salmon spawning in Canada of 0.975 are assumed. Stikine Stocks: Troll exploitation rate of 0.15 and proportion of chinook salmon spawning in Canada of 0.925 are assumed. Taku Stocks: Troll exploitation rate of 0.075 and proportion of chinook salmon spawning in Canada of 0.975 are assumed. Assumed troll exploitation rates are based on general information on migratory patterns of transboundary river and Southeast Alaska chinook stocks. Table 1 contains the estimated total inriver returns of chinook salmon for the transboundary rivers during 1985 to 1988.

Proportions of chinook salmon spawning in Canada portions of the transboundary rivers are taken from: Review of Natural Chinook Salmon Escapement Trends in Transboundary Rivers of Northern B.C. and Southeast Alaska; CDFO and ADF&G; Feb. 1987.

It is assumed that sport catches of transboundary river chinook salmon are small relative to commercial catches and can be considered to be included in the troll estimates.

Catch by U.S. fisheries of chinook salmon that spawn in Canadian portions of other transboundary rivers (Unuk, Chicamin, Chilkat, and Whiting Rivers) was assumed to average 100 fish per year. This assumption was based on estimates of exploitation rates between 20 and 40 percent on recoveries of coded-wire tagged chinook salmon released from the Unuk and Chicamin Rivers during 1983 to 1987 (Mecum & Kissner 1989). Proportions of chinook salmon spawning in Canadian portions of the Unuk, Chicamin, and Chilkat Rivers were taken from: Review of Natural Chinook Salmon Escapement Trends in Transboundary Rivers of Northern B.C. and Southeast Alaska; CDFO and ADF&G; Feb. 1987.

## References:

- Henry and Aro. 1981. Tenth Report of the Technical Committee on Salmon Interceptions. Final Estimates of Salmon Interceptions and Ex-vessel Values - 1978.
- Mecum, R.D. and P. Kissner, Jr. 1989. A Study of Chinook Salmon in southeast Alaska. Alaska Department of Fish and Game. Federal Aid in sport Fish Restoration, Annual Report of Progress, 1987-1988, Project F-10-4.
- Transboundary Technical Committee (TTC). 1989. Preliminary salmon catches, escapements, and enhancement activities in the transboundary rivers in 1989. Unpublished report prepared for the Pacific Salmon Commission and Northern Panel.

Table 1. Preliminary estimates of total inriver returns of chinook salmon to the Alsek, Taku, and Stikine Rivers, 1980 to 1988. Data sources are ADF&G and CDFO management records. Escapements are from ADF&G estimates (Revised Dec. 6, 1989)

| SYSTEM                     | YEAR   |        |        |       |       |        |        |        |        |
|----------------------------|--------|--------|--------|-------|-------|--------|--------|--------|--------|
|                            | 1980   | 1981   | 1982   | 1983  | 1984  | 1985   | 1986   | 1987   | 1988   |
| <b>ALSEK<sup>1</sup></b>   |        |        |        |       |       |        |        |        |        |
| AK SETNET                  | 1,382  | 779    | 532    | 94    | 60    | 213    | 478    | 347    | 223    |
| CANADIAN                   | 350    | 465    | 624    | 612   | 575   | 425    | 267    | 490    | 318    |
| ESCAPEMENT                 | 3,886  | 3,067  | 3,077  | 3,495 | 2,456 | 2,005  | 4,073  | 3,892  | 3,577  |
| TOTALS                     | 5,618  | 4,311  | 4,233  | 4,201 | 3,091 | 2,643  | 4,818  | 4,729  | 4,118  |
| <b>TAKU<sup>2</sup></b>    |        |        |        |       |       |        |        |        |        |
| INRIVER CATCHES            |        |        |        |       |       |        |        |        |        |
| CANADIAN                   | 225    | 159    | 54     | 156   | 294   | 326    | 275    | 127    | 555    |
| ESCAPEMENT                 | 13,402 | 17,900 | 8,398  | 3,020 | 6,307 | 10,851 | 12,178 | 8,951  | 13,411 |
| TOTALS                     | 13,627 | 18,059 | 8,452  | 3,176 | 6,601 | 11,177 | 12,453 | 9,078  | 13,966 |
| <b>STIKINE<sup>3</sup></b> |        |        |        |       |       |        |        |        |        |
| INRIVER CATCHES            |        |        |        |       |       |        |        |        |        |
| CANADIAN                   | 2,231  | 1,558  | 2,387  | 1,633 | 702   | 1,111  | 1,936  | 2,201  | 2,352  |
| ESCAPEMENT                 | 13,677 | 21,338 | 18,112 | 3,802 | 8,282 | 12,584 | 11,572 | 19,108 | 29,168 |
| TOTALS                     | 15,908 | 22,896 | 20,499 | 5,435 | 8,984 | 13,695 | 13,508 | 21,309 | 31,520 |

<sup>1</sup> ALSEK - Inriver catches and escapements include all size chinook salmon.

<sup>2</sup> TAKU - Inriver catches include only "large" chinook salmon; escapements include only 3- and 4- ocean age chinook salmon.

<sup>3</sup> STIKINE - Inriver catches include only "large" chinook salmon; escapements include only 3- and 4- ocean age chinook salmon.

## **APPENDIX 2**

**NORTHERN BOUNDARY TECHNICAL COMMITTEE (1980-1988 DATA)**

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY SOCKEYE**

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY PINK**

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY CHUM**

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY SOCKEYE**



## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR | Ju | Area             | Gear | Spec | Catch  | Adjusted<br>Catch | PROP BOUND FOR<br>OTHER COUNTRY |               | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |               |        | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |              |               |       | Notes |
|----|----|------------------|------|------|--------|-------------------|---------------------------------|---------------|--|---------------|--------|--|--------------|---------------|-------|-------|
|    |    |                  |      |      |        |                   | U.S.<br>Est.                    | Candn<br>Est. | U.S.<br>Est.   | Candn<br>Est. | Diff   | CAT  | U.S.<br>Est. | Candn<br>Est. | Diff  |       |
| a  | b  | c                | d    | e    | f      | g                 | h                               | i             | k  | l             | m      | o  | p            | q             | r     | t     |
| 80 | BC | 1-OUT            | GN   | SOCK | 27026  |                   | 0.030                           | 0.102         | 811  | 2757          | -1946  | C  |              |               |       |       |
| 80 | BC | 1-OUT            | SE   | SOCK | 46027  |                   | 0.030                           | 0.102         | 1381   | 4695          | -3314  | C  |              |               |       |       |
| 80 | BC | 1- IN            | GN   | SOCK | 0      |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 1- IN            | SE   | SOCK | 0      |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 1                | TR   | SOCK | 4751   |                   | 0.030                           | 0.102         | 143  | 485           | -342   | C  |              |               |       |       |
| 80 | BC | 2E               | GN   | SOCK | 143    |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 2E               | SE   | SOCK | 4580   |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 2E               | TR   | SOCK | 273    |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 2W               | GN   | SOCK | 2459   |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 2W               | SE   | SOCK | 25608  |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 2W               | TR   | SOCK | 771    |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 3-(1)            | GN   | SOCK | 30584  |                   | 0.020                           | 0.039         | 612  | 1193          | -581   | C  |              |               |       |       |
| 80 | BC | 3-(1)            | SE   | SOCK | 26213  |                   | 0.020                           | 0.039         | 524  | 1022          | -498   | C  |              |               |       |       |
| 80 | BC | 3-(2-4)          | GN   | SOCK | 22600  |                   | 0.020                           | 0.034         | 452  | 768           | -316   | C  |              |               |       |       |
| 80 | BC | 3-(2-4)          | SE   | SOCK | 53796  |                   | 0.020                           | 0.034         | 1076   | 1829          | -753   | C  |              |               |       |       |
| 80 | BC | 3-(7-17)         | GN   | SOCK | 14914  |                   | 0.020                           | 0.026         | 298  | 388           | -89    | C  |              |               |       |       |
| 80 | BC | 3-(7-17)         | SE   | SOCK | 19044  |                   | 0.020                           | 0.026         | 381  | 495           | -114   | C  |              |               |       |       |
| 80 | BC | 3                | TR   | SOCK | 410    |                   | 0.020                           | 0.039         | 8  | 16            | -8     | C  |              |               |       |       |
| 80 | BC | 4                | GN   | SOCK | 328320 |                   | 0.020                           | 0.010         | 6566   | 3283          | 3283   | C  |              |               |       |       |
| 80 | BC | 4                | SE   | SOCK | 5262   |                   | 0.020                           | 0.010         | 105  | 53            | 53     | C  |              |               |       |       |
| 80 | BC | inside and outsi |      | SOCK |        |                   |                                 |               | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | not separated    |      | SOCK |        |                   |                                 |               | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 4                | TR   | SOCK | 117    |                   | 0.020                           | 0.010         | 2  | 1             | 1      | C  |              |               |       |       |
| 80 | BC | 5 OUT            | GN   | SOCK | 12802  |                   | 0.010                           | 0.004         | 128  | 51            | 77     | C  |              |               |       |       |
| 80 | BC | 5 OUT            | SE   | SOCK | 492    |                   | 0.010                           | 0.004         | 5  | 2             | 3      | C  |              |               |       |       |
| 80 | BC | 5 IN             | GN   | SOCK | 10901  |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 5 IN             | SE   | SOCK | 2533   |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |       |       |
| 80 | BC | 5                | TR   | SOCK | 38     |                   | 0.010                           | 0.004         | 0  | 0             | 0      | C  | 12493        | 17038         | -4545 |       |
| 80 | AK | 101-OUT          | GN   | SOCK | 108766 |                   | 0.750                           | 0.779         | 81575  | 84729         | -3154  | A  |              |               |       |       |
| 80 | AK | 101-OUT          | SE   | SOCK | 39769  |                   | 0.420                           | 0.493         | 16703  | 19606         | -2903  | A  |              |               |       |       |
| 80 | AK | 101-OUT          | TR   | SOCK | 0      |                   | 0.420                           | 0.493         | 0  | 0             | 0      | A  |              |               |       |       |
| 80 | AK | 101 ANN          | GN   | SOCK | 15986  |                   | 0.420                           | 0.493         | 6714   | 7881          | -1167  | A  |              |               |       |       |
| 80 | AK | 101 ANN          | SE   | SOCK | 1853   |                   | 0.420                           | 0.493         | 778  | 914           | -135   | A  |              |               |       |       |
| 80 | AK | 101 ANN          | OG   | SOCK | 8095   |                   | 0.420                           | 0.493         | 3400   | 3991          | -591   | A  |              |               |       |       |
| 80 | AK | 101 TERM         | GN   | SOCK | 0      |                   | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |       |       |
| 80 | AK | 101 TERM         | SE   | SOCK | 0      |                   | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |       |       |
| 80 | AK | 101 TERM         | TR   | SOCK | 167    |                   | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |       |       |
| 80 | AK | 102              | GN   | SOCK | 0      |                   | 0.230                           | 0.450         | 0  | 0             | 0      | A  |              |               |       |       |
| 80 | AK | 102              | SE   | SOCK | 26530  |                   | 0.230                           | 0.450         | 6102   | 11939         | -5837  | A  |              |               |       |       |
| 80 | AK | 102              | TR   | SOCK | 105    |                   | 0.230                           | 0.450         | 24   | 47            | -23    | A  |              |               |       |       |
| 80 | AK | 103              | SE   | SOCK | 9398   |                   | 0.310                           | 0.318         | 2913   | 2989          | -75    | A  |              |               |       |       |
| 80 | AK | 103              | TR   | SOCK | 242    |                   | 0.310                           | 0.318         | 75   | 77            | -2     | A  |              |               |       |       |
| 80 | AK | 104              | SE   | SOCK | 410107 |                   | 0.730                           | 0.799         | 299378   | 327675        | -28297 | A  |              |               |       |       |
| 80 | AK | 104              | TR   | SOCK | 49     |                   | 0.730                           | 0.799         | 36   | 39            | -3     | A  |              |               |       |       |
| 80 | AK | 105              | SE   | SOCK | 13     |                   | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |       |       |
| 80 | AK | 105              | TR   | SOCK | 13     |                   | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |       |       |

## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR | Ju | Area             | Gear | Spec | Catch   | Adjusted<br>Catch | PROP BOUND FOR<br>OTHER COUNTRY |               | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |               |        | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |              |               |        | Notes |
|----|----|------------------|------|------|---------|-------------------|---------------------------------|---------------|--|---------------|--------|--|--------------|---------------|--------|-------|
|    |    |                  |      |      |         |                   | U.S.<br>Est.                    | Candn<br>Est. | U.S.<br>Est.   | Candn<br>Est. | Diff   | CAT  | U.S.<br>Est. | Candn<br>Est. | Diff   |       |
| a  | b  | c                | d    | e    | f       | g                 | h                               | i             | k  | l             | m      | o  | p            | q             | r      | t     |
| 80 | AK | 106-OUT          | GN   | SOCK | 107418  |                   | 0.250                           | 0.395         | 26855  | 42430         | -15576 | A  |              |               |        |       |
| 80 | AK | 106-OUT          | SE   | SOCK | 0       |                   | 0.250                           | 0.395         | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 106-OUT          | TR   | SOCK | 14      |                   | 0.250                           | 0.395         | 4  | 6             | -2     | A  |              |               |        |       |
| 80 | AK | 106-44           | GN   | SOCK | 0       |                   | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 106-44           | TR   | SOCK | 0       |                   | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 107-OUT          | SE   | SOCK | 0       |                   | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 107-OUT          | TR   | SOCK | 13      |                   | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 107-45           | GN   | SOCK | 0       |                   | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 107-45           | SE   | SOCK | 0       |                   | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 107-45           | TR   | SOCK | 0       |                   | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 108-OUT          | GN   | SOCK | 14053   |                   | 0.013                           | 0.013         | 183  | 183           | 0      | A  |              |               |        |       |
| 80 | AK | 108-OUT          | TR   | SOCK | 0       |                   | 0.013                           | 0.013         | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 108-45           | GN   | SOCK | 0       |                   | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 80 | AK | 152              | TR   | SOCK | 143     |                   | 0.730                           |               | 104  | 0             | 104    | A  | 444843       | 502505        | -57661 |       |
| 81 | BC | 1-OUT            | GN   | SOCK | 42065   |                   | 0.030                           | 0.102         | 1262   | 4291          | -3029  | C  |              |               |        |       |
| 81 | BC | 1-OUT            | SE   | SOCK | 177831  |                   | 0.030                           | 0.102         | 5335   | 18139         | -12804 | C  |              |               |        |       |
| 81 | BC | 1- IN            | GN   | SOCK | 0       |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 1- IN            | SE   | SOCK | 0       |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 1                | TR   | SOCK | 8837    |                   | 0.030                           | 0.102         | 265  | 901           | -636   | C  |              |               |        |       |
| 81 | BC | 2E               | GN   | SOCK | 1       |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 2E               | SE   | SOCK | 3       |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 2E               | TR   | SOCK | 1348    |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 2W               | GN   | SOCK | 580     |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 2W               | SE   | SOCK | 56224   |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 2W               | TR   | SOCK | 1550    |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 3-(1)            | GN   | SOCK | 60084   |                   | 0.020                           | 0.039         | 1202   | 2343          | -1142  | C  |              |               |        |       |
| 81 | BC | 3-(1)            | SE   | SOCK | 60874   |                   | 0.020                           | 0.039         | 1217   | 2374          | -1157  | C  |              |               |        |       |
| 81 | BC | 3-(2-4)          | GN   | SOCK | 18105   |                   | 0.020                           | 0.034         | 362  | 616           | -253   | C  |              |               |        |       |
| 81 | BC | 3-(2-4)          | SE   | SOCK | 124182  |                   | 0.020                           | 0.034         | 2484   | 4222          | -1739  | C  |              |               |        |       |
| 81 | BC | 3-(7-17)         | GN   | SOCK | 75114   |                   | 0.020                           | 0.026         | 1502   | 1953          | -451   | C  |              |               |        |       |
| 81 | BC | 3-(7-17)         | SE   | SOCK | 65781   |                   | 0.020                           | 0.026         | 1316   | 1710          | -395   | C  |              |               |        |       |
| 81 | BC | 3                | TR   | SOCK | 655     |                   | 0.020                           | 0.039         | 13   | 26            | -12    | C  |              |               |        |       |
| 81 | BC | 4                | GN   | SOCK | 1362820 |                   | 0.020                           | 0.010         | 27256  | 13628         | 13628  | C  |              |               |        |       |
| 81 | BC | 4                | SE   | SOCK | 187085  |                   | 0.020                           | 0.010         | 3742   | 1871          | 1871   | C  |              |               |        |       |
| 81 | BC | inside and outsi |      | SOCK |         |                   |                                 |               | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | not separated    |      | SOCK |         |                   |                                 |               | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 4                | TR   | SOCK | 265     |                   | 0.020                           | 0.010         | 5  | 3             | 3      | C  |              |               |        |       |
| 81 | BC | 5 OUT            | GN   | SOCK | 21957   |                   | 0.010                           | 0.004         | 220  | 88            | 132    | C  |              |               |        |       |
| 81 | BC | 5 OUT            | SE   | SOCK | 3317    |                   | 0.010                           | 0.004         | 33   | 13            | 20     | C  |              |               |        |       |
| 81 | BC | 5 IN             | GN   | SOCK | 3214    |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 5 IN             | SE   | SOCK | 567     |                   | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 81 | BC | 5                | TR   | SOCK | 16      |                   | 0.010                           | 0.004         | 0  | 0             | 0      | C  | 46214        | 52178         | -5963  |       |
| 81 | AK | 101-OUT          | GN   | SOCK | 105478  |                   | 0.750                           | 0.779         | 79109  | 82167         | -3059  | A  |              |               |        |       |
| 81 | AK | 101-OUT          | SE   | SOCK | 24188   |                   | 0.420                           | 0.493         | 10159  | 11925         | -1766  | A  |              |               |        |       |
| 81 | AK | 101-OUT          | TR   | SOCK |         |                   | 0.420                           | 0.493         | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 101 ANN          | GN   | SOCK | 25699   |                   | 0.420                           | 0.493         | 10794  | 12670         | -1876  | A  |              |               |        |       |

## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR | Ju | Area     | Gear | Spec | Catch | Adjusted<br>Catch | PROP BOUND FOR<br>OTHER COUNTRY |               | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |               |        | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |              |               |        | Notes |
|----|----|----------|------|------|-------|-------------------|---------------------------------|---------------|--|---------------|--------|--|--------------|---------------|--------|-------|
|    |    |          |      |      |       |                   | U.S.<br>Est.                    | Candn<br>Est. | U.S.<br>Est.   | Candn<br>Est. | Diff   | CAT  | U.S.<br>Est. | Candn<br>Est. | Diff   |       |
| a  | b  | c        | d    | e    | f     | g                 | h                               | i             | k  | l             | m      | o  | p            | q             | r      | t     |
| 81 | AK | 101      | ANN  | SE   | SOCK  | 1316              | 0.420                           | 0.493         | 553  | 649           | -96    | A  |              |               |        |       |
| 81 | AK | 101      | ANN  | OG   | SOCK  | 11467             | 0.420                           | 0.493         | 4816   | 5653          | -837   | A  |              |               |        |       |
| 81 | AK | 101      | TERM | GN   | SOCK  | 0                 | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 101      | TERM | SE   | SOCK  | 0                 | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 101      | TERM | TR   | SOCK  | 74                | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 102      | GN   | SE   | SOCK  | 0                 | 0.230                           | 0.450         | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 102      | SE   | TR   | SOCK  | 24034             | 0.230                           | 0.450         | 5528   | 10815         | -5287  | A  |              |               |        |       |
| 81 | AK | 102      | TR   | SE   | SOCK  | 93                | 0.230                           | 0.450         | 21   | 42            | -20    | A  |              |               |        |       |
| 81 | AK | 103      | SE   | TR   | SOCK  | 37934             | 0.310                           | 0.318         | 11760  | 12063         | -303   | A  |              |               |        |       |
| 81 | AK | 103      | TR   | SE   | SOCK  | 81                | 0.310                           | 0.318         | 25   | 26            | -1     | A  |              |               |        |       |
| 81 | AK | 104      | SE   | TR   | SOCK  | 291527            | 0.730                           | 0.799         | 212815   | 232930        | -20115 | A  |              |               |        |       |
| 81 | AK | 104      | TR   | SE   | SOCK  | 795               | 0.730                           | 0.799         | 580  | 635           | -55    | A  |              |               |        |       |
| 81 | AK | 105      | SE   | TR   | SOCK  | 171               | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 105      | TR   | SE   | SOCK  | 288               | 0.000                           | 0.000         | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 106-OUT  | GN   | SE   | SOCK  | 182905            | 0.250                           | 0.395         | 45726  | 72247         | -26521 | A  |              |               |        |       |
| 81 | AK | 106-OUT  | SE   | TR   | SOCK  | 4193              | 0.250                           | 0.395         | 1048   | 1656          | -608   | A  |              |               |        |       |
| 81 | AK | 106-OUT  | TR   | SE   | SOCK  | 90                | 0.250                           | 0.395         | 23   | 36            | -13    | A  |              |               |        |       |
| 81 | AK | 106-44   | GN   | SE   | SOCK  | 0                 | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 106-44   | TR   | SE   | SOCK  | 0                 | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 107-OUT  | SE   | TR   | SOCK  | 268               | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 107-OUT  | TR   | SE   | SOCK  | 12                | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 107-45   | GN   | SE   | SOCK  | 0                 | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 107-45   | SE   | TR   | SOCK  | 0                 | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 107-45   | TR   | SE   | SOCK  | 0                 | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 108-OUT  | GN   | SE   | SOCK  | 8833              | 0.013                           | 0.013         | 115  | 115           | 0      | A  |              |               |        |       |
| 81 | AK | 108-OUT  | TR   | SE   | SOCK  | 2                 | 0.013                           | 0.013         | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 108-45   | GN   | SE   | SOCK  | 0                 | 0.000                           |               | 0  | 0             | 0      | A  |              |               |        |       |
| 81 | AK | 152      | TR   | SE   | SOCK  | 340               | 0.730                           |               | 248  | 0             | 248    | A  | 383319       | 443629        | -60310 |       |
| 82 | BC | 1-OUT    | GN   | SE   | SOCK  | 800               | 0.030                           | 0.109         | 24   | 87            | -63    | C  |              |               |        |       |
| 82 | BC | 1-OUT    | SE   | TR   | SOCK  | 58665             | 0.030                           | 0.109         | 1760   | 6394          | -4635  | C  |              |               |        |       |
| 82 | BC | 1- IN    | GN   | SE   | SOCK  | 0                 | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 82 | BC | 1- IN    | SE   | TR   | SOCK  | 0                 | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 82 | BC | 1        | TR   | SE   | SOCK  | 3840              | 0.030                           | 0.109         | 115  | 419           | -303   | C  |              |               |        |       |
| 82 | BC | 2E       | GN   | SE   | SOCK  | 61                | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 82 | BC | 2E       | SE   | TR   | SOCK  | 9                 | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 82 | BC | 2E       | TR   | SE   | SOCK  | 10906             | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 82 | BC | 2W       | GN   | SE   | SOCK  | 660               | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 82 | BC | 2W       | SE   | TR   | SOCK  | 9409              | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 82 | BC | 2W       | TR   | SE   | SOCK  | 6707              | 0.000                           | 0.000         | 0  | 0             | 0      | C  |              |               |        |       |
| 82 | BC | 3-(1)    | GN   | SE   | SOCK  | 33549             | 0.020                           | 0.048         | 671  | 1610          | -939   | C  |              |               |        |       |
| 82 | BC | 3-(1)    | SE   | TR   | SOCK  | 282279            | 0.020                           | 0.048         | 5646   | 13549         | -7904  | C  |              |               |        |       |
| 82 | BC | 3-(2-4)  | GN   | SE   | SOCK  | 21532             | 0.020                           | 0.050         | 431  | 1077          | -646   | C  |              |               |        |       |
| 82 | BC | 3-(2-4)  | SE   | TR   | SOCK  | 100118            | 0.020                           | 0.050         | 2002   | 5006          | -3004  | C  |              |               |        |       |
| 82 | BC | 3-(7-17) | GN   | SE   | SOCK  | 197875            | 0.020                           | 0.047         | 3958   | 9300          | -5343  | C  |              |               |        |       |
| 82 | BC | 3-(7-17) | SE   | TR   | SOCK  | 11521             | 0.020                           | 0.047         | 230  | 541           | -311   | C  |              |               |        |       |
| 82 | BC | 3        | TR   | SE   | SOCK  | 5545              | 0.020                           | 0.048         | 111  | 266           | -155   | C  |              |               |        |       |

## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR | Ju | Area             | Gear | Spec | Catch   | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |        |        | ----- INTERCEPTION ----- |      |                          |        | Notes  |   |
|----|----|------------------|------|------|---------|----------------|---------------|---------------------------|--------|--------|--------------------------|------|--------------------------|--------|--------|---|
|    |    |                  |      |      |         | Adjusted       | OTHER COUNTRY | U.S.                      | Canth  | U.S.   | Canth                    | Diff | --- CATEGORY SUMMARY --- |        |        |   |
| a  | b  | c                | d    | e    | f       | g              | h             | i                         | k      | l      | m                        | o    | p                        | q      | r      | t |
| 82 | BC |                  | 4 GN | SOCK | 1314982 |                | 0.020         | 0.010                     | 26300  | 13150  | 13150                    | C    |                          |        |        |   |
| 82 | BC |                  | 4 SE | SOCK | 376815  |                | 0.020         | 0.010                     | 7536   | 3768   | 3768                     | C    |                          |        |        |   |
| 82 | BC | inside and outsi |      | SOCK |         |                |               |                           | 0      | 0      | 0                        | C    |                          |        |        |   |
| 82 | BC | not separated    |      | SOCK |         |                |               |                           | 0      | 0      | 0                        | C    |                          |        |        |   |
| 82 | BC |                  | 4 TR | SOCK | 5931    |                | 0.020         | 0.010                     | 119    | 59     | 59                       | C    |                          |        |        |   |
| 82 | BC | 5 OUT            | GN   | SOCK | 18432   |                | 0.010         | 0.009                     | 184    | 166    | 18                       | C    |                          |        |        |   |
| 82 | BC | 5 OUT            | SE   | SOCK | 1754    |                | 0.010         | 0.009                     | 18     | 16     | 2                        | C    |                          |        |        |   |
| 82 | BC | 5 IN             | GN   | SOCK | 16882   |                | 0.000         | 0.000                     | 0      | 0      | 0                        | C    |                          |        |        |   |
| 82 | BC | 5 IN             | SE   | SOCK | 34108   |                | 0.000         | 0.000                     | 0      | 0      | 0                        | C    |                          |        |        |   |
| 82 | BC |                  | 5 TR | SOCK | 6376    |                | 0.010         | 0.009                     | 64     | 57     | 6                        | C    | 49168                    | 55467  | -6299  |   |
| 82 | AK | 101-OUT          | GN   | SOCK | 190677  |                | 0.640         | 0.671                     | 122033 | 127944 | -5911                    | A    |                          |        |        |   |
| 82 | AK | 101-OUT          | SE   | SOCK | 71341   |                | 0.440         | 0.439                     | 31390  | 31319  | 71                       | A    |                          |        |        |   |
| 82 | AK | 101-OUT          | TR   | SOCK | 0       |                | 0.440         | 0.439                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 101 ANN          | GN   | SOCK | 42819   |                | 0.440         | 0.439                     | 18840  | 18798  | 43                       | A    |                          |        |        |   |
| 82 | AK | 101 ANN          | SE   | SOCK | 2476    |                | 0.440         | 0.439                     | 1089   | 1087   | 2                        | A    |                          |        |        |   |
| 82 | AK | 101 ANN          | OG   | SOCK | 24412   |                | 0.440         | 0.439                     | 10741  | 10717  | 24                       | A    |                          |        |        |   |
| 82 | AK | 101 TERM         | GN   | SOCK | 0       |                | 0.000         | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 101 TERM         | SE   | SOCK | 0       |                | 0.000         | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 101 TERM         | TR   | SOCK | 60      |                | 0.000         | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 102              | GN   | SOCK | 0       |                | 0.200         | 0.258                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 102              | SE   | SOCK | 22747   |                | 0.200         | 0.258                     | 4549   | 5869   | -1319                    | A    |                          |        |        |   |
| 82 | AK | 102              | TR   | SOCK | 63      |                | 0.200         | 0.258                     | 13     | 16     | -4                       | A    |                          |        |        |   |
| 82 | AK | 103              | SE   | SOCK | 1042    |                | 0.280         | 0.350                     | 292    | 365    | -73                      | A    |                          |        |        |   |
| 82 | AK | 103              | TR   | SOCK | 30      |                | 0.280         | 0.350                     | 8      | 11     | -2                       | A    |                          |        |        |   |
| 82 | AK | 104              | SE   | SOCK | 285401  |                | 0.620         | 0.708                     | 176949 | 202064 | -25115                   | A    |                          |        |        |   |
| 82 | AK | 104              | TR   | SOCK | 97      |                | 0.620         | 0.708                     | 60     | 69     | -9                       | A    |                          |        |        |   |
| 82 | AK | 105              | SE   | SOCK | 43      |                | 0.000         | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 105              | TR   | SOCK | 44      |                | 0.000         | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 106-OUT          | GN   | SOCK | 193360  |                | 0.319         | 0.507                     | 61682  | 98034  | -36352                   | A    |                          |        |        |   |
| 82 | AK | 106-OUT          | SE   | SOCK | 0       |                | 0.319         | 0.507                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 106-OUT          | TR   | SOCK | 37      |                | 0.319         | 0.507                     | 12     | 19     | -7                       | A    |                          |        |        |   |
| 82 | AK | 106-44           | GN   | SOCK | 16      |                | 0.000         |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 106-44           | TR   | SOCK | 0       |                | 0.000         |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 107-OUT          | SE   | SOCK | 305     |                | 0.000         |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 107-OUT          | TR   | SOCK | 3       |                | 0.000         |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 107-45           | GN   | SOCK | 0       |                | 0.000         |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 107-45           | SE   | SOCK | 0       |                | 0.000         |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 107-45           | TR   | SOCK | 0       |                | 0.000         |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 108-OUT          | GN   | SOCK | 6886    |                | 0.013         | 0.013                     | 90     | 90     | 0                        | A    |                          |        |        |   |
| 82 | AK | 108-OUT          | TR   | SOCK | 0       |                | 0.013         | 0.013                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 108-45           | GN   | SOCK | 0       |                | 0.000         |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 82 | AK | 152              | TR   | SOCK | 25      |                | 0.620         |                           | 16     | 0      | 16                       | A    | 427764                   | 496399 | -68635 |   |
| 83 | BC | 1-OUT            | GN   | SOCK | 1113    |                | 0.030         | 0.039                     | 33     | 43     | -10                      | C    |                          |        |        |   |
| 83 | BC | 1-OUT            | SE   | SOCK | 31315   |                | 0.030         | 0.039                     | 939    | 1221   | -282                     | C    |                          |        |        |   |
| 83 | BC | 1- IN            | GN   | SOCK | 0       |                | 0.000         | 0.000                     | 0      | 0      | 0                        | C    |                          |        |        |   |
| 83 | BC | 1- IN            | SE   | SOCK | 0       |                | 0.000         | 0.000                     | 0      | 0      | 0                        | C    |                          |        |        |   |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR | Ju | Area             | Gear     | Spec | Catch | PROP BOUND FOR |            | -- CATCH OF FISH BOUND -- |           |            | ----- INTERCEPTION ----- |            |      |           | Notes      |      |   |
|----|----|------------------|----------|------|-------|----------------|------------|---------------------------|-----------|------------|--------------------------|------------|------|-----------|------------|------|---|
|    |    |                  |          |      |       | Adjusted       | U.S. Candn | U.S.                      | Candn     | Diff       | --- CATEGORY SUMMARY --- |            |      |           |            |      |   |
| a  | b  | c                | d        | e    | f     | g              | h          | i                         | U.S. Est. | Candn Est. | U.S. Est.                | Candn Est. | Diff | U.S. Est. | Candn Est. | Diff | t |
|    |    |                  |          |      |       |                |            |                           | k         | l          | m                        |            | o    | p         | q          | r    |   |
| 83 | BC |                  | 1        | TR   | SOCK  | 3947           |            | 0.030                     | 0.039     | 118        | 154                      | -36        | C    |           |            |      |   |
| 83 | BC |                  | 2E       | GN   | SOCK  | 0              |            | 0.000                     | 0.000     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 2E       | SE   | SOCK  | 0              |            | 0.000                     | 0.000     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 2E       | TR   | SOCK  | 725            |            | 0.000                     | 0.000     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 2W       | GN   | SOCK  | 5              |            | 0.000                     | 0.000     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 2W       | SE   | SOCK  | 200592         |            | 0.000                     | 0.000     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 2W       | TR   | SOCK  | 408            |            | 0.000                     | 0.000     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 3-(1)    | GN   | SOCK  | 27640          |            | 0.020                     | 0.007     | 553        | 193                      | 359        | C    |           |            |      |   |
| 83 | BC |                  | 3-(1)    | SE   | SOCK  | 85028          |            | 0.020                     | 0.007     | 1701       | 595                      | 1105       | C    |           |            |      |   |
| 83 | BC |                  | 3-(2-4)  | GN   | SOCK  | 77429          |            | 0.020                     | 0.019     | 1549       | 1471                     | 77         | C    |           |            |      |   |
| 83 | BC |                  | 3-(2-4)  | SE   | SOCK  | 137826         |            | 0.020                     | 0.019     | 2757       | 2619                     | 138        | C    |           |            |      |   |
| 83 | BC |                  | 3-(7-17) | GN   | SOCK  | 245408         |            | 0.020                     | 0.005     | 4908       | 1227                     | 3681       | C    |           |            |      |   |
| 83 | BC |                  | 3-(7-17) | SE   | SOCK  | 122458         |            | 0.020                     | 0.005     | 2449       | 612                      | 1837       | C    |           |            |      |   |
| 83 | BC |                  | 3        | TR   | SOCK  | 1192           |            | 0.020                     | 0.007     | 24         | 8                        | 15         | C    |           |            |      |   |
| 83 | BC |                  | 4        | GN   | SOCK  | 285137         |            | 0.020                     | 0.010     | 5703       | 2851                     | 2851       | C    |           |            |      |   |
| 83 | BC |                  | 4        | SE   | SOCK  | 0              |            | 0.020                     | 0.010     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC | inside and outsi |          |      | SOCK  |                |            |                           |           | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC | not separated    |          |      | SOCK  |                |            |                           |           | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 4        | TR   | SOCK  | 596            |            | 0.020                     | 0.010     | 12         | 6                        | 6          | C    |           |            |      |   |
| 83 | BC |                  | 5 OUT    | GN   | SOCK  | 5175           |            | 0.010                     | 0.000     | 52         | 0                        | 52         | C    |           |            |      |   |
| 83 | BC |                  | 5 OUT    | SE   | SOCK  | 133            |            | 0.010                     | 0.000     | 1          | 0                        | 1          | C    |           |            |      |   |
| 83 | BC |                  | 5 IN     | GN   | SOCK  | 5204           |            | 0.000                     | 0.000     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 5 IN     | SE   | SOCK  | 3849           |            | 0.000                     | 0.000     | 0          | 0                        | 0          | C    |           |            |      |   |
| 83 | BC |                  | 5        | TR   | SOCK  | 82             |            | 0.010                     | 0.000     | 1          | 0                        | 1          | C    | 20799     | 11002      | 9797 |   |
| 83 | AK |                  | 101-OUT  | GN   | SOCK  | 136006         |            | 0.640                     | 0.770     | 87044      | 104725                   | -17681     | A    |           |            |      |   |
| 83 | AK |                  | 101-OUT  | SE   | SOCK  | 47912          |            | 0.570                     | 0.754     | 27310      | 36126                    | -8816      | A    |           |            |      |   |
| 83 | AK |                  | 101-OUT  | TR   | SOCK  | 0              |            | 0.570                     | 0.754     | 0          | 0                        | 0          | A    |           |            |      |   |
| 83 | AK |                  | 101 ANN  | GN   | SOCK  | 21922          |            | 0.570                     | 0.754     | 12496      | 16529                    | -4034      | A    |           |            |      |   |
| 83 | AK |                  | 101 ANN  | SE   | SOCK  | 6148           |            | 0.570                     | 0.754     | 3504       | 4636                     | -1131      | A    |           |            |      |   |
| 83 | AK |                  | 101 ANN  | OG   | SOCK  | 4854           |            | 0.570                     | 0.754     | 2767       | 3660                     | -893       | A    |           |            |      |   |
| 83 | AK |                  | 101 TERM | GN   | SOCK  | 0              |            | 0.000                     | 0.000     | 0          | 0                        | 0          | A    |           |            |      |   |
| 83 | AK |                  | 101 TERM | SE   | SOCK  | 0              |            | 0.000                     | 0.000     | 0          | 0                        | 0          | A    |           |            |      |   |
| 83 | AK |                  | 101 TERM | TR   | SOCK  | 115            |            | 0.000                     | 0.000     | 0          | 0                        | 0          | A    |           |            |      |   |
| 83 | AK |                  | 102      | GN   | SOCK  | 0              |            | 0.410                     | 0.673     | 0          | 0                        | 0          | A    |           |            |      |   |
| 83 | AK |                  | 102      | SE   | SOCK  | 11123          |            | 0.410                     | 0.673     | 4560       | 7486                     | -2925      | A    |           |            |      |   |
| 83 | AK |                  | 102      | TR   | SOCK  | 91             |            | 0.410                     | 0.673     | 37         | 61                       | -24        | A    |           |            |      |   |
| 83 | AK |                  | 103      | SE   | SOCK  | 10389          |            | 0.320                     | 0.321     | 3324       | 3335                     | -10        | A    |           |            |      |   |
| 83 | AK |                  | 103      | TR   | SOCK  | 55             |            | 0.320                     | 0.321     | 18         | 18                       | -0         | A    |           |            |      |   |
| 83 | AK |                  | 104      | SE   | SOCK  | 650807         |            | 0.760                     | 0.846     | 494613     | 550583                   | -55969     | A    |           |            |      |   |
| 83 | AK |                  | 104      | TR   | SOCK  | 853            |            | 0.760                     | 0.846     | 648        | 722                      | -73        | A    |           |            |      |   |
| 83 | AK |                  | 105      | SE   | SOCK  | 397            |            | 0.000                     | 1.000     | 0          | 397                      | -397       | A    |           |            |      |   |
| 83 | AK |                  | 105      | TR   | SOCK  | 105            |            | 0.000                     | 1.000     | 0          | 105                      | -105       | A    |           |            |      |   |
| 83 | AK |                  | 106-OUT  | GN   | SOCK  | 48942          |            | 0.217                     | 0.263     | 10620      | 12872                    | -2251      | A    |           |            |      |   |
| 83 | AK |                  | 106-OUT  | SE   | SOCK  | 2148           |            | 0.217                     | 0.263     | 466        | 565                      | -99        | A    |           |            |      |   |
| 83 | AK |                  | 106-OUT  | TR   | SOCK  | 104            |            | 0.217                     | 0.263     | 23         | 27                       | -5         | A    |           |            |      |   |
| 83 | AK |                  | 106-44   | GN   | SOCK  | 0              |            | 0.000                     |           | 0          | 0                        | 0          | A    |           |            |      |   |

## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR | Ju | Area     | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |           |            | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |            |        | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |           |            |        | Notes |
|----|----|----------|------|------|--------|------------------------------|-----------|------------|--|------------|--------|--|-----------|------------|--------|-------|
|    |    |          |      |      |        | Adjusted Catch               | U.S. Est. | Cannd Est. | U.S. Est.  | Cannd Est. | Diff   | CAT  | U.S. Est. | Cannd Est. | Diff   |       |
| a  | b  | c        | d    | e    | f      | g                            | h         | i          | k  | l          | m      | o  | p         | q          | r      | t     |
| 83 | AK | 106-44   | TR   | SOCK | 0      |                              | 0.000     |            | 0  | 0          | 0      | A  |           |            |        |       |
| 83 | AK | 107-OUT  | SE   | SOCK | 1239   |                              | 0.000     |            | 0  | 0          | 0      | A  |           |            |        |       |
| 83 | AK | 107-OUT  | TR   | SOCK | 3      |                              | 0.000     |            | 0  | 0          | 0      | A  |           |            |        |       |
| 83 | AK | 107-45   | GN   | SOCK | 0      |                              | 0.000     |            | 0  | 0          | 0      | A  |           |            |        |       |
| 83 | AK | 107-45   | SE   | SOCK | 0      |                              | 0.000     |            | 0  | 0          | 0      | A  |           |            |        |       |
| 83 | AK | 107-45   | TR   | SOCK | 0      |                              | 0.000     |            | 0  | 0          | 0      | A  |           |            |        |       |
| 83 | AK | 108-OUT  | GN   | SOCK | 178    |                              | 0.013     | 0.013      | 2  | 2          | 0      | A  |           |            |        |       |
| 83 | AK | 108-OUT  | TR   | SOCK | 2      |                              | 0.013     | 0.013      | 0  | 0          | 0      | A  |           |            |        |       |
| 83 | AK | 108-45   | GN   | SOCK | 0      |                              | 0.000     |            | 0  | 0          | 0      | A  |           |            |        |       |
| 83 | AK | 152      | TR   | SOCK | 1      |                              | 0.760     |            | 1  | 0          | 1      | A  | 647434    | 741847     | -94413 |       |
| 84 | BC | 1 OUT    | GN   | SOCK | 8422   |                              | 0.030     | 0.114      | 253  | 960        | -707   | C  |           |            |        |       |
| 84 | BC | 1 OUT    | SE   | SOCK | 20074  |                              | 0.030     | 0.114      | 602  | 2288       | -1686  | C  |           |            |        |       |
| 84 | BC | 1 IN     | GN   | SOCK | 1612   |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 1 IN     | SE   | SOCK | 1601   |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 1        | TR   | SOCK | 17900  |                              | 0.030     | 0.114      | 537  | 2041       | -1504  | C  |           |            |        |       |
| 84 | BC | 2E       | GN   | SOCK | 4      |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 2E       | SE   | SOCK | 22     |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 2E       | TR   | SOCK | 286    |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 2W       | GN   | SOCK | 109    |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 2W       | SE   | SOCK | 82545  |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 2W       | TR   | SOCK | 968    |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 3-(1)    | GN   | SOCK | 30917  |                              | 0.020     | 0.030      | 618  | 928        | -309   | C  |           |            |        |       |
| 84 | BC | 3-(1)    | SE   | SOCK | 87976  |                              | 0.020     | 0.030      | 1760   | 2639       | -880   | C  |           |            |        |       |
| 84 | BC | 3-(2-4)  | GN   | SOCK | 51882  |                              | 0.020     | 0.034      | 1038   | 1764       | -726   | C  |           |            |        |       |
| 84 | BC | 3-(2-4)  | SE   | SOCK | 31872  |                              | 0.020     | 0.034      | 637  | 1084       | -446   | C  |           |            |        |       |
| 84 | BC | 3-(7-17) | GN   | SOCK | 168989 |                              | 0.020     | 0.026      | 3380   | 4394       | -1014  | C  |           |            |        |       |
| 84 | BC | 3-(7-17) | SE   | SOCK | 27983  |                              | 0.020     | 0.026      | 560  | 728        | -168   | C  |           |            |        |       |
| 84 | BC | 3        | TR   | SOCK | 1394   |                              | 0.020     | 0.030      | 28   | 42         | -14    | C  |           |            |        |       |
| 84 | BC | 4-OUT    | GN   | SOCK | 51607  |                              | 0.020     | 0.037      | 1032   | 1909       | -877   | C  |           |            |        |       |
| 84 | BC | 4-OUT    | SE   | SOCK | 113667 |                              | 0.020     | 0.037      | 2273   | 4206       | -1932  | C  |           |            |        |       |
| 84 | BC | 4-IN     | GN   | SOCK | 530361 |                              | 0.020     | 0.000      | 10607  | 0          | 10607  | C  |           |            |        |       |
| 84 | BC | 4-IN     | SE   | SOCK | 59824  |                              | 0.020     | 0.000      | 1196   | 0          | 1196   | C  |           |            |        |       |
| 84 | BC | 4        | TR   | SOCK | 4689   |                              | 0.020     | 0.037      | 94   | 173        | -80    | C  |           |            |        |       |
| 84 | BC | 5 OUT    | GN   | SOCK | 8698   |                              | 0.010     | 0.004      | 87   | 35         | 52     | C  |           |            |        |       |
| 84 | BC | 5 OUT    | SE   | SOCK | 567    |                              | 0.010     | 0.004      | 6  | 2          | 3      | C  |           |            |        |       |
| 84 | BC | 5 IN     | GN   | SOCK | 3256   |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 5 IN     | SE   | SOCK | 23015  |                              | 0.000     | 0.000      | 0  | 0          | 0      | C  |           |            |        |       |
| 84 | BC | 5        | TR   | SOCK | 65     |                              | 0.010     | 0.004      | 1  | 0          | 0      | C  | 24708     | 23193      | 1516   |       |
| 84 | AK | 101-OUT  | GN   | SOCK | 88299  |                              | 0.610     | 0.779      | 53862  | 68785      | -14923 | A  |           |            |        |       |
| 84 | AK | 101-OUT  | SE   | SOCK | 81759  |                              | 0.400     | 0.493      | 32704  | 40307      | -7604  | A  |           |            |        |       |
| 84 | AK | 101-OUT  | TR   | SOCK | 0      |                              | 0.400     | 0.493      | 0  | 0          | 0      | A  |           |            |        |       |
| 84 | AK | 101 ANN  | GN   | SOCK | 23665  |                              | 0.400     | 0.493      | 9466   | 11667      | -2201  | A  |           |            |        |       |
| 84 | AK | 101 ANN  | SE   | SOCK | 9500   |                              | 0.400     | 0.493      | 3800   | 4684       | -884   | A  |           |            |        |       |
| 84 | AK | 101 ANN  | OG   | SOCK | 16474  |                              | 0.400     | 0.493      | 6590   | 8122       | -1532  | A  |           |            |        |       |
| 84 | AK | 101 TERM | GN   | SOCK | 0      |                              | 0.000     | 0.000      | 0  | 0          | 0      | A  |           |            |        |       |
| 84 | AK | 101 TERM | SE   | SOCK | 0      |                              | 0.000     | 0.000      | 0  | 0          | 0      | A  |           |            |        |       |

## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR | Ju | Area     | Gear | Spec | Catch   | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |           |                          | ----- INTERCEPTION ----- |     |           |            | Notes  |   |
|----|----|----------|------|------|---------|----------------|---------------|---------------------------|-----------|--------------------------|--------------------------|-----|-----------|------------|--------|---|
|    |    |          |      |      |         | Adjusted       | OTHER COUNTRY | -- FOR OTHER COUNTRY --   |           | --- CATEGORY SUMMARY --- |                          |     |           |            |        |   |
| a  | b  | c        | d    | e    | f       | Catch          | U.S. Est.     | Canhn Est.                | U.S. Est. | Canhn Est.               | Diff                     | CAT | U.S. Est. | Canhn Est. | Diff   | t |
|    |    |          |      |      |         | g              | h             | i                         | k         | l                        | m                        | o   | p         | q          | r      |   |
| 84 | AK | 101      | TERM | TR   | SOCK    | 86             | 0.000         | 0.000                     | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 102      | GN   | SOCK | 119     |                | 0.180         | 0.450                     | 21        | 54                       | -32                      | A   |           |            |        |   |
| 84 | AK | 102      | SE   | SOCK | 21417   |                | 0.180         | 0.450                     | 3855      | 9638                     | -5783                    | A   |           |            |        |   |
| 84 | AK | 102      | TR   | SOCK | 101     |                | 0.180         | 0.450                     | 18        | 45                       | -27                      | A   |           |            |        |   |
| 84 | AK | 103      | SE   | SOCK | 3379    |                | 0.730         | 0.318                     | 2467      | 1075                     | 1392                     | A   |           |            |        |   |
| 84 | AK | 103      | TR   | SOCK | 71      |                | 0.730         | 0.318                     | 52        | 23                       | 29                       | A   |           |            |        |   |
| 84 | AK | 104      | SE   | SOCK | 293668  |                | 0.730         | 0.799                     | 214378    | 234641                   | -20263                   | A   |           |            |        |   |
| 84 | AK | 104      | TR   | SOCK | 648     |                | 0.730         | 0.799                     | 473       | 518                      | -45                      | A   |           |            |        |   |
| 84 | AK | 105      | SE   | SOCK | 62      |                | 0.000         | 0.000                     | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 105      | TR   | SOCK | 58      |                | 0.000         | 0.000                     | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 106-OUT  | GN   | SOCK | 91653   |                | 0.269         | 0.269                     | 24655     | 24655                    | 0                        | A   |           |            |        |   |
| 84 | AK | 106-OUT  | SE   | SOCK | 1565    |                | 0.269         | 0.269                     | 421       | 421                      | 0                        | A   |           |            |        |   |
| 84 | AK | 106-OUT  | TR   | SOCK | 38      |                | 0.269         | 0.269                     | 10        | 10                       | 0                        | A   |           |            |        |   |
| 84 | AK | 106-44   | GN   | SOCK | 11      |                | 0.000         |                           | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 106-44   | TR   | SOCK | 0       |                | 0.000         |                           | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 107-OUT  | SE   | SOCK | 1052    |                | 0.000         |                           | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 107-OUT  | TR   | SOCK | 8       |                | 0.000         |                           | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 107-45   | GN   | SOCK | 0       |                | 0.000         |                           | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 107-45   | SE   | SOCK | 0       |                | 0.000         |                           | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 107-45   | TR   | SOCK | 0       |                | 0.000         |                           | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 108-OUT  | GN   | SOCK | 1290    |                | 0.013         | 0.013                     | 17        | 17                       | 0                        | A   |           |            |        |   |
| 84 | AK | 108-OUT  | TR   | SOCK | 0       |                | 0.013         | 0.013                     | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 108-45   | GN   | SOCK | 0       |                | 0.000         |                           | 0         | 0                        | 0                        | A   |           |            |        |   |
| 84 | AK | 152      | TR   | SOCK | 3       |                | 0.730         |                           | 2         | 0                        | 2                        | A   | 352790    | 404659     | -51869 |   |
| 85 | BC | 1        | OUT  | GN   | SOCK    | 1482           | 0.030         | 0.198                     | 44        | 293                      | -249                     | C   |           |            |        |   |
| 85 | BC | 1        | OUT  | SE   | SOCK    | 116447         | 0.030         | 0.198                     | 3493      | 23057                    | -19563                   | C   |           |            |        |   |
| 85 | BC | 1        | IN   | GN   | SOCK    | 17             | 0.000         | 0.000                     | 0         | 0                        | 0                        | C   |           |            |        |   |
| 85 | BC | 1        | IN   | SE   | SOCK    | 0              | 0.000         | 0.000                     | 0         | 0                        | 0                        | C   |           |            |        |   |
| 85 | BC | 1        | TR   | SOCK | 32969   |                | 0.030         | 0.198                     | 989       | 6528                     | -5539                    | C   |           |            |        |   |
| 85 | BC | 2E       | GN   | SOCK | 15      |                | 0.000         | 0.000                     | 0         | 0                        | 0                        | C   |           |            |        |   |
| 85 | BC | 2E       | SE   | SOCK | 203     |                | 0.000         | 0.000                     | 0         | 0                        | 0                        | C   |           |            |        |   |
| 85 | BC | 2E       | TR   | SOCK | 3717    |                | 0.000         | 0.000                     | 0         | 0                        | 0                        | C   |           |            |        |   |
| 85 | BC | 2W       | GN   | SOCK | 0       |                | 0.000         | 0.000                     | 0         | 0                        | 0                        | C   |           |            |        |   |
| 85 | BC | 2W       | SE   | SOCK | 10301   |                | 0.000         | 0.000                     | 0         | 0                        | 0                        | C   |           |            |        |   |
| 85 | BC | 2W       | TR   | SOCK | 13939   |                | 0.000         | 0.000                     | 0         | 0                        | 0                        | C   |           |            |        |   |
| 85 | BC | 3-(1)    | GN   | SOCK | 14014   |                | 0.020         | 0.087                     | 280       | 1219                     | -939                     | C   |           |            |        |   |
| 85 | BC | 3-(1)    | SE   | SOCK | 208303  |                | 0.020         | 0.087                     | 4166      | 18122                    | -13956                   | C   |           |            |        |   |
| 85 | BC | 3-(2-4)  | GN   | SOCK | 17664   |                | 0.020         | 0.034                     | 353       | 601                      | -247                     | C   |           |            |        |   |
| 85 | BC | 3-(2-4)  | SE   | SOCK | 55429   |                | 0.020         | 0.034                     | 1109      | 1885                     | -776                     | C   |           |            |        |   |
| 85 | BC | 3-(7-17) | GN   | SOCK | 166037  |                | 0.020         | 0.026                     | 3321      | 4317                     | -996                     | C   |           |            |        |   |
| 85 | BC | 3-(7-17) | SE   | SOCK | 40272   |                | 0.020         | 0.026                     | 805       | 1047                     | -242                     | C   |           |            |        |   |
| 85 | BC | 3        | TR   | SOCK | 3024    |                | 0.020         | 0.087                     | 60        | 263                      | -203                     | C   |           |            |        |   |
| 85 | BC | 4-OUT    | GN   | SOCK | 180132  |                | 0.020         | 0.043                     | 3603      | 7746                     | -4143                    | C   |           |            |        |   |
| 85 | BC | 4-OUT    | SE   | SOCK | 144702  |                | 0.020         | 0.043                     | 2894      | 6222                     | -3328                    | C   |           |            |        |   |
| 85 | BC | 4- IN    | GN   | SOCK | 1537434 |                | 0.020         | 0.000                     | 30749     | 0                        | 30749                    | C   |           |            |        |   |
| 85 | BC | 4- IN    | SE   | SOCK | 171432  |                | 0.020         | 0.000                     | 3429      | 0                        | 3429                     | C   |           |            |        |   |

## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR | Ju | Area | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |           |            | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |            |       | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |           |            |        | Notes |
|----|----|------|------|------|-------|------------------------------|-----------|------------|--|------------|-------|--|-----------|------------|--------|-------|
|    |    |      |      |      |       | Adjusted Catch               | U.S. Est. | Canth Est. | U.S. Est.  | Canth Est. | Diff  | CAT  | U.S. Est. | Canth Est. | Diff   |       |
| a  | b  | c    | d    | e    | f     | g                            | h         | i          | k  | l          | m     | o  | p         | q          | r      | t     |
| 85 | BC |      | 4    | TR   | SOCK  | 1464                         | 0.020     | 0.043      | 29   | 63         | -34   | C  |           |            |        |       |
| 85 | BC | 5    | OUT  | GN   | SOCK  | 3789                         | 0.010     | 0.004      | 38   | 15         | 23    | C  |           |            |        |       |
| 85 | BC | 5    | OUT  | SE   | SOCK  | 176                          | 0.010     | 0.004      | 2  | 1          | 1     | C  |           |            |        |       |
| 85 | BC | 5    | IN   | GN   | SOCK  | 8782                         | 0.000     | 0.000      | 0  | 0          | 0     | C  |           |            |        |       |
| 85 | BC | 5    | IN   | SE   | SOCK  | 41576                        | 0.000     | 0.000      | 0  | 0          | 0     | C  |           |            |        |       |
| 85 | BC |      | 5    | TR   | SOCK  | 1416                         | 0.010     | 0.004      | 14   | 6          | 8     | C  | 55379     | 71384      | -16005 |       |
| 85 | AK | 101  | OUT  | GN   | SOCK  | 172828                       | 0.820     | 0.821      | 141719   | 141892     | -173  | A  |           |            |        |       |
| 85 | AK | 101  | OUT  | SE   | SOCK  | 119563                       | 0.310     | 0.311      | 37065  | 37184      | -120  | A  |           |            |        |       |
| 85 | AK | 101  | OUT  | TR   | SOCK  | 223                          | 0.310     | 0.311      | 69   | 69         | -0    | A  |           |            |        |       |
| 85 | AK | 101  | ANN  | GN   | SOCK  | 50881                        | 0.310     | 0.311      | 15773  | 15824      | -51   | A  |           |            |        |       |
| 85 | AK | 101  | ANN  | SE   | SOCK  | 6073                         | 0.310     | 0.311      | 1883   | 1889       | -6    | A  |           |            |        |       |
| 85 | AK | 101  | ANN  | OG   | SOCK  | 10903                        | 0.310     | 0.311      | 3380   | 3391       | -11   | A  |           |            |        |       |
| 85 | AK | 101  | TERM | GN   | SOCK  | 1                            | 0.000     | 0.000      | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 101  | TERM | SE   | SOCK  | 1                            | 0.000     | 0.000      | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 101  | TERM | TR   | SOCK  | 0                            | 0.000     | 0.000      | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK |      | 102  | GN   | SOCK  | 5                            | 0.220     | 0.217      | 1  | 1          | 0     | A  |           |            |        |       |
| 85 | AK |      | 102  | SE   | SOCK  | 34746                        | 0.220     | 0.217      | 7644   | 7540       | 104   | A  |           |            |        |       |
| 85 | AK |      | 102  | TR   | SOCK  | 118                          | 0.220     | 0.217      | 26   | 26         | 0     | A  |           |            |        |       |
| 85 | AK |      | 103  | SE   | SOCK  | 26624                        | 0.250     | 0.255      | 6656   | 6789       | -133  | A  |           |            |        |       |
| 85 | AK |      | 103  | TR   | SOCK  | 166                          | 0.250     | 0.255      | 42   | 42         | -1    | A  |           |            |        |       |
| 85 | AK |      | 104  | SE   | SOCK  | 431575                       | 0.780     | 0.782      | 336629   | 337492     | -863  | A  |           |            |        |       |
| 85 | AK |      | 104  | TR   | SOCK  | 608                          | 0.780     | 0.782      | 474  | 475        | -1    | A  |           |            |        |       |
| 85 | AK |      | 105  | SE   | SOCK  | 2216                         | 0.000     | 0.000      | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK |      | 105  | TR   | SOCK  | 77                           | 0.000     | 0.000      | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 106  | OUT  | GN   | SOCK  | 264987                       | 0.419     | 0.419      | 111030   | 111030     | 0     | A  |           |            |        |       |
| 85 | AK | 106  | OUT  | SE   | SOCK  | 1041                         | 0.419     | 0.419      | 436  | 436        | 0     | A  |           |            |        |       |
| 85 | AK | 106  | OUT  | TR   | SOCK  | 57                           | 0.419     | 0.419      | 24   | 24         | 0     | A  |           |            |        |       |
| 85 | AK | 106  | 44   | GN   | SOCK  | 46                           | 0.000     |            | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 106  | 44   | TR   | SOCK  | 0                            | 0.000     |            | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 107  | OUT  | SE   | SOCK  | 3                            | 0.000     |            | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 107  | OUT  | TR   | SOCK  | 6                            | 0.000     |            | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 107  | 45   | GN   | SOCK  | 0                            | 0.000     |            | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 107  | 45   | SE   | SOCK  | 0                            | 0.000     |            | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 107  | 45   | TR   | SOCK  | 0                            | 0.000     |            | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 108  | OUT  | GN   | SOCK  | 1060                         | 0.000     | 0.000      | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 108  | OUT  | TR   | SOCK  | 3                            | 0.000     | 0.000      | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK | 108  | 45   | GN   | SOCK  | 6                            | 0.000     |            | 0  | 0          | 0     | A  |           |            |        |       |
| 85 | AK |      | 152  | TR   | SOCK  |                              | 0.780     |            | 0  | 0          | 0     | A  | 662849    | 664104     | -1254  |       |
| 86 | BC | 1    | OUT  | GN   | SOCK  | 379                          | 0.030     | 0.081      | 11   | 31         | -19   | C  |           |            |        |       |
| 86 | BC | 1    | OUT  | SE   | SOCK  | 29652                        | 0.030     | 0.081      | 890  | 2402       | -1512 | C  |           |            |        |       |
| 86 | BC | 1    | IN   | GN   | SOCK  | 2086                         |           | 0.000      | 0  | 0          | 0     | C  |           |            |        |       |
| 86 | BC | 1    | IN   | SE   | SOCK  | 1548                         |           | 0.000      | 0  | 0          | 0     | C  |           |            |        |       |
| 86 | BC |      | 1    | TR   | SOCK  | 21423                        | 0.030     | 0.081      | 643  | 1735       | -1093 | C  |           |            |        |       |
| 86 | BC |      | 2E   | GN   | SOCK  | 2                            |           | 0.000      | 0  | 0          | 0     | C  |           |            |        |       |
| 86 | BC |      | 2E   | SE   | SOCK  | 616                          |           | 0.000      | 0  | 0          | 0     | C  |           |            |        |       |
| 86 | BC |      | 2E   | TR   | SOCK  | 9060                         |           | 0.000      | 0  | 0          | 0     | C  |           |            |        |       |

## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                    | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                    |           | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |                   |                    |           | Notes<br>t |  |  |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|--|--------------------|-----------|--|-------------------|--------------------|-----------|------------|--|--|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r |            |  |  |
| 86      | BC      |           | 2W        | GN        | SOCK       | 736                    |                                 | 0.000              |  | 0                  | 0         | 0  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 2W        | SE        | SOCK       | 8167                   |                                 | 0.000              |  | 0                  | 0         | 0  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 2W        | TR        | SOCK       | 10651                  |                                 | 0.000              |  | 0                  | 0         | 0  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 3-(1)     | GN        | SOCK       | 28593                  |                                 | 0.020              | 0.036  | 572                | 1029      | -457   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 3-(1)     | SE        | SOCK       | 58909                  |                                 | 0.020              | 0.036  | 1178               | 2121      | -943   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 3-(2-4)   | GN        | SOCK       | 90892                  |                                 | 0.020              | 0.034  | 1818               | 3090      | -1272  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 3-(2-4)   | SE        | SOCK       | 49941                  |                                 | 0.020              | 0.034  | 999                | 1698      | -699   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 3-(7-17)  | GN        | SOCK       | 126696                 |                                 | 0.020              | 0.026  | 2534               | 3294      | -760   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 3-(7-17)  | SE        | SOCK       | 27395                  |                                 | 0.020              | 0.026  | 548                | 712       | -164   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 3         | TR        | SOCK       | 3979                   |                                 | 0.020              | 0.036  | 80                 | 143       | -64  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 4-OUT     | GN        | SOCK       | 12672                  |                                 | 0.020              | 0.043  | 253                | 545       | -291   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 4-OUT     | SE        | SOCK       | 8890                   |                                 | 0.020              | 0.043  | 178                | 382       | -204   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 4- IN     | GN        | SOCK       | 432364                 |                                 | 0.020              | 0.000  | 8647               | 0         | 8647   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 4- IN     | SE        | SOCK       | 6581                   |                                 | 0.020              | 0.000  | 132                | 0         | 132  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 4         | TR        | SOCK       | 2459                   |                                 | 0.020              | 0.043  | 49                 | 106       | -57  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 5 OUT     | GN        | SOCK       | 2124                   |                                 | 0.010              | 0.004  | 21                 | 8         | 13   | C                 |                    |           |            |  |  |
| 86      | BC      |           | 5 OUT     | SE        | SOCK       | 0                      |                                 | 0.010              | 0.004  | 0                  | 0         | 0  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 5 IN      | GN        | SOCK       | 11001                  |                                 | 0.000              | 0.000  | 0                  | 0         | 0  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 5 IN      | SE        | SOCK       | 17994                  |                                 | 0.000              | 0.000  | 0                  | 0         | 0  | C                 |                    |           |            |  |  |
| 86      | BC      |           | 5         | TR        | SOCK       | 735                    |                                 | 0.010              | 0.004  | 7                  | 3         | 4  | C                 | 18560              | 17300     | 1260       |  |  |
| 86      | AK      |           | 101-OUT   | GN        | SOCK       | 145631                 |                                 | 0.910              | 0.913  | 132524             | 132961    | -437   | A                 |                    |           |            |  |  |
| 86      | AK      |           | 101-OUT   | SE        | SOCK       | 74744                  |                                 | 0.330              | 0.328  | 24666              | 24516     | 149  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 101-OUT   | TR        | SOCK       | 54                     |                                 | 0.330              | 0.328  | 18                 | 18        | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 101 ANN   | GN        | SOCK       | 27920                  |                                 | 0.330              | 0.328  | 9214               | 9158      | 56   | A                 |                    |           |            |  |  |
| 86      | AK      |           | 101 ANN   | SE        | SOCK       | 5040                   |                                 | 0.330              | 0.328  | 1663               | 1653      | 10   | A                 |                    |           |            |  |  |
| 86      | AK      |           | 101 ANN   | OG        | SOCK       | 3068                   |                                 | 0.330              | 0.328  | 1012               | 1006      | 6  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 101 TERM  | GN        | SOCK       | 8                      |                                 | 0.000              | 0.000  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 101 TERM  | SE        | SOCK       | 1                      |                                 | 0.000              | 0.000  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 101 TERM  | TR        | SOCK       | 0                      |                                 | 0.000              | 0.000  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 102       | GN        | SOCK       | 37                     |                                 | 0.260              | 0.328  | 10                 | 12        | -3   | A                 |                    |           |            |  |  |
| 86      | AK      |           | 102       | SE        | SOCK       | 32684                  |                                 | 0.260              | 0.266  | 8498               | 8694      | -196   | A                 |                    |           |            |  |  |
| 86      | AK      |           | 102       | TR        | SOCK       | 32                     |                                 | 0.260              | 0.266  | 8                  | 9         | -0   | A                 |                    |           |            |  |  |
| 86      | AK      |           | 103       | SE        | SOCK       | 13571                  |                                 | 0.280              | 0.278  | 3800               | 3773      | 27   | A                 |                    |           |            |  |  |
| 86      | AK      |           | 103       | TR        | SOCK       | 142                    |                                 | 0.280              | 0.278  | 40                 | 39        | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 104       | SE        | SOCK       | 443990                 |                                 | 0.770              | 0.773  | 341872             | 343204    | -1332  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 104       | TR        | SOCK       | 626                    |                                 | 0.770              | 0.773  | 482                | 484       | -2   | A                 |                    |           |            |  |  |
| 86      | AK      |           | 105       | SE        | SOCK       | 435                    |                                 | 0.000              | 0.000  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 105       | TR        | SOCK       | 100                    |                                 | 0.000              | 0.000  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 106-OUT   | GN        | SOCK       | 145709                 |                                 | 0.293              | 0.293  | 42693              | 42693     | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 106-OUT   | SE        | SOCK       | 1541                   |                                 | 0.293              | 0.293  | 452                | 452       | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 106-OUT   | TR        | SOCK       | 36                     |                                 | 0.293              | 0.293  | 11                 | 11        | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 106-44    | GN        | SOCK       | 5                      |                                 |                    |  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 106-44    | TR        | SOCK       | 0                      |                                 |                    |  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 107-OUT   | SE        | SOCK       | 1276                   |                                 |                    |  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 107-OUT   | TR        | SOCK       | 9                      |                                 |                    |  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |
| 86      | AK      |           | 107-45    | GN        | SOCK       | 0                      |                                 |                    |  | 0                  | 0         | 0  | A                 |                    |           |            |  |  |

## U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                    | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                    |           | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |                   |                    |           | Notes<br>t |  |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|---|--------------------|-----------|--|-------------------|--------------------|-----------|------------|--|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r |            |  |
| 86      | AK      | 107-45    | SE        | SOCK      | 0          |                        |                                 |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |  |
| 86      | AK      | 107-45    | TR        | SOCK      | 0          |                        |                                 |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |  |
| 86      | AK      | 108-OUT   | GN        | SOCK      | 4185       |                        | 0.017                           | 0.017              | 71  | 71                 | 0         | A  |                   |                    |           |            |  |
| 86      | AK      | 108-OUT   | TR        | SOCK      | 1          |                        | 0.017                           | 0.017              | 0   | 0                  | 0         | A  |                   |                    |           |            |  |
| 86      | AK      | 108-45    | GN        | SOCK      | 2          |                        |                                 |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |  |
| 86      | AK      | 152       | TR        | SOCK      | 0          |                        | 0.770                           |                    | 0   | 0                  | 0         | A  | 567032            | 568753             | -1720     |            |  |
| 87      | BC      | 1 OUT     | GN        | SOCK      | 1404       |                        | 0.030                           | 0.102              | 42  | 143                | -101      | C  |                   |                    |           |            |  |
| 87      | BC      | 1 OUT     | SE        | SOCK      | 33433      |                        | 0.030                           | 0.102              | 1003  | 3410               | -2407     | C  |                   |                    |           |            |  |
| 87      | BC      | 1 IN      | GN        | SOCK      | 0          |                        |                                 | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 1 IN      | SE        | SOCK      | 0          |                        |                                 | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 1         | TR        | SOCK      | 45451      |                        | 0.030                           | 0.102              | 1364  | 4636               | -3272     | C  |                   |                    |           |            |  |
| 87      | BC      | 2E        | GN        | SOCK      | 89         |                        |                                 | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 2E        | SE        | SOCK      | 12         |                        |                                 | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 2E        | TR        | SOCK      | 7925       |                        |                                 | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 2W        | GN        | SOCK      | 0          |                        |                                 | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 2W        | SE        | SOCK      | 94         |                        |                                 | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 2W        | TR        | SOCK      | 75657      |                        |                                 | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 3-(1)     | GN        | SOCK      | 19985      |                        | 0.020                           | 0.039              | 400   | 779                | -380      | C  |                   |                    |           |            |  |
| 87      | BC      | 3-(1)     | SE        | SOCK      | 60932      |                        | 0.020                           | 0.039              | 1219  | 2376               | -1158     | C  |                   |                    |           |            |  |
| 87      | BC      | 3-(2-4)   | GN        | SOCK      | 48006      |                        | 0.020                           | 0.034              | 960   | 1632               | -672      | C  |                   |                    |           |            |  |
| 87      | BC      | 3-(2-4)   | SE        | SOCK      | 107342     |                        | 0.020                           | 0.034              | 2147  | 3650               | -1503     | C  |                   |                    |           |            |  |
| 87      | BC      | 3-(7-17)  | GN        | SOCK      | 137839     |                        | 0.020                           | 0.026              | 2757  | 3584               | -827      | C  |                   |                    |           |            |  |
| 87      | BC      | 3-(7-17)  | SE        | SOCK      | 79441      |                        | 0.020                           | 0.026              | 1589  | 2065               | -477      | C  |                   |                    |           |            |  |
| 87      | BC      | 3         | TR        | SOCK      | 5598       |                        | 0.020                           | 0.039              | 112   | 218                | -106      | C  |                   |                    |           |            |  |
| 87      | BC      | 4-OUT     | GN        | SOCK      | 15948      |                        | 0.020                           | 0.040              | 319   | 638                | -319      | C  |                   |                    |           |            |  |
| 87      | BC      | 4-OUT     | SE        | SOCK      | 18866      |                        | 0.020                           | 0.040              | 377   | 755                | -377      | C  |                   |                    |           |            |  |
| 87      | BC      | 4- IN     | GN        | SOCK      | 455646     |                        | 0.020                           | 0.000              | 9113  | 0                  | 9113      | C  |                   |                    |           |            |  |
| 87      | BC      | 4- IN     | SE        | SOCK      | 26214      |                        | 0.020                           | 0.000              | 524   | 0                  | 524       | C  |                   |                    |           |            |  |
| 87      | BC      | 4         | TR        | SOCK      | 3208       |                        | 0.020                           | 0.043              | 64  | 138                | -74       | C  |                   |                    |           |            |  |
| 87      | BC      | 5 OUT     | GN        | SOCK      | 4012       |                        | 0.010                           | 0.004              | 40  | 16                 | 24        | C  |                   |                    |           |            |  |
| 87      | BC      | 5 OUT     | SE        | SOCK      | 207        |                        | 0.010                           | 0.004              | 2   | 1                  | 1         | C  |                   |                    |           |            |  |
| 87      | BC      | 5 IN      | GN        | SOCK      | 10534      |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 5 IN      | SE        | SOCK      | 24928      |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |  |
| 87      | BC      | 5         | TR        | SOCK      | 53         |                        | 0.010                           | 0.004              | 1   | 0                  | 0         | C  | 22032             | 24042              | -2010     |            |  |
| 87      | AK      | 101-OUT   | GN        | SOCK      | 107488     |                        | 0.770                           | 0.767              | 82766   | 82443              | 322       | A  |                   |                    |           |            |  |
| 87      | AK      | 101-OUT   | SE        | SOCK      | 43305      |                        | 0.310                           | 0.306              | 13425   | 13251              | 173       | A  |                   |                    |           |            |  |
| 87      | AK      | 101-OUT   | TR        | SOCK      | 171        |                        | 0.310                           | 0.306              | 53  | 52                 | 1         | A  |                   |                    |           |            |  |
| 87      | AK      | 101 ANN   | GN        | SOCK      | 47412      |                        | 0.310                           | 0.306              | 14698   | 14508              | 190       | A  |                   |                    |           |            |  |
| 87      | AK      | 101 ANN   | SE        | SOCK      | 618        |                        | 0.310                           | 0.306              | 192   | 189                | 2         | A  |                   |                    |           |            |  |
| 87      | AK      | 101 ANN   | OG        | SOCK      | 6098       |                        | 0.310                           | 0.306              | 1890  | 1866               | 24        | A  |                   |                    |           |            |  |
| 87      | AK      | 101 TERM  | GN        | SOCK      | 92         |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | A  |                   |                    |           |            |  |
| 87      | AK      | 101 TERM  | SE        | SOCK      | 24         |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | A  |                   |                    |           |            |  |
| 87      | AK      | 101 TERM  | TR        | SOCK      | 0          |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | A  |                   |                    |           |            |  |
| 87      | AK      | 102       | GN        | SOCK      | 0          |                        | 0.060                           | 0.062              | 0   | 0                  | 0         | A  |                   |                    |           |            |  |
| 87      | AK      | 102       | SE        | SOCK      | 17476      |                        | 0.060                           | 0.062              | 1049  | 1084               | -35       | A  |                   |                    |           |            |  |
| 87      | AK      | 102       | TR        | SOCK      | 184        |                        | 0.060                           | 0.062              | 11  | 11                 | -0        | A  |                   |                    |           |            |  |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY SOCKEYE INTERCEPTIONS 1980-88

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|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|------------------|--|------------------|-----------|--|-------------------|------------------|-----------|------------|--|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Can<br>Est.<br>q | Diff<br>r |            |  |
| 87      | AK      |           | 103       | SE        | SOCK       | 1581                   | 0.020                           | 0.023            | 32   | 36               | -5        | A  |                   |                  |           |            |  |
| 87      | AK      |           | 103       | TR        | SOCK       | 133                    | 0.020                           | 0.023            | 3  | 3                | -0        | A  |                   |                  |           |            |  |
| 87      | AK      |           | 104       | SE        | SOCK       | 171214                 | 0.600                           | 0.599            | 102728   | 102557           | 171       | A  |                   |                  |           |            |  |
| 87      | AK      |           | 104       | TR        | SOCK       | 1296                   | 0.600                           | 0.599            | 778  | 776              | 1         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 105       | SE        | SOCK       | 1                      | 0.000                           | 0.000            | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 105       | TR        | SOCK       | 107                    | 0.000                           | 0.000            | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 106-OUT   | GN        | SOCK       | 136427                 | 0.155                           | 0.155            | 21146  | 21146            | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 106-OUT   | SE        | SOCK       | 0                      | 0.155                           | 0.155            | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 106-OUT   | TR        | SOCK       | 66                     | 0.155                           | 0.155            | 10   | 10               | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 106-44    | GN        | SOCK       | 10                     | 0.000                           |                  | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 106-44    | TR        | SOCK       | 0                      | 0.000                           |                  | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 107-OUT   | SE        | SOCK       | 0                      | 0.000                           |                  | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 107-OUT   | TR        | SOCK       | 47                     | 0.000                           |                  | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 107-45    | GN        | SOCK       | 0                      | 0.000                           |                  | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 107-45    | SE        | SOCK       | 0                      | 0.000                           |                  | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 107-45    | TR        | SOCK       | 0                      | 0.000                           |                  | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 108-OUT   | GN        | SOCK       | 1620                   | 0.000                           | 0.000            | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 108-OUT   | TR        | SOCK       | 15                     | 0.000                           | 0.000            | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 108-45    | GN        | SOCK       | 0                      |                                 |                  | 0  | 0                | 0         | A  |                   |                  |           |            |  |
| 87      | AK      |           | 152       | TR        | SOCK       | 0                      | 0.600                           |                  | 0  | 0                | 0         | A  | 238779            | 237934           | 845       |            |  |
| 88      | BC      |           | 1 OUT     | GN        | SOCK       | 0                      | 0.030                           | 0.102            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 1 OUT     | SE        | SOCK       | 52306                  | 0.030                           | 0.102            | 1569   | 5335             | -3766     | C  |                   |                  |           |            |  |
| 88      | BC      |           | 1 IN      | GN        | SOCK       | 0                      | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 1 IN      | SE        | SOCK       | 7                      | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 1         | TR        | SOCK       | 51929                  | 0.030                           | 0.102            | 1558   | 5297             | -3739     | C  |                   |                  |           |            |  |
| 88      | BC      |           | 2E        | GN        | SOCK       | 2                      | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 2E        | SE        | SOCK       | 179                    | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 2E        | TR        | SOCK       | 616                    | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 2W        | GN        | SOCK       | 4                      | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 2W        | SE        | SOCK       | 2971                   | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 2W        | TR        | SOCK       | 1879                   | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 3-(1)     | GN        | SOCK       | 29112                  | 0.020                           | 0.039            | 582  | 1135             | -553      | C  |                   |                  |           |            |  |
| 88      | BC      |           | 3-(1)     | SE        | SOCK       | 215877                 | 0.020                           | 0.039            | 4318   | 8419             | -4102     | C  |                   |                  |           |            |  |
| 88      | BC      |           | 3-(2-4)   | GN        | SOCK       | 7342                   | 0.020                           | 0.034            | 147  | 250              | -103      | C  |                   |                  |           |            |  |
| 88      | BC      |           | 3-(2-4)   | SE        | SOCK       | 24412                  | 0.020                           | 0.034            | 488  | 830              | -342      | C  |                   |                  |           |            |  |
| 88      | BC      |           | 3-(7-17)  | GN        | SOCK       | 16387                  | 0.020                           | 0.026            | 328  | 426              | -98       | C  |                   |                  |           |            |  |
| 88      | BC      |           | 3-(7-17)  | SE        | SOCK       | 10557                  | 0.020                           | 0.026            | 211  | 274              | -63       | C  |                   |                  |           |            |  |
| 88      | BC      |           | 3         | TR        | SOCK       | 11176                  | 0.020                           | 0.039            | 224  | 436              | -212      | C  |                   |                  |           |            |  |
| 88      | BC      |           | 4-OUT     | GN        | SOCK       | 37850                  | 0.020                           | 0.040            | 757  | 1514             | -757      | C  |                   |                  |           |            |  |
| 88      | BC      |           | 4-OUT     | SE        | SOCK       | 18230                  | 0.020                           | 0.040            | 365  | 729              | -365      | C  |                   |                  |           |            |  |
| 88      | BC      |           | 4- IN     | GN        | SOCK       | 1375082                | 0.020                           | 0.000            | 27502  | 0                | 27502     | C  |                   |                  |           |            |  |
| 88      | BC      |           | 4- IN     | SE        | SOCK       | 81849                  | 0.020                           | 0.000            | 1637   | 0                | 1637      | C  |                   |                  |           |            |  |
| 88      | BC      |           | 4         | TR        | SOCK       | 1710                   | 0.020                           | 0.043            | 34   | 74               | -39       | C  |                   |                  |           |            |  |
| 88      | BC      |           | 5 OUT     | GN        | SOCK       | 2444                   | 0.010                           | 0.004            | 24   | 10               | 15        | C  |                   |                  |           |            |  |
| 88      | BC      |           | 5 OUT     | SE        | SOCK       | 578                    | 0.010                           | 0.004            | 6  | 2                | 3         | C  |                   |                  |           |            |  |
| 88      | BC      |           | 5 IN      | GN        | SOCK       | 8392                   | 0.000                           | 0.000            | 0  | 0                | 0         | C  |                   |                  |           |            |  |

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|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|---|--------------------|-----------|--|-------------------|--------------------|-----------|------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r |            |
| 88      | BC      | 5         | OUT       | SE        | SOCK       | 578                    | 0.010                           | 0.004              | 6   | 2                  | 3         | C  |                   |                    |           |            |
| 88      | BC      | 5         | IN        | GN        | SOCK       | 8392                   | 0.000                           | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |
| 88      | BC      | 5         | IN        | SE        | SOCK       | 28961                  | 0.000                           | 0.000              | 0   | 0                  | 0         | C  |                   |                    |           |            |
| 88      | BC      | 5         | TR        | SOCK      | 387        |                        | 0.010                           | 0.004              | 4   | 2                  | 2         | C  | 39753             | 24733              | 15020     |            |
| 88      | AK      | 101-OUT   | GN        | SOCK      | 116110     |                        | 0.870                           | 0.873              | 101016  | 101364             | -348      | A  |                   |                    |           |            |
| 88      | AK      | 101-OUT   | SE        | SOCK      | 31126      |                        | 0.590                           | 0.589              | 18364   | 18333              | 31        | A  |                   |                    |           |            |
| 88      | AK      | 101-OUT   | TR        | SOCK      | 130        |                        | 0.590                           | 0.589              | 77  | 77                 | 0         | A  |                   |                    |           |            |
| 88      | AK      | 101 ANN   | GN        | SOCK      | 26555      |                        | 0.590                           | 0.589              | 15667   | 15641              | 27        | A  |                   |                    |           |            |
| 88      | AK      | 101 ANN   | SE        | SOCK      | 2373       |                        | 0.590                           | 0.589              | 1400  | 1398               | 2         | A  |                   |                    |           |            |
| 88      | AK      | 101 ANN   | OG        | SOCK      | 2051       |                        | 0.590                           | 0.589              | 1210  | 1208               | 2         | A  |                   |                    |           |            |
| 88      | AK      | 101 TERM  | GN        | SOCK      | 130        |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 101 TERM  | SE        | SOCK      | 1559       |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 101 TERM  | TR        | SOCK      | 0          |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 102       | GN        | SOCK      | 170        |                        | 0.300                           | 0.301              | 51  | 51                 | -0        | A  |                   |                    |           |            |
| 88      | AK      | 102       | SE        | SOCK      | 14798      |                        | 0.300                           | 0.301              | 4439  | 4454               | -15       | A  |                   |                    |           |            |
| 88      | AK      | 102       | TR        | SOCK      | 103        |                        | 0.300                           | 0.301              | 31  | 31                 | -0        | A  |                   |                    |           |            |
| 88      | AK      | 103       | SE        | SOCK      | 2383       |                        | 0.670                           | 0.668              | 1597  | 1592               | 5         | A  |                   |                    |           |            |
| 88      | AK      | 103       | TR        | SOCK      | 113        |                        | 0.670                           | 0.668              | 76  | 75                 | 0         | A  |                   |                    |           |            |
| 88      | AK      | 104       | SE        | SOCK      | 591038     |                        | 0.820                           | 0.824              | 484651  | 487015             | -2364     | A  |                   |                    |           |            |
| 88      | AK      | 104       | TR        | SOCK      | 2490       |                        | 0.820                           | 0.824              | 2042  | 2052               | -10       | A  |                   |                    |           |            |
| 88      | AK      | 105       | SE        | SOCK      | 255        |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 105       | TR        | SOCK      | 144        |                        | 0.000                           | 0.000              | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 106-OUT   | GN        | SOCK      | 92529      |                        | 0.106                           | 0.106              | 9808  | 9808               | 0         | A  |                   |                    |           |            |
| 88      | AK      | 106-OUT   | SE        | SOCK      | 0          |                        | 0.106                           | 0.106              | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 106-OUT   | TR        | SOCK      | 93         |                        | 0.106                           | 0.106              | 10  | 10                 | 0         | A  |                   |                    |           |            |
| 88      | AK      | 106-44    | GN        | SOCK      | 3          |                        | 0.000                           |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 106-44    | TR        | SOCK      | 0          |                        | 0.000                           |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 107-OUT   | SE        | SOCK      | 0          |                        | 0.000                           |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 107-OUT   | TR        | SOCK      | 10         |                        | 0.000                           |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 107-45    | GN        | SOCK      | 0          |                        | 0.000                           |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 107-45    | SE        | SOCK      | 0          |                        | 0.000                           |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 107-45    | TR        | SOCK      | 0          |                        | 0.000                           |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 108-OUT   | GN        | SOCK      | 1246       |                        | 0.039                           | 0.039              | 49  | 49                 | 0         | A  |                   |                    |           |            |
| 88      | AK      | 108-OUT   | TR        | SOCK      | 0          |                        | 0.039                           | 0.039              | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 108-45    | GN        | SOCK      | 0          |                        | 0.000                           |                    | 0   | 0                  | 0         | A  |                   |                    |           |            |
| 88      | AK      | 152       | TR        | SOCK      | 0          |                        | 0.780                           |                    | 0   | 0                  | 0         | A  | 640487            | 643158             | -2670     |            |

## UNITED STATES NORTHERN BOUNDARY NOTES - SOCKEYE SALMON

### Catches:

Catches from Alaskan commercial fisheries for all species are taken from ADF&G's RUNTIME catch database, updated as of October, 1989. Catch strata include all south Southeast Alaska fishery districts (101 through 108) for each applicable gear type plus the District 152 troll fishery.

### Strata Definitions for Specific Alaskan Areas:

- 101-OUT GN,SE,TR Excludes "terminal area" catches in hatchery special harvest areas (Naket Inlet SHA - 101-10 and Neets Bay SHA - 101-95).
- 101 ANN GN,SE,OG Catches in the Annette Island Fishery Reserve (Districts 101-24, 26, 28, and 42).
- 101 TERM GN,SE,TR Catches in the special harvest areas (Naket Inlet SHA - 101-10 and Neets Bay SHA - 101-95).
- 106-OUT GN,SE,TR Excludes catches in Wrangell Narrows adjacent to Crystal Lake Hatchery (106-44).
- 106-44 GN,TR Catches in Wrangell Narrows adjacent to the Crystal Lake Hatchery.
- 107-OUT SE,TR Excludes catches in the Earl West Cove special harvest area (107-45).
- 107-45 GN,SE,TR Catches in the Earl West Cove special harvest area.
- 108-OUT GN,TR Excludes catches in Blind Slough (108-45).
- 108-45 GN,TR Catches in Blind Slough.

### Interceptions:

Interception rates in 'outside' areas of Alaska Districts 101 through 104, 106 and 108 are based on annual analyses of scale patterns from 1982 through 1988 (1985 to 1988 for District 108) (Oliver and Farrington 1989), and on the average of these interception rates for years where no annual estimates are available. Annette Island Fisheries Reserve interception rates are assumed to be the same as in the surrounding District 101 purse seine fishery. Alaskan troll fishery interception rates are assumed to be the same as in the corresponding purse seine fishery. The Alaska Districts 105 and 107 purse seine fisheries only open when concentrations of local chum and pink salmon are present, few sockeye salmon are taken, and none are assumed to be of Canadian origin. Terminal area fisheries and special Alaska harvest area fisheries (near hatcheries or remote release sites in districts 106-44, 107-45, and 108-45) are assumed to intercept no Canadian sockeye salmon.

### References:

Oliver, G.T. and C.W. Farrington. 1989. Contribution of Alaskan, Canadian, and Transboundary sockeye stocks to catches in Southeast Alaska purse seine and gill net fisheries, Districts 101-108, 1988, based on analysis of scale patterns. Alaska Dept. of Fish and Game, Division of Commercial Fisheries, Regional Information Report No.1J89-45, Juneau, Alaska

## CANADIAN NORTHERN BOUNDARY NOTES - SOCKEYE SALMON

### Catches:

B.C. Commercial catches of chum represent sales slip data from publications of B.C. Catch Statistics (CDFO 1980-1987). The 1988 data is preliminary sales slip data. Areas 3, 4 and 5 have been partitioned into outside and inside catches using sales slip data to prorate inseason sub-area hail data. Area 3 catch data is separated into sub-areas 3(-1), 3(2-4) and 3(7-17) and Area 5 outer sub-areas, 5(-10,-11,-12) are separated from inside sub-areas for all years, 1980-1988. Area 4 outer sub-areas, 4(-1,-2,-3,-13) are separated from the rest of Area 4 for years 1984-1988. (Area 4 hail data was not collected by sub-area prior to 1984). Area 1 is partitioned into outside and inside catches for 1984-1988. No terminal fisheries were conducted in Area 1 during the period 1980-1983.

U.S. catch statistics were provided by the ADF&G. U.S. catch strata were also subdivided into outside and terminal catch areas.

### Interceptions:

Estimates of contributions of Canadian sockeye stocks (excluding Stikine River sockeye) to southern southeast Alaska fisheries are based on 1982 and 1983 results from the joint North Coast Salmon Tagging Project (Gazey *et al.*, 1983, 1989 draft, and English *et al.*, draft 1989), and 1982, 1983, 1985-1988 results from ADFG scale pattern analyses (SPA) (Oliver *et al.* 1984, Oliver and Jensen 1986, Oliver 1988, Oliver and Farrington, September 1989). Estimates from these sources were averaged to estimate interception rates for Districts and years not covered by the studies. Otherwise, actual estimates were used (tagging and SPA results were averaged for Districts and years when both sources were available).

Estimates of Stikine sockeye interceptions in Districts 106 and 108 (Category B1) are reported by the Transboundary Technical Committee.

Estimates of U.S. sockeye contributions to B.C. fisheries are based on 1982 and 1983 results from the joint North Coast Salmon Tagging Project (English *et al.* 1985a, 1985c; Gazey *et al.* 1983, 1989 draft), and 1984 to 1986 results from Canadian electrophoretic, scale (freshwater age) and parasite sampling (ESP) (C. Wood, CDFO, pers.comm.). Estimates from these sources were averaged to estimate interception rates for areas and years not covered by the studies. Otherwise, actual estimates were used (tagging and ESP results were averaged for areas and years when both sources were available). Catch of Stikine sockeye in Canadian ocean fisheries was assumed to be negligible.

For certain fisheries, no interception estimates were available. Where appropriate, interception estimates from similar fisheries were applied, otherwise the interception rate was left blank. Some examples follow: neither the international tagging program nor electrophoretic analysis provided estimates of interception for Area 1 troll, therefore, the Area 1 net interception rates (derived from the average of both methods) were applied. The interception rate for Area 1 was applied to outside Area 1 catch, while the inside interceptions were assumed to be zero. For Area 4, the interception rates calculated from tagging and electrophoretic analysis were based on data obtained from the outer portion of Area 4. For the years 1984-1988, when catch data for both outside and inside Area 4 are available, this rate is applied to the outside catch and zero interceptions are assumed for more terminal, inside catches. For the years 1980-1983, when only total Area 4 catch is available, the rate was increased to .990 (from .960) and applied to the total Area 4 catch. Similarly, the outer Area 5 tagging rate was applied to outside sockeye catches and the inside rate was assumed to be zero.

New catch strata for which there were no interception rates included:

Canadian fisheries - Area 2E gillnet, seine and troll and 2W gillnet, seine and troll. Interceptions in these fisheries were assumed to be zero. For troll strata in Areas 3, 4 and 5, the interception rate for outside net areas was applied.

Alaskan fisheries - For District 101-outside troll, we applied the District 101-outside seine rate. For all District 101 Annette Island fisheries (gillnet, seine, other), the District 101-outside seine rate was applied. For all District 101 terminal fisheries (gillnet, seine and troll), interceptions were assumed to be zero. For District 102 gillnet and troll, the District 102 seine rate was applied. Districts 103 and 104 seine rates were utilized for the troll fisheries in these strata. District 105 was assumed to have zero interceptions. The following strata were left blank: Districts 106-44, 107-out, 107-45, 108-45 and 152 troll (interceptions to be determined).

## References:

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**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY PINK**

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area       | Gear | Spec | Catch   | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |        |        | ----- INTERCEPTION ----- |      |         | Notes  |        |      |
|----|----|------------|------|------|---------|----------------|---------------|---------------------------|--------|--------|--------------------------|------|---------|--------|--------|------|
|    |    |            |      |      |         | Adjusted       | OTHER COUNTRY | U.S.                      | Canchn | U.S.   | Canchn                   | Diff | U.S.    |        | Canchn | Diff |
| a  | b  | c          | d    | e    | f       | g              | h             | i                         | k      | l      | m                        | o    | p       | q      | r      | t    |
| 80 | BC | 1-OUT      | GN   | PINK | 7475    |                | 0.51          | 0.680                     | 3812   | 5083   | -1271                    | C    |         |        |        |      |
| 80 | BC | 1-OUT      | SE   | PINK | 98261   |                | 0.51          | 0.680                     | 50113  | 66817  | -16704                   | C    |         |        |        |      |
| 80 | BC | 1- IN      | GN   | PINK | 0       |                | 0.51          | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 1- IN      | SE   | PINK | 0       |                | 0.51          | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 101-4      | TR   | PINK | 169295  |                | 0.72          | 0.924                     | 121892 | 156429 | -34536                   | C    |         |        |        |      |
| 80 | BC | 101-7      | TR   | PINK | 501440  |                | 0.72          | 0.342                     | 361037 | 171492 | 189544                   | C    |         |        |        |      |
| 80 | BC | 101-OTHER  | TR   | PINK | 50911   |                | 0.72          | 0.640                     | 36656  | 32583  | 4073                     | C    |         |        |        |      |
| 80 | BC | 2E         | GN   | PINK | 200     |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 2E         | SE   | PINK | 803     |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 2E         | TR   | PINK | 33261   |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 2W         | GN   | PINK | 2138    |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 2W         | SE   | PINK | 77195   |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 2W         | TR   | PINK | 41307   |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 3-(1)      | GN   | PINK | 27005   |                | 0.45          | 0.449                     | 12152  | 12125  | 27                       | C    |         |        |        |      |
| 80 | BC | 3-(1)      | SE   | PINK | 44605   |                | 0.45          | 0.449                     | 20072  | 20028  | 45                       | C    |         |        |        |      |
| 80 | BC | 3-(2-4)    | GN   | PINK | 46954   |                | 0.45          | 0.531                     | 21129  | 24933  | -3803                    | C    |         |        |        |      |
| 80 | BC | 3-(2-4)    | SE   | PINK | 391281  |                | 0.45          | 0.531                     | 176076 | 207770 | -31694                   | C    |         |        |        |      |
| 80 | BC | 3-(7-17)   | GN   | PINK | 66200   |                | 0.59          | 0.444                     | 39058  | 29393  | 9665                     | C    |         |        |        |      |
| 80 | BC | 3-(7-17)   | SE   | PINK | 278946  |                | 0.59          | 0.444                     | 164578 | 123852 | 40726                    | C    |         |        |        |      |
| 80 | BC | 3          | TR   | PINK | 69208   |                | 0.45          | 0.449                     | 31144  | 31074  | 69                       | C    |         |        |        |      |
| 80 | BC | 4          | GN   | PINK | 161436  |                | 0.24          | 0.030                     | 38745  | 4843   | 33902                    | C    |         |        |        |      |
| 80 | BC | 4          | SE   | PINK | 12345   |                | 0.24          | 0.148                     | 2963   | 1827   | 1136                     | C    |         |        |        |      |
| 80 | BC | no outside | GN   | PINK |         |                | 0.24          | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | no outside | SE   | PINK |         |                | 0.24          | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 4          | TR   | PINK | 10332   |                | 0.24          | 0.148                     | 2480   | 1529   | 951                      | C    |         |        |        |      |
| 80 | BC | 5 OUT      | GN   | PINK | 75575   |                | 0.19          | 0.251                     | 14359  | 18969  | -4610                    | C    |         |        |        |      |
| 80 | BC | 5 OUT      | SE   | PINK | 347589  |                | 0.19          | 0.251                     | 66042  | 87245  | -21203                   | C    |         |        |        |      |
| 80 | BC | 5 IN       | GN   | PINK | 25567   |                | 0.00          | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 5 IN       | SE   | PINK | 21918   |                | 0.00          | 0.000                     | 0      | 0      | 0                        | C    |         |        |        |      |
| 80 | BC | 5          | TR   | PINK | 9477    |                | 0.19          | 0.251                     | 1801   | 2379   | -578                     | C    | 1164109 | 998372 | 165738 |      |
| 80 | AK | 101-OUT    | GN   | PINK | 675466  |                | 0.08          | 0.226                     | 54037  | 152655 | -98618                   | A    |         |        |        |      |
| 80 | AK | 101-OUT    | SE   | PINK | 3847389 |                | 0.08          | 0.035                     | 307791 | 134659 | 173133                   | A    |         |        |        |      |
| 80 | AK | 101-OUT    | TR   | PINK | 23409   |                | 0.08          | 0.035                     | 1873   | 819    | 1053                     | A    |         |        |        |      |
| 80 | AK | 101 ANN    | GN   | PINK | 191463  |                | 0.08          | 0.035                     | 15317  | 6701   | 8616                     | A    |         |        |        |      |
| 80 | AK | 101 ANN    | SE   | PINK | 464336  |                | 0.08          | 0.035                     | 37147  | 16252  | 20895                    | A    |         |        |        |      |
| 80 | AK | 101 ANN    | OG   | PINK | 449292  |                | 0.10          | 0.035                     | 44929  | 15725  | 29204                    | A    |         |        |        |      |
| 80 | AK | 101 TERM   | GN   | PINK | 0       |                | 0.00          | 0.035                     | 0      | 0      | 0                        | A    |         |        |        |      |
| 80 | AK | 101 TERM   | SE   | PINK | 0       |                | 0.00          | 0.035                     | 0      | 0      | 0                        | A    |         |        |        |      |
| 80 | AK | 101 TERM   | TR   | PINK | 0       |                | 0.00          | 0.035                     | 0      | 0      | 0                        | A    |         |        |        |      |
| 80 | AK | 102        | GN   | PINK | 0       |                | 0.03          | 0.030                     | 0      | 0      | 0                        | A    |         |        |        |      |
| 80 | AK | 102        | SE   | PINK | 1707340 |                | 0.03          | 0.030                     | 51220  | 51220  | 0                        | A    |         |        |        |      |
| 80 | AK | 102        | TR   | PINK | 21651   |                | 0.03          | 0.030                     | 650    | 650    | 0                        | A    |         |        |        |      |
| 80 | AK | 103        | SE   | PINK | 2998889 |                | 0.00          | 0.015                     | 0      | 44983  | -44983                   | A    |         |        |        |      |
| 80 | AK | 103        | TR   | PINK | 21199   |                | 0.00          | 0.015                     | 0      | 318    | -318                     | A    |         |        |        |      |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area      | Gear | Spec | Catch   | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |        |        | ----- INTERCEPTION ----- |      |        | Notes  |       |      |
|----|----|-----------|------|------|---------|----------------|---------------|---------------------------|--------|--------|--------------------------|------|--------|--------|-------|------|
|    |    |           |      |      |         | Adjusted       | OTHER COUNTRY | U.S.                      | Can    | U.S.   | Can                      | Diff | U.S.   |        | Can   | Diff |
| a  | b  | c         | d    | e    | f       | g              | h             | i                         | k      | l      | m                        | o    | p      | q      | r     | t    |
| 80 | AK | 104       | SE   | PINK | 2358357 |                | 0.07          | 0.083                     | 165085 | 195744 | -30659                   | A    |        |        |       |      |
| 80 | AK | 104       | TR   | PINK | 10272   |                | 0.07          | 0.083                     | 719    | 853    | -134                     | A    |        |        |       |      |
| 80 | AK | 105       | SE   | PINK | 39032   |                | 0.00          | 0.000                     | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 105       | TR   | PINK | 3987    |                | 0.00          | 0.000                     | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 106-OUT   | GN   | PINK | 45560   |                | 0.03          | 0.015                     | 1367   | 683    | 683                      | A    |        |        |       |      |
| 80 | AK | 106-OUT   | SE   | PINK | 0       |                | 0.03          | 0.015                     | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 106-OUT   | TR   | PINK | 3404    |                | 0.03          | 0.015                     | 102    | 51     | 51                       | A    |        |        |       |      |
| 80 | AK | 106-44    | GN   | PINK | 0       |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 106-44    | TR   | PINK | 0       |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 107-OUT   | SE   | PINK | 0       |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 107-OUT   | TR   | PINK | 4126    |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 107-45    | GN   | PINK | 0       |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 107-45    | SE   | PINK | 0       |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 107-45    | TR   | PINK | 0       |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 108-OUT   | GN   | PINK | 7224    |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 108-OUT   | TR   | PINK | 133     |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 108-45    | GN   | PINK | 0       |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 108-45    | TR   | PINK | 0       |                | 0.00          |                           | 0      | 0      | 0                        | A    |        |        |       |      |
| 80 | AK | 152       | TR   | PINK | 31996   |                | 0.07          |                           | 2240   | 0      | 2240                     | A    | 682477 | 621313 | 61163 |      |
| 81 | BC | 1-OUT     | GN   | PINK | 14131   |                | 0.51          | 0.361                     | 7207   | 5101   | 2106                     | C    |        |        |       |      |
| 81 | BC | 1-OUT     | SE   | PINK | 263961  |                | 0.51          | 0.361                     | 134620 | 95290  | 39330                    | C    |        |        |       |      |
| 81 | BC | 1- IN     | GN   | PINK | 0       |                | 0.51          | 0.000                     | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 1- IN     | SE   | PINK | 0       |                | 0.51          | 0.000                     | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 101-4     | TR   | PINK | 61948   |                | 0.72          | 0.900                     | 44603  | 55753  | -11151                   | C    |        |        |       |      |
| 81 | BC | 101-7     | TR   | PINK | 183487  |                | 0.72          | 0.277                     | 132111 | 50826  | 81285                    | C    |        |        |       |      |
| 81 | BC | 101-OTHER | TR   | PINK | 18629   |                | 0.72          | 0.568                     | 13413  | 10581  | 2832                     | C    |        |        |       |      |
| 81 | BC | 2E        | GN   | PINK | 81      |                | 0.00          | 0.000                     | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 2E        | SE   | PINK | 103     |                | 0.00          | 0.000                     | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 2E        | TR   | PINK | 39662   |                | 0.00          | 0.000                     | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 2W        | GN   | PINK | 483     |                | 0.00          | 0.000                     | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 2W        | SE   | PINK | 57545   |                | 0.00          | 0.000                     | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 2W        | TR   | PINK | 64124   |                | 0.00          | 0.000                     | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 3-(1)     | GN   | PINK | 52810   |                | 0.45          | 0.214                     | 23765  | 11301  | 12463                    | C    |        |        |       |      |
| 81 | BC | 3-(1)     | SE   | PINK | 43251   |                | 0.45          | 0.214                     | 19463  | 9256   | 10207                    | C    |        |        |       |      |
| 81 | BC | 3-(2-4)   | GN   | PINK | 16929   |                | 0.45          | 0.611                     | 7618   | 10344  | -2726                    | C    |        |        |       |      |
| 81 | BC | 3-(2-4)   | SE   | PINK | 243099  |                | 0.45          | 0.611                     | 109395 | 148533 | -39139                   | C    |        |        |       |      |
| 81 | BC | 3-(7-17)  | GN   | PINK | 43739   |                | 0.59          | 0.531                     | 25806  | 23225  | 2581                     | C    |        |        |       |      |
| 81 | BC | 3-(7-17)  | SE   | PINK | 247763  |                | 0.59          | 0.531                     | 146180 | 131562 | 14618                    | C    |        |        |       |      |
| 81 | BC | 3         | TR   | PINK | 11540   |                | 0.45          | 0.214                     | 5193   | 2470   | 2723                     | C    |        |        |       |      |
| 81 | BC | 4         | GN   | PINK | 846828  |                | 0.24          | 0.007                     | 203239 | 5928   | 197311                   | C    |        |        |       |      |
| 81 | BC | 4         | SE   | PINK | 295706  |                | 0.24          | 0.004                     | 70969  | 1183   | 69787                    | C    |        |        |       |      |
| 81 | BC |           | GN   | PINK |         |                |               |                           | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC |           | SE   | PINK |         |                |               |                           | 0      | 0      | 0                        | C    |        |        |       |      |
| 81 | BC | 4         | TR   | PINK | 7238    |                | 0.24          | 0.004                     | 1737   | 29     | 1708                     | C    |        |        |       |      |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND -- |           |             | ----- INTERCEPTION ----- |     |           |             | Notes  |      |
|----|----|------|------|------|-------|------------------------------|-----------|---------------------------|-----------|-------------|--------------------------|-----|-----------|-------------|--------|------|
|    |    |      |      |      |       | Adjusted Catch               | U.S. Est. | Canndn Est.               | U.S. Est. | Canndn Est. | Diff                     | CAT | U.S. Est. | Canndn Est. |        | Diff |
| a  | b  | c    | d    | e    | f     | g                            | h         | i                         | k         | l           | m                        | o   | p         | q           | r      | t    |
| 81 | BC | 5    | OUT  | GN   | PINK  | 21710                        | 0.19      | 0.077                     | 4125      | 1672        | 2453                     | C   |           |             |        |      |
| 81 | BC | 5    | OUT  | SE   | PINK  | 12762                        | 0.19      | 0.077                     | 2425      | 983         | 1442                     | C   |           |             |        |      |
| 81 | BC | 5    | IN   | GN   | PINK  | 4667                         | 0.00      | 0.000                     | 0         | 0           | 0                        | C   |           |             |        |      |
| 81 | BC | 5    | IN   | SE   | PINK  | 171                          | 0.00      | 0.000                     | 0         | 0           | 0                        | C   |           |             |        |      |
| 81 | BC |      | 5    | TR   | PINK  | 1463                         | 0.19      | 0.077                     | 278       | 113         | 165                      | C   | 952145    | 564149      | 387996 |      |
| 81 | AK | 101  | OUT  | GN   | PINK  | 426918                       | 0.08      | 0.267                     | 34153     | 113987      | -79834                   | A   |           |             |        |      |
| 81 | AK | 101  | OUT  | SE   | PINK  | 1191430                      | 0.08      | 0.041                     | 95314     | 48849       | 46466                    | A   |           |             |        |      |
| 81 | AK | 101  | OUT  | TR   | PINK  | 7025                         | 0.08      | 0.041                     | 562       | 288         | 274                      | A   |           |             |        |      |
| 81 | AK | 101  | ANN  | GN   | PINK  | 212316                       | 0.08      | 0.041                     | 16985     | 8705        | 8280                     | A   |           |             |        |      |
| 81 | AK | 101  | ANN  | SE   | PINK  | 240523                       | 0.08      | 0.041                     | 19242     | 9861        | 9380                     | A   |           |             |        |      |
| 81 | AK | 101  | ANN  | OG   | PINK  | 194206                       | 0.10      | 0.041                     | 19421     | 7962        | 11458                    | A   |           |             |        |      |
| 81 | AK | 101  | TERM | GN   | PINK  | 0                            | 0.00      | 0.000                     | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 101  | TERM | SE   | PINK  | 0                            | 0.00      | 0.000                     | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 101  | TERM | TR   | PINK  | 0                            | 0.00      | 0.000                     | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK |      | 102  | GN   | PINK  | 0                            | 0.03      | 0.041                     | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK |      | 102  | SE   | PINK  | 844126                       | 0.03      | 0.041                     | 25324     | 34609       | -9285                    | A   |           |             |        |      |
| 81 | AK |      | 102  | TR   | PINK  | 8847                         | 0.03      | 0.041                     | 265       | 363         | -97                      | A   |           |             |        |      |
| 81 | AK |      | 103  | SE   | PINK  | 5263849                      | 0.00      | 0.000                     | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK |      | 103  | TR   | PINK  | 17618                        | 0.00      | 0.000                     | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK |      | 104  | SE   | PINK  | 3752974                      | 0.07      | 0.057                     | 262708    | 213920      | 48789                    | A   |           |             |        |      |
| 81 | AK |      | 104  | TR   | PINK  | 62495                        | 0.07      | 0.057                     | 4375      | 3562        | 812                      | A   |           |             |        |      |
| 81 | AK |      | 105  | SE   | PINK  | 309471                       | 0.00      | 0.000                     | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK |      | 105  | TR   | PINK  | 27130                        | 0.00      | 0.000                     | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 106  | OUT  | GN   | PINK  | 435268                       | 0.03      | 0.010                     | 13058     | 4353        | 8705                     | A   |           |             |        |      |
| 81 | AK | 106  | OUT  | SE   | PINK  | 383507                       | 0.03      | 0.010                     | 11505     | 3835        | 7670                     | A   |           |             |        |      |
| 81 | AK | 106  | OUT  | TR   | PINK  | 3793                         | 0.03      | 0.010                     | 114       | 38          | 76                       | A   |           |             |        |      |
| 81 | AK | 106  | 44   | GN   | PINK  | 0                            | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 106  | 44   | TR   | PINK  | 0                            | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 107  | OUT  | SE   | PINK  | 53122                        | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 107  | OUT  | TR   | PINK  | 2108                         | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 107  | 45   | GN   | PINK  | 0                            | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 107  | 45   | SE   | PINK  | 0                            | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 107  | 45   | TR   | PINK  | 0                            | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK |      | 108  | GN   | PINK  | 1466                         | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK |      | 108  | TR   | PINK  | 31                           | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 108  | 45   | GN   | PINK  | 0                            | 0.00      |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK | 108  | 45   | TR   | PINK  | 0                            |           |                           | 0         | 0           | 0                        | A   |           |             |        |      |
| 81 | AK |      | 152  | TR   | PINK  | 26853                        | 0.07      |                           | 1880      | 0           | 1880                     | A   |           |             |        |      |
| 81 | AK | ALL  | SP   | PINK | 0     |                              |           |                           | 0         | 0           | 0                        | A   | 504906    | 450332      | 54574  |      |
| 82 | BC | 1    | OUT  | GN   | PINK  | 107                          | 0.83      | 0.620                     | 89        | 66          | 22                       | C   |           |             |        |      |
| 82 | BC | 1    | OUT  | SE   | PINK  | 18036                        | 0.83      | 0.620                     | 14970     | 11182       | 3788                     | C   |           |             |        |      |
| 82 | BC | 1    | IN   | GN   | PINK  | 0                            | 0.83      | 0.000                     | 0         | 0           | 0                        | C   |           |             |        |      |
| 82 | BC | 1    | IN   | SE   | PINK  | 0                            | 0.83      | 0.000                     | 0         | 0           | 0                        | C   |           |             |        |      |
| 82 | BC | 101  | 4    | TR   | PINK  | 13217                        | 0.83      | 0.903                     | 10970     | 11935       | -965                     | C   |           |             |        |      |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area      | Gear | Spec | Catch   | PROP BOUND FOR |            | -- CATCH OF FISH BOUND -- |        |        | ---- INTERCEPTION ---- |       |        | Notes  |        |   |
|----|----|-----------|------|------|---------|----------------|------------|---------------------------|--------|--------|------------------------|-------|--------|--------|--------|---|
|    |    |           |      |      |         | Adjusted       | U.S. Candn | U.S.                      | Candn  | Diff   | U.S.                   | Candn | Diff   |        |        |   |
| a  | b  | c         | d    | e    | f       | g              | h          | i                         | k      | l      | m                      | o     | p      | q      | r      | t |
| 82 | BC | 101-7     | TR   | PINK | 39148   |                | 0.83       | 0.285                     | 32493  | 11157  | 21336                  | C     |        |        |        |   |
| 82 | BC | 101-OTHER | TR   | PINK | 3975    |                | 0.83       | 0.577                     | 3299   | 2294   | 1006                   | C     |        |        |        |   |
| 82 | BC | 2E        | GN   | PINK | 37      |                |            | 0.000                     | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 2E        | SE   | PINK | 63      |                |            | 0.000                     | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 2E        | TR   | PINK | 18535   |                |            | 0.000                     | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 2W        | GN   | PINK | 213     |                |            | 0.000                     | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 2W        | SE   | PINK | 15422   |                |            | 0.000                     | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 2W        | TR   | PINK | 7409    |                |            | 0.000                     | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 3-(1)     | GN   | PINK | 11351   |                | 0.57       | 0.450                     | 6470   | 5108   | 1362                   | C     |        |        |        |   |
| 82 | BC | 3-(1)     | SE   | PINK | 310901  |                | 0.57       | 0.450                     | 177214 | 139905 | 37308                  | C     |        |        |        |   |
| 82 | BC | 3-(2-4)   | GN   | PINK | 28675   |                | 0.57       | 0.450                     | 16345  | 12904  | 3441                   | C     |        |        |        |   |
| 82 | BC | 3-(2-4)   | SE   | PINK | 441169  |                | 0.57       | 0.450                     | 251466 | 198526 | 52940                  | C     |        |        |        |   |
| 82 | BC | 3-(7-17)  | GN   | PINK | 22065   |                | 0.87       | 0.350                     | 19197  | 7723   | 11474                  | C     |        |        |        |   |
| 82 | BC | 3-(7-17)  | SE   | PINK | 231939  |                | 0.87       | 0.350                     | 201787 | 81179  | 120608                 | C     |        |        |        |   |
| 82 | BC | 3         | TR   | PINK | 30499   |                | 0.57       | 0.450                     | 17384  | 13725  | 3660                   | C     |        |        |        |   |
| 82 | BC | 4         | GN   | PINK | 149160  |                | 0.38       | 0.021                     | 56681  | 3132   | 53548                  | C     |        |        |        |   |
| 82 | BC | 4         | SE   | PINK | 170255  |                | 0.38       | 0.105                     | 64697  | 17877  | 46820                  | C     |        |        |        |   |
| 82 | BC |           | GN   | PINK |         |                | 0.38       |                           | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC |           | SE   | PINK |         |                | 0.38       |                           | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 4         | TR   | PINK | 12750   |                | 0.38       | 0.105                     | 4845   | 1339   | 3506                   | C     |        |        |        |   |
| 82 | BC | 5 OUT     | GN   | PINK | 7565    |                | 0.36       | 0.210                     | 2723   | 1589   | 1135                   | C     |        |        |        |   |
| 82 | BC | 5 OUT     | SE   | PINK | 2507    |                | 0.36       | 0.210                     | 903    | 526    | 376                    | C     |        |        |        |   |
| 82 | BC | 5 IN      | GN   | PINK | 16161   |                |            | 0.000                     | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 5 IN      | SE   | PINK | 55897   |                |            | 0.000                     | 0      | 0      | 0                      | C     |        |        |        |   |
| 82 | BC | 5         | TR   | PINK | 4541    |                | 0.36       | 0.210                     | 1635   | 954    | 681                    | C     | 883167 | 521120 | 362047 |   |
| 82 | AK | 101-OUT   | GN   | PINK | 347278  |                | 0.06       | 0.200                     | 20837  | 69456  | -48619                 | A     |        |        |        |   |
| 82 | AK | 101-OUT   | SE   | PINK | 3946666 |                | 0.06       | 0.040                     | 236800 | 157867 | 78933                  | A     |        |        |        |   |
| 82 | AK | 101-OUT   | TR   | PINK | 34022   |                | 0.06       | 0.040                     | 2041   | 1361   | 680                    | A     |        |        |        |   |
| 82 | AK | 101 ANN   | GN   | PINK | 162537  |                | 0.06       | 0.040                     | 9752   | 6501   | 3251                   | A     |        |        |        |   |
| 82 | AK | 101 ANN   | SE   | PINK | 240523  |                | 0.06       | 0.040                     | 14431  | 9621   | 4810                   | A     |        |        |        |   |
| 82 | AK | 101 ANN   | OG   | PINK | 517637  |                | 0.10       | 0.040                     | 51764  | 20705  | 31058                  | A     |        |        |        |   |
| 82 | AK | 101 TERM  | GN   | PINK | 0       |                | 0.00       | 0.00                      | 0      | 0      | 0                      | A     |        |        |        |   |
| 82 | AK | 101 TERM  | SE   | PINK | 0       |                | 0.00       | 0.00                      | 0      | 0      | 0                      | A     |        |        |        |   |
| 82 | AK | 101 TERM  | TR   | PINK |         |                | 0.00       | 0.00                      | 0      | 0      | 0                      | A     |        |        |        |   |
| 82 | AK | 102       | GN   | PINK | 0       |                | 0.02       | 0.025                     | 0      | 0      | 0                      | A     |        |        |        |   |
| 82 | AK | 102       | SE   | PINK | 1648439 |                | 0.02       | 0.025                     | 32969  | 41211  | -8242                  | A     |        |        |        |   |
| 82 | AK | 102       | TR   | PINK | 24680   |                | 0.02       | 0.025                     | 494    | 617    | -123                   | A     |        |        |        |   |
| 82 | AK | 103       | SE   | PINK | 899493  |                | 0.00       | 0.020                     | 0      | 17990  | -17990                 | A     |        |        |        |   |
| 82 | AK | 103       | TR   | PINK | 11914   |                | 0.00       | 0.020                     | 0      | 238    | -238                   | A     |        |        |        |   |
| 82 | AK | 104       | SE   | PINK | 4586415 |                | 0.06       | 0.100                     | 275185 | 458642 | -183457                | A     |        |        |        |   |
| 82 | AK | 104       | TR   | PINK | 32843   |                | 0.06       | 0.100                     | 1971   | 3284   | -1314                  | A     |        |        |        |   |
| 82 | AK | 105       | SE   | PINK | 99543   |                | 0.00       | 0.000                     | 0      | 0      | 0                      | A     |        |        |        |   |
| 82 | AK | 105       | TR   | PINK | 11154   |                | 0.00       | 0.000                     | 0      | 0      | 0                      | A     |        |        |        |   |
| 82 | AK | 106-OUT   | GN   | PINK | 25484   |                | 0.03       | 0.020                     | 765    | 510    | 255                    | A     |        |        |        |   |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area      | Gear | Spec | Catch   | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |         |         | ----- INTERCEPTION ----- |      |        | Notes  |         |      |
|----|----|-----------|------|------|---------|----------------|---------------|---------------------------|---------|---------|--------------------------|------|--------|--------|---------|------|
|    |    |           |      |      |         | Adjusted       | OTHER COUNTRY | U.S.                      | Candn   | U.S.    | Candn                    | Diff | U.S.   |        | Candn   | Diff |
| a  | b  | c         | d    | e    | f       | g              | h             | i                         | k       | l       | m                        | o    | p      | q      | r       | t    |
| 82 | AK | 106-OUT   | SE   | PINK | 0       |                | 0.03          | 0.020                     | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 106-OUT   | TR   | PINK | 9566    |                | 0.03          | 0.020                     | 287     | 191     | 96                       | A    |        |        |         |      |
| 82 | AK | 106-44    | GN   | PINK | 514     |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 106-44    | TR   | PINK |         |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 107-OUT   | SE   | PINK | 109482  |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 107-OUT   | TR   | PINK | 898     |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 107-45    | GN   | PINK | 0       |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 107-45    | SE   | PINK | 0       |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 107-45    | TR   | PINK |         |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 108-OUT   | GN   | PINK | 16988   |                | 0.01          |                           | 170     | 0       | 170                      | A    |        |        |         |      |
| 82 | AK | 108-OUT   | TR   | PINK | 221     |                | 0.01          |                           | 2       | 0       | 2                        | A    |        |        |         |      |
| 82 | AK | 108-45    | GN   | PINK | 0       |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 108-45    | TR   | PINK |         |                |               |                           | 0       | 0       | 0                        | A    |        |        |         |      |
| 82 | AK | 152       | TR   | PINK | 11685   |                | 0.06          |                           | 701     | 0       | 701                      | A    |        |        |         |      |
| 82 | AK | ALL       | SP   | PINK |         |                |               |                           | 0       | 0       | 0                        | A    | 648168 | 788194 | -140026 |      |
| 83 | BC | 1-OUT     | GN   | PINK | 564     |                | 0.51          | 0.259                     | 288     | 146     | 142                      | C    |        |        |         |      |
| 83 | BC | 1-OUT     | SE   | PINK | 133421  |                | 0.51          | 0.259                     | 68045   | 34556   | 33489                    | C    |        |        |         |      |
| 83 | BC | 1- IN     | GN   | PINK | 0       |                | 0.51          | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 1- IN     | SE   | PINK | 0       |                | 0.51          | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 101-4     | TR   | PINK | 45466   |                | 0.72          | 0.847                     | 32736   | 38510   | -5774                    | C    |        |        |         |      |
| 83 | BC | 101-7     | TR   | PINK | 134668  |                | 0.72          | 0.192                     | 96961   | 25856   | 71105                    | C    |        |        |         |      |
| 83 | BC | 101-OTHER | TR   | PINK | 13673   |                | 0.72          | 0.448                     | 9845    | 6126    | 3719                     | C    |        |        |         |      |
| 83 | BC | 2E        | GN   | PINK | 0       |                |               | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 2E        | SE   | PINK | 0       |                |               | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 2E        | TR   | PINK | 32368   |                |               | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 2W        | GN   | PINK | 258     |                |               | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 2W        | SE   | PINK | 287776  |                |               | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 2W        | TR   | PINK | 11085   |                |               | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 3-(1)     | GN   | PINK | 25857   |                | 0.45          | 0.144                     | 11636   | 3723    | 7912                     | C    |        |        |         |      |
| 83 | BC | 3-(1)     | SE   | PINK | 946168  |                | 0.45          | 0.144                     | 425776  | 136248  | 289527                   | C    |        |        |         |      |
| 83 | BC | 3-(2-4)   | GN   | PINK | 71677   |                | 0.45          | 0.492                     | 32255   | 35265   | -3010                    | C    |        |        |         |      |
| 83 | BC | 3-(2-4)   | SE   | PINK | 2891299 |                | 0.45          | 0.492                     | 1301085 | 1422519 | -121435                  | C    |        |        |         |      |
| 83 | BC | 3-(7-17)  | GN   | PINK | 227177  |                | 0.59          | 0.411                     | 134034  | 93370   | 40665                    | C    |        |        |         |      |
| 83 | BC | 3-(7-17)  | SE   | PINK | 3225816 |                | 0.59          | 0.411                     | 1903231 | 1325810 | 577421                   | C    |        |        |         |      |
| 83 | BC | 3         | TR   | PINK | 116971  |                | 0.45          | 0.144                     | 52637   | 16844   | 35793                    | C    |        |        |         |      |
| 83 | BC | 4         | GN   | PINK | 639560  |                | 0.24          | 0.004                     | 153494  | 2558    | 150936                   | C    |        |        |         |      |
| 83 | BC | 4         | SE   | PINK | 0       |                | 0.24          | 0.021                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC |           | GN   | PINK | 0       |                | 0.24          |                           | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC |           | SE   | PINK | 0       |                | 0.24          |                           | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 4         | TR   | PINK | 29856   |                | 0.24          | 0.021                     | 7165    | 627     | 6538                     | C    |        |        |         |      |
| 83 | BC | 5 OUT     | GN   | PINK | 20397   |                | 0.19          | 0.049                     | 3875    | 999     | 2876                     | C    |        |        |         |      |
| 83 | BC | 5 OUT     | SE   | PINK | 4567    |                | 0.19          | 0.049                     | 868     | 224     | 644                      | C    |        |        |         |      |
| 83 | BC | 5 IN      | GN   | PINK | 13068   |                | 0.00          | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |
| 83 | BC | 5 IN      | SE   | PINK | 92920   |                | 0.00          | 0.000                     | 0       | 0       | 0                        | C    |        |        |         |      |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area      | Gear | Spec | Catch    | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |         |         | ----- INTERCEPTION ----- |      |         | Notes   |         |         |  |
|----|----|-----------|------|------|----------|----------------|---------------|---------------------------|---------|---------|--------------------------|------|---------|---------|---------|---------|--|
|    |    |           |      |      |          | Adjusted       | OTHER COUNTRY | U.S.                      | Candn   | U.S.    | Candn                    | Diff | U.S.    |         | Candn   | Diff    |  |
| a  | b  | c         | d    | e    | f        | g              | h             | i                         | k       | l       | m                        | o    | p       | q       | r       | t       |  |
| 83 | BC |           | 5    | TR   | PINK     | 6069           |               | 0.19                      | 0.049   | 1153    | 297                      | 856  | C       | 4235083 | 3143679 | 1091404 |  |
| 83 | AK | 101-OUT   | GN   | PINK | 772342   |                | 0.08          | 0.371                     | 61787   | 286539  | -224752                  | A    |         |         |         |         |  |
| 83 | AK | 101-OUT   | SE   | PINK | 5243277  |                | 0.08          | 0.065                     | 419462  | 340813  | 78649                    | A    |         |         |         |         |  |
| 83 | AK | 101-OUT   | TR   | PINK | 16536    |                | 0.08          | 0.065                     | 1323    | 1075    | 248                      | A    |         |         |         |         |  |
| 83 | AK | 101 ANN   | GN   | PINK | 212034   |                | 0.08          | 0.065                     | 16963   | 13782   | 3181                     | A    |         |         |         |         |  |
| 83 | AK | 101 ANN   | SE   | PINK | 0        |                | 0.08          | 0.065                     | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 101 ANN   | OG   | PINK | 802700   |                | 0.10          | 0.065                     | 80270   | 52176   | 28095                    | A    |         |         |         |         |  |
| 83 | AK | 101 TERM  | GN   | PINK | 0        |                | 0.00          | 0.000                     | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 101 TERM  | SE   | PINK | 0        |                | 0.00          | 0.000                     | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 101 TERM  | TR   | PINK | 0        |                | 0.00          | 0.000                     | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 102       | GN   | PINK | 0        |                | 0.03          | 0.065                     | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 102       | SE   | PINK | 1789419  |                | 0.03          | 0.065                     | 53683   | 116312  | -62630                   | A    |         |         |         |         |  |
| 83 | AK | 102       | TR   | PINK | 10990    |                | 0.03          | 0.065                     | 330     | 714     | -385                     | A    |         |         |         |         |  |
| 83 | AK | 103       | SE   | PINK | 2691478  |                | 0.00          | 0.017                     | 0       | 45755   | -45755                   | A    |         |         |         |         |  |
| 83 | AK | 103       | TR   | PINK | 8501     |                | 0.00          | 0.017                     | 0       | 145     | -145                     | A    |         |         |         |         |  |
| 83 | AK | 104       | SE   | PINK | 16765288 |                | 0.07          | 0.089                     | 1173570 | 1492111 | -318540                  | A    |         |         |         |         |  |
| 83 | AK | 104       | TR   | PINK | 50929    |                | 0.07          | 0.089                     | 3565    | 4533    | -968                     | A    |         |         |         |         |  |
| 83 | AK | 105       | SE   | PINK | 240249   |                | 0.00          | 0.000                     | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 105       | TR   | PINK | 13495    |                | 0.00          | 0.000                     | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 106-OUT   | GN   | PINK | 208167   |                | 0.03          | 0.017                     | 6245    | 3539    | 2706                     | A    |         |         |         |         |  |
| 83 | AK | 106-OUT   | SE   | PINK | 891487   |                | 0.03          | 0.017                     | 26745   | 15155   | 11589                    | A    |         |         |         |         |  |
| 83 | AK | 106-OUT   | TR   | PINK | 11677    |                | 0.03          | 0.017                     | 350     | 199     | 152                      | A    |         |         |         |         |  |
| 83 | AK | 106-44    | GN   | PINK | 0        |                | 0.00          |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 106-44    | TR   | PINK | 0        |                | 0.00          |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 107-OUT   | SE   | PINK | 682880   |                |               |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 107-OUT   | TR   | PINK | 646      |                |               |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 107-45    | GN   | PINK | 0        |                |               |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 107-45    | SE   | PINK | 0        |                |               |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 107-45    | TR   | PINK | 0        |                |               |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 108-OUT   | GN   | PINK | 4171     |                | 0.00          |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 108-OUT   | TR   | PINK | 209      |                | 0.00          |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 108-45    | GN   | PINK | 0        |                | 0.00          |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 108-45    | TR   | PINK | 0        |                |               |                           | 0       | 0       | 0                        | A    |         |         |         |         |  |
| 83 | AK | 152       | TR   | PINK | 8        |                | 0.07          |                           | 1       | 0       | 1                        | A    |         |         |         |         |  |
| 83 | AK | ALL       | SP   | PINK | 0        |                |               |                           | 0       | 0       | 0                        | A    | 1844293 | 2372847 | -528554 |         |  |
| 84 | BC | 1 OUT     | GN   | PINK | 456      |                | 0.35          | 0.620                     | 160     | 283     | -123                     | C    |         |         |         |         |  |
| 84 | BC | 1 OUT     | SE   | PINK | 63084    |                | 0.35          | 0.620                     | 22079   | 39112   | -17033                   | C    |         |         |         |         |  |
| 84 | BC | 1 IN      | GN   | PINK | 2534     |                |               | 0.000                     | 0       | 0       | 0                        | C    |         |         |         |         |  |
| 84 | BC | 1 IN      | SE   | PINK | 614919   |                |               | 0.000                     | 0       | 0       | 0                        | C    |         |         |         |         |  |
| 84 | BC | 101-4     | TR   | PINK | 706546   |                | 0.73          | 0.903                     | 515779  | 638011  | -122232                  | C    |         |         |         |         |  |
| 84 | BC | 101-7     | TR   | PINK | 153086   |                | 0.73          | 0.285                     | 111753  | 43630   | 68123                    | C    |         |         |         |         |  |
| 84 | BC | 101-OTHER | TR   | PINK | 317945   |                | 0.73          | 0.577                     | 232100  | 183454  | 48646                    | C    |         |         |         |         |  |
| 84 | BC | 2E        | GN   | PINK | 124      |                |               | 0.000                     | 0       | 0       | 0                        | C    |         |         |         |         |  |
| 84 | BC | 2E        | SE   | PINK | 43505    |                |               | 0.000                     | 0       | 0       | 0                        | C    |         |         |         |         |  |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area | Gear     | Spec | Catch | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |       |        | ---- INTERCEPTION ---- |         |      | Notes   |         |        |
|----|----|------|----------|------|-------|----------------|---------------|---------------------------|-------|--------|------------------------|---------|------|---------|---------|--------|
|    |    |      |          |      |       | Adjusted       | OTHER COUNTRY | U.S.                      | Candn | U.S.   | Candn                  | Diff    | U.S. |         | Candn   | Diff   |
| a  | b  | c    | d        | e    | f     | g              | h             | i                         | k     | l      | m                      | o       | p    | q       | r       | t      |
| 84 | BC |      | 2E       | TR   | PINK  | 18600          |               | 0.000                     | 0     | 0      | 0                      | C       |      |         |         |        |
| 84 | BC |      | 2W       | GN   | PINK  | 0              |               | 0.000                     | 0     | 0      | 0                      | C       |      |         |         |        |
| 84 | BC |      | 2W       | SE   | PINK  | 120380         |               | 0.000                     | 0     | 0      | 0                      | C       |      |         |         |        |
| 84 | BC |      | 2W       | TR   | PINK  | 24951          |               | 0.000                     | 0     | 0      | 0                      | C       |      |         |         |        |
| 84 | BC |      | 3-(1)    | GN   | PINK  | 28743          |               | 0.39                      | 0.320 | 11210  | 9198                   | 2012    | C    |         |         |        |
| 84 | BC |      | 3-(1)    | SE   | PINK  | 552928         |               | 0.39                      | 0.320 | 215642 | 176937                 | 38705   | C    |         |         |        |
| 84 | BC |      | 3-(2-4)  | GN   | PINK  | 48234          |               | 0.39                      | 0.480 | 18811  | 23152                  | -4341   | C    |         |         |        |
| 84 | BC |      | 3-(2-4)  | SE   | PINK  | 751740         |               | 0.39                      | 0.480 | 293179 | 360835                 | -67657  | C    |         |         |        |
| 84 | BC |      | 3-(7-17) | GN   | PINK  | 157105         |               | 0.43                      | 0.410 | 67555  | 64413                  | 3142    | C    |         |         |        |
| 84 | BC |      | 3-(7-17) | SE   | PINK  | 810967         |               | 0.43                      | 0.410 | 348716 | 332496                 | 16219   | C    |         |         |        |
| 84 | BC |      | 3        | TR   | PINK  | 104298         |               | 0.39                      | 0.320 | 40676  | 33375                  | 7301    | C    |         |         |        |
| 84 | BC |      | 4-OUT    | GN   | PINK  | 57138          |               | 0.28                      | 0.280 | 15999  | 15999                  | 0       | C    |         |         |        |
| 84 | BC |      | 4-OUT    | SE   | PINK  | 248868         |               | 0.28                      | 0.280 | 69683  | 69683                  | 0       | C    |         |         |        |
| 84 | BC |      | 4- IN    | GN   | PINK  | 572199         |               | 0.28                      | 0.000 | 160216 | 0                      | 160216  | C    |         |         |        |
| 84 | BC |      | 4- IN    | SE   | PINK  | 123794         |               | 0.28                      | 0.000 | 34662  | 0                      | 34662   | C    |         |         |        |
| 84 | BC |      | 4        | TR   | PINK  | 73921          |               | 0.28                      | 0.280 | 20698  | 20698                  | 0       | C    |         |         |        |
| 84 | BC |      | 5 OUT    | GN   | PINK  | 24239          |               | 0.15                      | 0.200 | 3636   | 4848                   | -1212   | C    |         |         |        |
| 84 | BC |      | 5 OUT    | SE   | PINK  | 5509           |               | 0.15                      | 0.200 | 826    | 1102                   | -275    | C    |         |         |        |
| 84 | BC |      | 5 IN     | GN   | PINK  | 4377           |               | 0.000                     | 0     | 0      | 0                      | C       |      |         |         |        |
| 84 | BC |      | 5 IN     | SE   | PINK  | 542843         |               | 0.000                     | 0     | 0      | 0                      | C       |      |         |         |        |
| 84 | BC |      | 5        | TR   | PINK  | 2253           |               | 0.15                      | 0.200 | 338    | 451                    | -113    | C    | 2183717 | 2017676 | 166040 |
| 84 | AK |      | 101-OUT  | GN   | PINK  | 718704         |               | 0.08                      | 0.350 | 57496  | 251546                 | -194050 | A    |         |         |        |
| 84 | AK |      | 101-OUT  | SE   | PINK  | 5713186        |               | 0.08                      | 0.050 | 457055 | 285659                 | 171396  | A    |         |         |        |
| 84 | AK |      | 101-OUT  | TR   | PINK  | 13354          |               | 0.08                      | 0.050 | 1068   | 668                    | 401     | A    |         |         |        |
| 84 | AK |      | 101 ANN  | GN   | PINK  | 404010         |               | 0.08                      | 0.050 | 32321  | 20201                  | 12120   | A    |         |         |        |
| 84 | AK |      | 101 ANN  | SE   | PINK  | 502474         |               | 0.08                      | 0.050 | 40198  | 25124                  | 15074   | A    |         |         |        |
| 84 | AK |      | 101 ANN  | OG   | PINK  | 649458         |               | 0.10                      | 0.050 | 64946  | 32473                  | 32473   | A    |         |         |        |
| 84 | AK |      | 101 TERM | GN   | PINK  | 0              |               | 0.00                      | 0.00  | 0      | 0                      | 0       | A    |         |         |        |
| 84 | AK |      | 101 TERM | SE   | PINK  | 0              |               | 0.00                      | 0.00  | 0      | 0                      | 0       | A    |         |         |        |
| 84 | AK |      | 101 TERM | TR   | PINK  |                |               | 0.00                      | 0.00  | 0      | 0                      | 0       | A    |         |         |        |
| 84 | AK |      | 102      | GN   | PINK  | 14479          |               | 0.04                      | 0.050 | 579    | 724                    | -145    | A    |         |         |        |
| 84 | AK |      | 102      | SE   | PINK  | 2340182        |               | 0.04                      | 0.050 | 93607  | 117009                 | -23402  | A    |         |         |        |
| 84 | AK |      | 102      | TR   | PINK  | 11636          |               | 0.04                      | 0.050 | 465    | 582                    | -116    | A    |         |         |        |
| 84 | AK |      | 103      | SE   | PINK  | 2217387        |               | 0.00                      | 0.020 | 0      | 44348                  | -44348  | A    |         |         |        |
| 84 | AK |      | 103      | TR   | PINK  | 22829          |               | 0.00                      | 0.020 | 0      | 457                    | -457    | A    |         |         |        |
| 84 | AK |      | 104      | SE   | PINK  | 6123040        |               | 0.09                      | 0.110 | 551074 | 673534                 | -122461 | A    |         |         |        |
| 84 | AK |      | 104      | TR   | PINK  | 44062          |               | 0.09                      | 0.110 | 3966   | 4847                   | -881    | A    |         |         |        |
| 84 | AK |      | 105      | SE   | PINK  | 218459         |               | 0.00                      | 0.000 | 0      | 0                      | 0       | A    |         |         |        |
| 84 | AK |      | 105      | TR   | PINK  | 17490          |               | 0.00                      | 0.000 | 0      | 0                      | 0       | A    |         |         |        |
| 84 | AK |      | 106-OUT  | GN   | PINK  | 343255         |               | 0.03                      | 0.020 | 10298  | 6865                   | 3433    | A    |         |         |        |
| 84 | AK |      | 106-OUT  | SE   | PINK  | 106565         |               | 0.03                      | 0.020 | 3197   | 2131                   | 1066    | A    |         |         |        |
| 84 | AK |      | 106-OUT  | TR   | PINK  | 12303          |               | 0.03                      | 0.020 | 369    | 246                    | 123     | A    |         |         |        |
| 84 | AK |      | 106-44   | GN   | PINK  | 378            |               |                           |       | 0      | 0                      | 0       | A    |         |         |        |
| 84 | AK |      | 106-44   | TR   | PINK  |                |               |                           |       | 0      | 0                      | 0       | A    |         |         |        |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area      | Gear | Spec | Catch   | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |        |        | ----- INTERCEPTION ----- |      |         | Notes   |         |      |
|----|----|-----------|------|------|---------|----------------|---------------|---------------------------|--------|--------|--------------------------|------|---------|---------|---------|------|
|    |    |           |      |      |         | Adjusted       | OTHER COUNTRY | U.S.                      | Canndn | U.S.   | Canndn                   | Diff | U.S.    |         | Canndn  | Diff |
| a  | b  | c         | d    | e    | f       | g              | h             | i                         | k      | l      | m                        | o    | p       | q       | r       | t    |
| 84 | AK | 107-OUT   | SE   | PINK | 156908  |                |               |                           | 0      | 0      | 0                        | A    |         |         |         |      |
| 84 | AK | 107-OUT   | TR   | PINK | 304     |                |               |                           | 0      | 0      | 0                        | A    |         |         |         |      |
| 84 | AK | 107-45    | GN   | PINK | 0       |                |               |                           | 0      | 0      | 0                        | A    |         |         |         |      |
| 84 | AK | 107-45    | SE   | PINK | 20      |                |               |                           | 0      | 0      | 0                        | A    |         |         |         |      |
| 84 | AK | 107-45    | TR   | PINK |         |                |               |                           | 0      | 0      | 0                        | A    |         |         |         |      |
| 84 | AK | 108-OUT   | GN   | PINK | 4960    |                | 0.01          |                           | 50     | 0      | 50                       | A    |         |         |         |      |
| 84 | AK | 108-OUT   | TR   | PINK | 5       |                | 0.01          |                           | 0      | 0      | 0                        | A    |         |         |         |      |
| 84 | AK | 108-45    | GN   | PINK | 0       |                |               |                           | 0      | 0      | 0                        | A    |         |         |         |      |
| 84 | AK | 108-45    | TR   | PINK | 0       |                |               |                           | 0      | 0      | 0                        | A    |         |         |         |      |
| 84 | AK | 152       | TR   | PINK | 209     |                | 0.09          |                           | 19     | 0      | 19                       | A    |         |         |         |      |
| 84 | AK | ALL       | SP   | PINK |         |                |               |                           | 0      | 0      | 0                        | A    | 1316707 | 1466413 | -149706 |      |
| 85 | BC | 1 OUT     | GN   | PINK | 84      |                | 0.35          | 0.370                     | 29     | 31     | -2                       | C    |         |         |         |      |
| 85 | BC | 1 OUT     | SE   | PINK | 236627  |                | 0.35          | 0.370                     | 82819  | 87552  | -4733                    | C    |         |         |         |      |
| 85 | BC | 1 IN      | GN   | PINK | 775     |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 1 IN      | SE   | PINK | 0       |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 101-4     | TR   | PINK | 170880  |                | 0.35          | 0.903                     | 59808  | 154305 | -94497                   | C    |         |         |         |      |
| 85 | BC | 101-7     | TR   | PINK | 507776  |                | 0.35          | 0.285                     | 177722 | 144716 | 33005                    | C    |         |         |         |      |
| 85 | BC | 101-OTHER | TR   | PINK | 8378    |                | 0.35          | 0.577                     | 2932   | 4834   | -1902                    | C    |         |         |         |      |
| 85 | BC | 2E        | GN   | PINK | 6113    |                |               | 0.00                      | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 2E        | SE   | PINK | 3270    |                |               | 0.00                      | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 2E        | TR   | PINK | 37538   |                |               | 0.00                      | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 2W        | GN   | PINK | 9       |                |               | 0.00                      | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 2W        | SE   | PINK | 17611   |                |               | 0.00                      | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 2W        | TR   | PINK | 110225  |                |               | 0.00                      | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 3-(1)     | GN   | PINK | 12373   |                | 0.39          | 0.220                     | 4825   | 2722   | 2103                     | C    |         |         |         |      |
| 85 | BC | 3-(1)     | SE   | PINK | 303342  |                | 0.39          | 0.220                     | 118303 | 66735  | 51568                    | C    |         |         |         |      |
| 85 | BC | 3-(2-4)   | GN   | PINK | 15596   |                | 0.39          | 0.620                     | 6082   | 9670   | -3587                    | C    |         |         |         |      |
| 85 | BC | 3-(2-4)   | SE   | PINK | 942981  |                | 0.39          | 0.620                     | 367763 | 584648 | -216886                  | C    |         |         |         |      |
| 85 | BC | 3-(7-17)  | GN   | PINK | 146597  |                | 0.47          | 0.540                     | 68901  | 79162  | -10262                   | C    |         |         |         |      |
| 85 | BC | 3-(7-17)  | SE   | PINK | 1210734 |                | 0.47          | 0.540                     | 569045 | 653796 | -84751                   | C    |         |         |         |      |
| 85 | BC | 3         | TR   | PINK | 48892   |                | 0.39          | 0.220                     | 19068  | 10756  | 8312                     | C    |         |         |         |      |
| 85 | BC | 4-OUT     | GN   | PINK | 64334   |                | 0.06          | 0.070                     | 3860   | 4503   | -643                     | C    |         |         |         |      |
| 85 | BC | 4-OUT     | SE   | PINK | 266676  |                | 0.06          | 0.070                     | 16001  | 18667  | -2667                    | C    |         |         |         |      |
| 85 | BC | 4- IN     | GN   | PINK | 885652  |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 4- IN     | SE   | PINK | 482112  |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 4         | TR   | PINK | 29417   |                | 0.06          | 0.070                     | 1765   | 2059   | -294                     | C    |         |         |         |      |
| 85 | BC | 5 OUT     | GN   | PINK | 1988    |                | 0.06          | 0.080                     | 119    | 159    | -40                      | C    |         |         |         |      |
| 85 | BC | 5 OUT     | SE   | PINK | 368     |                | 0.06          | 0.080                     | 22     | 29     | -7                       | C    |         |         |         |      |
| 85 | BC | 5 IN      | GN   | PINK | 11672   |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 5 IN      | SE   | PINK | 282548  |                |               | 0.000                     | 0      | 0      | 0                        | C    |         |         |         |      |
| 85 | BC | 5         | TR   | PINK | 16853   |                | 0.06          | 0.080                     | 1011   | 1348   | -337                     | C    | 1500076 | 1825695 | -325618 |      |
| 85 | AK | 101-OUT   | GN   | PINK | 691751  |                | 0.10          | 0.260                     | 69175  | 179855 | -110680                  | A    |         |         |         |      |
| 85 | AK | 101-OUT   | SE   | PINK | 7121867 |                | 0.10          | 0.040                     | 712187 | 284875 | 427312                   | A    |         |         |         |      |
| 85 | AK | 101-OUT   | TR   | PINK | 14272   |                | 0.10          | 0.040                     | 1427   | 571    | 856                      | A    |         |         |         |      |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area | Gear      | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |            | ----- INTERCEPTION -----<br>---- CATEGORY SUMMARY ---- |     |           | Notes   |            |      |
|----|----|------|-----------|------|-------|------------------------------|-----------|--|-----------|------------|--|-----|-----------|---------|------------|------|
|    |    |      |           |      |       | Adjusted Catch               | U.S. Est. | Candn Est.   | U.S. Est. | Candn Est. | Diff   | CAT | U.S. Est. |         | Candn Est. | Diff |
| a  | b  | c    | d         | e    | f     | g                            | h         | i  | k         | l          | m  | o   | p         | q       | r          | t    |
| 85 | AK | 101  | ANN       | GN   | PINK  | 406164                       | 0.10      | 0.040  | 40616     | 16247      | 24370  | A   |           |         |            |      |
| 85 | AK | 101  | ANN       | SE   | PINK  | 488423                       | 0.10      | 0.040  | 48842     | 19537      | 29305  | A   |           |         |            |      |
| 85 | AK | 101  | ANN       | OG   | PINK  | 522679                       | 0.10      | 0.040  | 52268     | 20907      | 31361  | A   |           |         |            |      |
| 85 | AK | 101  | TERM      | GN   | PINK  | 5                            | 0.00      | 0.000  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK | 101  | TERM      | SE   | PINK  | 143                          | 0.00      | 0.000  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK | 101  | TERM      | TR   | PINK  |                              | 0.00      | 0.000  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 102       | GN   | PINK  | 39861                        | 0.03      | 0.040  | 1196      | 1594       | -399   | A   |           |         |            |      |
| 85 | AK |      | 102       | SE   | PINK  | 2543196                      | 0.03      | 0.040  | 76296     | 101728     | -25432   | A   |           |         |            |      |
| 85 | AK |      | 102       | TR   | PINK  | 5865                         | 0.03      | 0.040  | 176       | 235        | -59  | A   |           |         |            |      |
| 85 | AK |      | 103       | SE   | PINK  | 7745688                      | 0.00      | 0.010  | 0         | 77457      | -77457   | A   |           |         |            |      |
| 85 | AK |      | 103       | TR   | PINK  | 17772                        | 0.00      | 0.010  | 0         | 178        | -178   | A   |           |         |            |      |
| 85 | AK |      | 104       | SE   | PINK  | 8503133                      | 0.07      | 0.055  | 595219    | 467672     | 127547   | A   |           |         |            |      |
| 85 | AK |      | 104       | TR   | PINK  | 40090                        | 0.07      | 0.055  | 2806      | 2205       | 601  | A   |           |         |            |      |
| 85 | AK |      | 105       | SE   | PINK  | 1794236                      | 0.00      | 0.000  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 105       | TR   | PINK  | 11769                        | 0.00      | 0.000  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 106-OUT   | GN   | PINK  | 584946                       | 0.03      | 0.010  | 17548     | 5849       | 11699  | A   |           |         |            |      |
| 85 | AK |      | 106-OUT   | SE   | PINK  | 208189                       | 0.03      | 0.010  | 6246      | 2082       | 4164   | A   |           |         |            |      |
| 85 | AK |      | 106-OUT   | TR   | PINK  | 8050                         | 0.03      | 0.010  | 242       | 81         | 161  | A   |           |         |            |      |
| 85 | AK |      | 106-44    | GN   | PINK  | 181                          |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 106-44    | TR   | PINK  |                              |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 107-OUT   | SE   | PINK  | 820                          |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 107-OUT   | TR   | PINK  | 309                          |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 107-45    | GN   | PINK  | 0                            |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 107-45    | SE   | PINK  | 0                            |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 107-45    | TR   | PINK  | 0                            |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 108-OUT   | GN   | PINK  | 5325                         | 0.01      |  | 53        | 0          | 53   | A   |           |         |            |      |
| 85 | AK |      | 108-OUT   | TR   | PINK  | 145                          | 0.01      |  | 1         | 0          | 1  | A   |           |         |            |      |
| 85 | AK |      | 108-45    | GN   | PINK  | 4                            |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 108-45    | TR   | PINK  |                              |           |  | 0         | 0          | 0  | A   |           |         |            |      |
| 85 | AK |      | 152       | TR   | PINK  | 293                          | 0.07      |  | 21        | 0          | 21   | A   |           |         |            |      |
| 85 | AK |      | ALL       | SP   | PINK  |                              |           |  | 0         | 0          | 0  | A   | 1624320   | 1181072 | 443248     |      |
| 86 | BC |      | 1         | OUT  | GN    | PINK                         | 0.51      | 0.667  | 117       | 153        | -36  | C   |           |         |            |      |
| 86 | BC |      | 1         | OUT  | SE    | PINK                         | 0.51      | 0.667  | 86916     | 113672     | -26756   | C   |           |         |            |      |
| 86 | BC |      | 1         | IN   | GN    | PINK                         |           | 0.000  | 0         | 0          | 0  | C   |           |         |            |      |
| 86 | BC |      | 1         | IN   | SE    | PINK                         |           | 0.000  | 0         | 0          | 0  | C   |           |         |            |      |
| 86 | BC |      | 101-4     | TR   | PINK  | 34754                        | 0.72      | 0.919  | 25023     | 31939      | -6916  | C   |           |         |            |      |
| 86 | BC |      | 101-7     | TR   | PINK  | 380791                       | 0.72      | 0.328  | 274170    | 124899     | 149270   | C   |           |         |            |      |
| 86 | BC |      | 101-OTHER | TR   | PINK  | 0                            | 0.72      | 0.626  | 0         | 0          | 0  | C   |           |         |            |      |
| 86 | BC |      | 2E        | GN   | PINK  | 5882                         |           | 0.000  | 0         | 0          | 0  | C   |           |         |            |      |
| 86 | BC |      | 2E        | SE   | PINK  | 347263                       |           | 0.000  | 0         | 0          | 0  | C   |           |         |            |      |
| 86 | BC |      | 2E        | TR   | PINK  | 39333                        |           | 0.000  | 0         | 0          | 0  | C   |           |         |            |      |
| 86 | BC |      | 2W        | GN   | PINK  | 973                          |           | 0.000  | 0         | 0          | 0  | C   |           |         |            |      |
| 86 | BC |      | 2W        | SE   | PINK  | 99993                        |           | 0.000  | 0         | 0          | 0  | C   |           |         |            |      |
| 86 | BC |      | 2W        | TR   | PINK  | 36557                        |           | 0.000  | 0         | 0          | 0  | C   |           |         |            |      |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area     | Gear | Spec | Catch    | PROP BOUND FOR |            | -- CATCH OF FISH BOUND -- |         |         | ----- INTERCEPTION ----- |       |         | Notes   |        |   |
|----|----|----------|------|------|----------|----------------|------------|---------------------------|---------|---------|--------------------------|-------|---------|---------|--------|---|
|    |    |          |      |      |          | Adjusted       | U.S. Candn | U.S.                      | Candn   | Diff    | U.S.                     | Candn | Diff    |         |        |   |
| a  | b  | c        | d    | e    | f        | Catch          | Est. h     | Est. i                    | Est. k  | Est. l  | Diff m                   | CAT o | Est. p  | Est. q  | Diff r | t |
| 86 | BC | 3-(1)    | GN   | PINK | 28414    |                | 0.45       | 0.434                     | 12786   | 12332   | 455                      | C     |         |         |        |   |
| 86 | BC | 3-(1)    | SE   | PINK | 426382   |                | 0.45       | 0.434                     | 191872  | 185050  | 6822                     | C     |         |         |        |   |
| 86 | BC | 3-(2-4)  | GN   | PINK | 90322    |                | 0.45       | 0.516                     | 40645   | 46606   | -5961                    | C     |         |         |        |   |
| 86 | BC | 3-(2-4)  | SE   | PINK | 1412587  |                | 0.45       | 0.516                     | 635664  | 728895  | -93231                   | C     |         |         |        |   |
| 86 | BC | 3-(7-17) | GN   | PINK | 125902   |                | 0.59       | 0.429                     | 74282   | 54012   | 20270                    | C     |         |         |        |   |
| 86 | BC | 3-(7-17) | SE   | PINK | 1266711  |                | 0.59       | 0.429                     | 747359  | 543419  | 203940                   | C     |         |         |        |   |
| 86 | BC | 3        | TR   | PINK | 115071   |                | 0.45       | 0.434                     | 51782   | 49941   | 1841                     | C     |         |         |        |   |
| 86 | BC | 4-OUT    | GN   | PINK | 35063    |                | 0.24       | 0.285                     | 8415    | 9993    | -1578                    | C     |         |         |        |   |
| 86 | BC | 4-OUT    | SE   | PINK | 182277   |                | 0.24       | 0.285                     | 43746   | 51949   | -8202                    | C     |         |         |        |   |
| 86 | BC | 4- IN    | GN   | PINK | 1078890  |                |            | 0.000                     | 0       | 0       | 0                        | C     |         |         |        |   |
| 86 | BC | 4- IN    | SE   | PINK | 99171    |                |            | 0.000                     | 0       | 0       | 0                        | C     |         |         |        |   |
| 86 | BC | 4        | TR   | PINK | 32593    |                | 0.24       | 0.285                     | 7822    | 9289    | -1467                    | C     |         |         |        |   |
| 86 | BC | 5 OUT    | GN   | PINK | 25109    |                | 0.19       | 0.240                     | 4771    | 6026    | -1255                    | C     |         |         |        |   |
| 86 | BC | 5 OUT    | SE   | PINK | 0        |                | 0.19       | 0.240                     | 0       | 0       | 0                        | C     |         |         |        |   |
| 86 | BC | 5 IN     | GN   | PINK | 110261   |                | 0.00       | 0.000                     | 0       | 0       | 0                        | C     |         |         |        |   |
| 86 | BC | 5 IN     | SE   | PINK | 1355768  |                | 0.00       | 0.000                     | 0       | 0       | 0                        | C     |         |         |        |   |
| 86 | BC | 5        | TR   | PINK | 12503    |                | 0.19       | 0.240                     | 2376    | 3001    | -625                     | C     | 2207746 | 1971175 | 236571 |   |
| 86 | AK | 101-OUT  | GN   | PINK | 906406   |                | 0.08       | 0.236                     | 72512   | 213912  | -141399                  | A     |         |         |        |   |
| 86 | AK | 101-OUT  | SE   | PINK | 9591592  |                | 0.08       | 0.037                     | 767327  | 354889  | 412438                   | A     |         |         |        |   |
| 86 | AK | 101-OUT  | TR   | PINK | 13370    |                | 0.08       | 0.037                     | 1070    | 495     | 575                      | A     |         |         |        |   |
| 86 | AK | 101 ANN  | GN   | PINK | 512270   |                | 0.08       | 0.037                     | 40982   | 18954   | 22028                    | A     |         |         |        |   |
| 86 | AK | 101 ANN  | SE   | PINK | 851282   |                | 0.08       | 0.037                     | 68103   | 31497   | 36605                    | A     |         |         |        |   |
| 86 | AK | 101 ANN  | OG   | PINK | 458860   |                | 0.10       | 0.037                     | 45886   | 16978   | 28908                    | A     |         |         |        |   |
| 86 | AK | 101 TERM | GN   | PINK | 44       |                | 0.00       | 0.000                     | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 101 TERM | SE   | PINK | 147      |                | 0.00       | 0.000                     | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 101 TERM | TR   | PINK |          |                | 0.00       | 0.000                     | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 102      | GN   | PINK | 7441     |                | 0.03       | 0.031                     | 223     | 231     | -7                       | A     |         |         |        |   |
| 86 | AK | 102      | SE   | PINK | 5292599  |                | 0.03       | 0.031                     | 158778  | 164071  | -5293                    | A     |         |         |        |   |
| 86 | AK | 102      | TR   | PINK | 5730     |                | 0.03       | 0.031                     | 172     | 178     | -6                       | A     |         |         |        |   |
| 86 | AK | 103      | SE   | PINK | 7078175  |                | 0.00       | 0.016                     | 0       | 113251  | -113251                  | A     |         |         |        |   |
| 86 | AK | 103      | TR   | PINK | 6265     |                | 0.00       | 0.016                     | 0       | 100     | -100                     | A     |         |         |        |   |
| 86 | AK | 104      | SE   | PINK | 18868802 |                | 0.07       | 0.087                     | 1320816 | 1641586 | -320770                  | A     |         |         |        |   |
| 86 | AK | 104      | TR   | PINK | 40762    |                | 0.07       | 0.087                     | 2853    | 3546    | -693                     | A     |         |         |        |   |
| 86 | AK | 105      | SE   | PINK | 513109   |                | 0.00       | 0.000                     | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 105      | TR   | PINK | 3738     |                | 0.00       | 0.000                     | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 106-OUT  | GN   | PINK | 308484   |                | 0.03       | 0.016                     | 9255    | 4936    | 4319                     | A     |         |         |        |   |
| 86 | AK | 106-OUT  | SE   | PINK | 373852   |                | 0.03       | 0.016                     | 11216   | 5982    | 5234                     | A     |         |         |        |   |
| 86 | AK | 106-OUT  | TR   | PINK | 3144     |                | 0.03       |                           | 94      | 0       | 94                       | A     |         |         |        |   |
| 86 | AK | 106-44   | GN   | PINK | 458      |                | 0.00       |                           | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 106-44   | TR   | PINK |          |                | 0.00       |                           | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 107-OUT  | SE   | PINK | 146945   |                |            |                           | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 107-OUT  | TR   | PINK | 1324     |                |            |                           | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 107-45   | GN   | PINK | 0        |                |            |                           | 0       | 0       | 0                        | A     |         |         |        |   |
| 86 | AK | 107-45   | SE   | PINK | 0        |                |            |                           | 0       | 0       | 0                        | A     |         |         |        |   |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area      | Gear | Spec | Catch   | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |             | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |     |           |             | Notes   |      |
|----|----|-----------|------|------|---------|------------------------------|-----------|--|-----------|-------------|--|-----|-----------|-------------|---------|------|
|    |    |           |      |      |         | Adjusted Catch               | U.S. Est. | Canndn Est.  | U.S. Est. | Canndn Est. | Diff   | CAT | U.S. Est. | Canndn Est. |         | Diff |
| a  | b  | c         | d    | e    | f       | g                            | h         | i  | k         | l           | m  | o   | p         | q           | r       | t    |
| 86 | AK | 107-45    | TR   | PINK |         |                              |           |  | 0         | 0           | 0  | A   |           |             |         |      |
| 86 | AK | 108-OUT   | GN   | PINK | 4901    |                              | 0.00      |  | 0         | 0           | 0  | A   |           |             |         |      |
| 86 | AK | 108-OUT   | TR   | PINK | 1       |                              | 0.00      |  | 0         | 0           | 0  | A   |           |             |         |      |
| 86 | AK | 108-45    | GN   | PINK | 67      |                              | 0.00      |  | 0         | 0           | 0  | A   |           |             |         |      |
| 86 | AK | 108-45    | TR   | PINK |         |                              |           |  | 0         | 0           | 0  | A   |           |             |         |      |
| 86 | AK | 152       | TR   | PINK | 45      |                              | 0.07      |  | 3         | 0           | 3  | A   |           |             |         |      |
| 86 | AK | ALL       | SP   | PINK |         |                              |           |  | 0         | 0           | 0  | A   | 2499290   | 2570604     | -71314  |      |
| 87 | BC | 1 OUT     | GN   | PINK | 411     |                              | 0.51      | 0.108  | 210       | 44          | 165  | C   |           |             |         |      |
| 87 | BC | 1 OUT     | SE   | PINK | 134041  |                              | 0.51      | 0.108  | 68361     | 14476       | 53884  | C   |           |             |         |      |
| 87 | BC | 1 IN      | GN   | PINK | 3       |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 1 IN      | SE   | PINK | 4       |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 101-4     | TR   | PINK | 9094    |                              | 0.72      | 0.658  | 6548      | 5984        | 564  | C   |           |             |         |      |
| 87 | BC | 101-7     | TR   | PINK | 1499838 |                              | 0.72      | 0.076  | 1079883   | 113988      | 965896   | C   |           |             |         |      |
| 87 | BC | 101-OTHER | TR   | PINK | 0       |                              | 0.72      | 0.220  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 2E        | GN   | PINK | 163     |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 2E        | SE   | PINK | 71      |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 2E        | TR   | PINK | 69867   |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 2W        | GN   | PINK | 0       |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 2W        | SE   | PINK | 222     |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 2W        | TR   | PINK | 742352  |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 3-(1)     | GN   | PINK | 17771   |                              | 0.45      | 0.055  | 7997      | 977         | 7020   | C   |           |             |         |      |
| 87 | BC | 3-(1)     | SE   | PINK | 318495  |                              | 0.45      | 0.055  | 143323    | 17517       | 125806   | C   |           |             |         |      |
| 87 | BC | 3-(2-4)   | GN   | PINK | 42688   |                              | 0.45      | 0.252  | 19210     | 10757       | 8452   | C   |           |             |         |      |
| 87 | BC | 3-(2-4)   | SE   | PINK | 1462979 |                              | 0.45      | 0.252  | 658341    | 368671      | 289670   | C   |           |             |         |      |
| 87 | BC | 3-(7-17)  | GN   | PINK | 122569  |                              | 0.59      | 0.195  | 72316     | 23901       | 48415  | C   |           |             |         |      |
| 87 | BC | 3-(7-17)  | SE   | PINK | 1715281 |                              | 0.59      | 0.195  | 1012016   | 334480      | 677536   | C   |           |             |         |      |
| 87 | BC | 3         | TR   | PINK | 157151  |                              | 0.45      | 0.055  | 70718     | 8643        | 62075  | C   |           |             |         |      |
| 87 | BC | 4-OUT     | GN   | PINK | 42805   |                              | 0.24      | 0.015  | 10273     | 642         | 9631   | C   |           |             |         |      |
| 87 | BC | 4-OUT     | SE   | PINK | 198639  |                              | 0.24      | 0.015  | 47673     | 2980        | 44694  | C   |           |             |         |      |
| 87 | BC | 4- IN     | GN   | PINK | 1409349 |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 4- IN     | SE   | PINK | 141841  |                              |           | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 4         | TR   | PINK | 51021   |                              | 0.24      | 0.015  | 12245     | 765         | 11480  | C   |           |             |         |      |
| 87 | BC | 5 OUT     | GN   | PINK | 5931    |                              | 0.19      | 0.018  | 1127      | 107         | 1020   | C   |           |             |         |      |
| 87 | BC | 5 OUT     | SE   | PINK | 3446    |                              | 0.19      | 0.018  | 655       | 62          | 593  | C   |           |             |         |      |
| 87 | BC | 5 IN      | GN   | PINK | 13072   |                              | 0.00      | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 5 IN      | SE   | PINK | 369095  |                              | 0.00      | 0.000  | 0         | 0           | 0  | C   |           |             |         |      |
| 87 | BC | 5         | TR   | PINK | 4587    |                              | 0.19      | 0.018  | 872       | 83          | 789  | C   | 3211766   | 904077      | 2307688 |      |
| 87 | AK | 101-OUT   | GN   | PINK | 583118  |                              | 0.08      | 0.630  | 46649     | 367364      | -320715  | A   |           |             |         |      |
| 87 | AK | 101-OUT   | SE   | PINK | 871949  |                              | 0.08      | 0.168  | 69756     | 146487      | -76732   | A   |           |             |         |      |
| 87 | AK | 101-OUT   | TR   | PINK | 10549   |                              | 0.08      | 0.168  | 844       | 1772        | -928   | A   |           |             |         |      |
| 87 | AK | 101 ANN   | GN   | PINK | 223285  |                              | 0.08      | 0.168  | 17863     | 37512       | -19649   | A   |           |             |         |      |
| 87 | AK | 101 ANN   | SE   | PINK | 28584   |                              | 0.08      | 0.168  | 2287      | 4802        | -2515  | A   |           |             |         |      |
| 87 | AK | 101 ANN   | OG   | PINK | 83087   |                              | 0.10      | 0.168  | 8309      | 13959       | -5650  | A   |           |             |         |      |
| 87 | AK | 101 TERM  | GN   | PINK | 150     |                              | 0.00      | 0.000  | 0         | 0           | 0  | A   |           |             |         |      |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area      | Gear | Spec | Catch   | Adjusted<br>Catch | PROP BOUND FOR<br>OTHER COUNTRY |                | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                |         | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |              |                | Notes   |      |
|----|----|-----------|------|------|---------|-------------------|---------------------------------|----------------|--|----------------|---------|--|--------------|----------------|---------|------|
|    |    |           |      |      |         |                   | U.S.<br>Est.                    | Canchn<br>Est. | U.S.<br>Est.   | Canchn<br>Est. | Diff    | CAT  | U.S.<br>Est. | Canchn<br>Est. |         | Diff |
| a  | b  | c         | d    | e    | f       | g                 | h                               | i              | k  | l              | m       | o  | p            | q              | r       | t    |
| 87 | AK | 101       | TERM | SE   | PINK    | 201               | 0.00                            | 0.000          | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 101       | TERM | TR   | PINK    |                   | 0.00                            | 0.000          | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK |           | 102  | GN   | PINK    | 0                 | 0.03                            | 0.168          | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK |           | 102  | SE   | PINK    | 400527            | 0.03                            | 0.168          | 12016  | 67289          | -55273  | A  |              |                |         |      |
| 87 | AK |           | 102  | TR   | PINK    | 6589              | 0.03                            | 0.168          | 198  | 1107           | -909    | A  |              |                |         |      |
| 87 | AK |           | 103  | SE   | PINK    | 225427            | 0.00                            | 0.047          | 0  | 10595          | -10595  | A  |              |                |         |      |
| 87 | AK |           | 103  | TR   | PINK    | 8946              | 0.00                            | 0.047          | 0  | 420            | -420    | A  |              |                |         |      |
| 87 | AK |           | 104  | SE   | PINK    | 1674018           | 0.07                            | 0.220          | 117181   | 368284         | -251103 | A  |              |                |         |      |
| 87 | AK |           | 104  | TR   | PINK    | 59333             | 0.07                            | 0.220          | 4153   | 13053          | -8900   | A  |              |                |         |      |
| 87 | AK |           | 105  | SE   | PINK    | 0                 | 0.00                            | 0.000          | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK |           | 105  | TR   | PINK    | 4073              | 0.00                            | 0.000          | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 106-OUT   | GN   | PINK | 243482  |                   | 0.03                            | 0.047          | 7304   | 11444          | -4139   | A  |              |                |         |      |
| 87 | AK | 106-OUT   | SE   | PINK | 0       |                   | 0.03                            | 0.047          | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 106-OUT   | TR   | PINK | 2756    |                   | 0.03                            | 0.047          | 83   | 130            | -47     | A  |              |                |         |      |
| 87 | AK | 106-44    | GN   | PINK | 228     |                   | 0.00                            |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 106-44    | TR   | PINK |         |                   | 0.00                            |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 107-OUT   | SE   | PINK | 0       |                   |                                 |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 107-OUT   | TR   | PINK | 1561    |                   |                                 |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 107-45    | GN   | PINK | 0       |                   |                                 |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 107-45    | SE   | PINK | 0       |                   |                                 |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 107-45    | TR   | PINK |         |                   |                                 |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 108-OUT   | GN   | PINK | 3331    |                   | 0.00                            |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 108-OUT   | TR   | PINK | 0       |                   | 0.00                            |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 108-45    | GN   | PINK | 0       |                   | 0.00                            |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 108-45    | TR   | PINK |         |                   |                                 |                | 0  | 0              | 0       | A  |              |                |         |      |
| 87 | AK | 152       | TR   | PINK | 6484    |                   | 0.07                            |                | 454  | 0              | 454     | A  |              |                |         |      |
| 87 | AK | ALL       | SP   | PINK |         |                   |                                 |                | 0  | 0              | 0       | A  | 287097       | 1044218        | -757121 |      |
| 88 | BC | 1         | OUT  | GN   | PINK    | 0                 | 0.51                            | 0.508          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 1         | OUT  | SE   | PINK    | 58050             | 0.51                            | 0.508          | 29606  | 29489          | 116     | C  |              |                |         |      |
| 88 | BC | 1         | IN   | GN   | PINK    | 414               |                                 | 0.000          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 1         | IN   | SE   | PINK    | 64245             |                                 | 0.000          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 101-4     | TR   | PINK | 26611   |                   | 0.72                            | 0.855          | 19160  | 22752          | -3592   | C  |              |                |         |      |
| 88 | BC | 101-7     | TR   | PINK | 1159997 |                   | 0.72                            | 0.201          | 835198   | 233159         | 602038  | C  |              |                |         |      |
| 88 | BC | 101-OTHER | TR   | PINK | 859207  |                   | 0.72                            | 0.463          | 618629   | 397813         | 220816  | C  |              |                |         |      |
| 88 | BC | 2E        | GN   | PINK | 2873    |                   |                                 | 0.000          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 2E        | SE   | PINK | 135372  |                   |                                 | 0.000          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 2E        | TR   | PINK | 47323   |                   |                                 | 0.000          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 2W        | GN   | PINK | 338     |                   |                                 | 0.000          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 2W        | SE   | PINK | 68477   |                   |                                 | 0.000          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 2W        | TR   | PINK | 66495   |                   |                                 | 0.000          | 0  | 0              | 0       | C  |              |                |         |      |
| 88 | BC | 3-(1)     | GN   | PINK | 10583   |                   | 0.45                            | 0.284          | 4762   | 3006           | 1757    | C  |              |                |         |      |
| 88 | BC | 3-(1)     | SE   | PINK | 235232  |                   | 0.45                            | 0.284          | 105854   | 66806          | 39049   | C  |              |                |         |      |
| 88 | BC | 3-(2-4)   | GN   | PINK | 7147    |                   | 0.45                            | 0.355          | 3216   | 2537           | 679     | C  |              |                |         |      |
| 88 | BC | 3-(2-4)   | SE   | PINK | 167025  |                   | 0.45                            | 0.355          | 75161  | 59294          | 15867   | C  |              |                |         |      |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR | Ju | Area     | Gear | Spec | Catch   | PROP BOUND FOR |      | -- CATCH OF FISH BOUND -- |        |        | ----- INTERCEPTION ----- |      |                          | Notes  |        |   |
|----|----|----------|------|------|---------|----------------|------|---------------------------|--------|--------|--------------------------|------|--------------------------|--------|--------|---|
|    |    |          |      |      |         | Adjusted       | U.S. | U.S.                      | Canchn | U.S.   | Canchn                   | Diff | --- CATEGORY SUMMARY --- |        |        |   |
| a  | b  | c        | d    | e    | f       | Catch          | Est. | Est.                      | Est.   | Est.   | Diff                     | CAT  | U.S.                     | Canchn | Diff   | t |
|    |    |          |      |      |         | g              | h    | i                         | k      | l      | m                        | o    | p                        | q      | r      |   |
| 88 | BC | 3-(7-17) | GN   | PINK | 17185   |                | 0.59 | 0.280                     | 10139  | 4812   | 5327                     | C    |                          |        |        |   |
| 88 | BC | 3-(7-17) | SE   | PINK | 125311  |                | 0.59 | 0.280                     | 73933  | 35087  | 38846                    | C    |                          |        |        |   |
| 88 | BC | 3        | TR   | PINK | 17776   |                | 0.45 | 0.284                     | 7999   | 5048   | 2951                     | C    |                          |        |        |   |
| 88 | BC | 4-OUT    | GN   | PINK | 13364   |                | 0.24 | 0.170                     | 3207   | 2272   | 935                      | C    |                          |        |        |   |
| 88 | BC | 4-OUT    | SE   | PINK | 25929   |                | 0.24 | 0.170                     | 6223   | 4408   | 1815                     | C    |                          |        |        |   |
| 88 | BC | 4- IN    | GN   | PINK | 443844  |                |      | 0.000                     | 0      | 0      | 0                        | C    |                          |        |        |   |
| 88 | BC | 4- IN    | SE   | PINK | 127114  |                |      | 0.000                     | 0      | 0      | 0                        | C    |                          |        |        |   |
| 88 | BC | 4        | TR   | PINK | 25102   |                | 0.24 | 0.170                     | 6024   | 4267   | 1757                     | C    |                          |        |        |   |
| 88 | BC | 5 OUT    | GN   | PINK | 4482    |                | 0.19 | 0.140                     | 852    | 627    | 224                      | C    |                          |        |        |   |
| 88 | BC | 5 OUT    | SE   | PINK | 428     |                | 0.19 | 0.140                     | 81     | 60     | 21                       | C    |                          |        |        |   |
| 88 | BC | 5 IN     | GN   | PINK | 10965   |                | 0.00 | 0.000                     | 0      | 0      | 0                        | C    |                          |        |        |   |
| 88 | BC | 5 IN     | SE   | PINK | 321268  |                | 0.00 | 0.000                     | 0      | 0      | 0                        | C    |                          |        |        |   |
| 88 | BC | 5        | TR   | PINK | 15028   |                | 0.19 | 0.140                     | 2855   | 2104   | 751                      | C    | 1802901                  | 873542 | 929359 |   |
| 88 | AK | 101-OUT  | GN   | PINK | 230472  |                | 0.08 | 0.375                     | 18438  | 86427  | -67989                   | A    |                          |        |        |   |
| 88 | AK | 101-OUT  | SE   | PINK | 1501638 |                | 0.08 | 0.069                     | 120131 | 103613 | 16518                    | A    |                          |        |        |   |
| 88 | AK | 101-OUT  | TR   | PINK | 20813   |                | 0.08 | 0.069                     | 1665   | 1436   | 229                      | A    |                          |        |        |   |
| 88 | AK | 101 ANN  | GN   | PINK | 364426  |                | 0.08 | 0.069                     | 29154  | 25145  | 4009                     | A    |                          |        |        |   |
| 88 | AK | 101 ANN  | SE   | PINK | 491507  |                | 0.08 | 0.069                     | 39321  | 33914  | 5407                     | A    |                          |        |        |   |
| 88 | AK | 101 ANN  | OG   | PINK | 34312   |                | 0.10 | 0.069                     | 3431   | 2368   | 1064                     | A    |                          |        |        |   |
| 88 | AK | 101 TERM | GN   | PINK | 1007    |                | 0.00 | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 101 TERM | SE   | PINK | 43185   |                | 0.00 | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 101 TERM | TR   | PINK |         |                | 0.00 | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 102      | GN   | PINK | 19771   |                | 0.03 | 0.059                     | 593    | 1166   | -573                     | A    |                          |        |        |   |
| 88 | AK | 102      | SE   | PINK | 1305168 |                | 0.03 | 0.059                     | 39155  | 77005  | -37850                   | A    |                          |        |        |   |
| 88 | AK | 102      | TR   | PINK | 8852    |                | 0.03 | 0.059                     | 266    | 522    | -257                     | A    |                          |        |        |   |
| 88 | AK | 103      | SE   | PINK | 1118873 |                | 0.00 | 0.031                     | 0      | 34685  | -34685                   | A    |                          |        |        |   |
| 88 | AK | 103      | TR   | PINK | 19593   |                | 0.00 | 0.031                     | 0      | 607    | -607                     | A    |                          |        |        |   |
| 88 | AK | 104      | SE   | PINK | 3543934 |                | 0.07 | 0.156                     | 248075 | 552854 | -304778                  | A    |                          |        |        |   |
| 88 | AK | 104      | TR   | PINK | 130306  |                | 0.07 | 0.156                     | 9121   | 20328  | -11206                   | A    |                          |        |        |   |
| 88 | AK | 105      | SE   | PINK | 18592   |                | 0.00 | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 105      | TR   | PINK | 17327   |                | 0.00 | 0.000                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 106-OUT  | GN   | PINK | 69499   |                | 0.03 | 0.031                     | 2085   | 2154   | -69                      | A    |                          |        |        |   |
| 88 | AK | 106-OUT  | SE   | PINK | 0       |                | 0.03 | 0.031                     | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 106-OUT  | TR   | PINK | 5117    |                | 0.03 | 0.031                     | 154    | 159    | -5                       | A    |                          |        |        |   |
| 88 | AK | 106-44   | GN   | PINK | 60      |                | 0.00 |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 106-44   | TR   | PINK |         |                | 0.00 |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 107-OUT  | SE   | PINK | 0       |                |      |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 107-OUT  | TR   | PINK | 1236    |                |      |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 107-45   | GN   | PINK | 0       |                |      |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 107-45   | SE   | PINK | 0       |                |      |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 107-45   | TR   | PINK |         |                |      |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 108-OUT  | GN   | PINK | 144     |                | 0.00 |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 108-OUT  | TR   | PINK | 0       |                | 0.00 |                           | 0      | 0      | 0                        | A    |                          |        |        |   |
| 88 | AK | 108-45   | GN   | PINK | 1       |                | 0.00 |                           | 0      | 0      | 0                        | A    |                          |        |        |   |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY PINK INTERCEPTIONS 1980-88

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND -<br>-- FOR OTHER COUNTRY -- |                   |                    | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |          |                   |                    | Notes<br>t |           |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|---|-------------------|--------------------|--|----------|-------------------|--------------------|------------|-----------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Candn<br>Est.<br>i                                  | U.S.<br>Est.<br>k | Candn<br>Est.<br>l | Diff<br>m  | CAT<br>o | U.S.<br>Est.<br>p | Candn<br>Est.<br>q |            | Diff<br>r |
| 88      | AK      | 108-45    | TR        | PINK      |            |                                 |                   |   | 0                 | 0                  | 0  | A        |                   |                    |            |           |
| 88      | AK      | 152       | TR        | PINK      | 3734       |                                 | 0.07              |   | 261               | 0                  | 261  | A        |                   |                    |            |           |
| 88      | AK      | ALL       | SP        | PINK      |            |                                 |                   |   | 0                 | 0                  | 0  | A        | 511850            | 942384             | -430534    |           |

## UNITED STATES NORTHERN BOUNDARY NOTES - PINK SALMON

### Catches:

Catches from Alaskan commercial fisheries for all species are taken from ADF&G's RUNTIME catch database, updated as of October, 1989. Catch strata include all south Southeast Alaska fishery districts (101 through 108) for each applicable gear type plus the District 152 troll fishery.

### Strata Definitions for Specific Alaskan Areas:

101-OUT GN,SE,TR Excludes "terminal area" catches in hatchery special harvest areas (Naket Inlet SHA - 101-10 and Neets Bay SHA - 101-95).

101 ANN GN,SE,OG Catches in the Annette Island Fishery Reserve (Districts 101-24, 26, 28, and 42).

101 TERM GN,SE,TR Catches in the special harvest areas (Naket Inlet SHA - 101-10 and Neets Bay SHA - 101-95).

106-OUT GN,SE,TR Excludes catches in Wrangell Narrows adjacent to Crystal Lake Hatchery (106-44).

106-44 GN,TR Catches in Wrangell Narrows adjacent to the Crystal Lake Hatchery.

107-OUT SE,TR Excludes catches in the Earl West Cove special harvest area (107-45).

107-45 GN,SE,TR Catches in the Earl West Cove special harvest area.

108-OUT GN,TR Excludes catches in Blind Slough (108-45).

108-45 GN,TR Catches in Blind Slough.

### Interceptions:

The average of the interception estimates for the three tagging years was used for all non-tagging years (1980, 1981, 1983, 1986, 1987, and 1988). Interception estimates for 1982, 1984, and 1985 were based on U.S. analysis of joint adult tagging research conducted in these years (Pella et al 1988).

### References:

Pella, M. Hoffman, S. Hoffman, S. Nelson, and L. Talley. September 1988. Analysis of the adult tagging experiments on pink and sockeye salmon in the boundary area of northern British Columbia and southern Southeast Alaska during 1982 to 1985. Unpublished report of the National Marine Fisheries Service, Auke Bay Laboratory, and the Alaska Department of Fish and Game, Douglas.)

## CANADIAN NORTHERN BOUNDARY NOTES - PINK SALMON

### Catches:

B.C. Commercial catches of pink represent sales slip data from publications of B.C. Catch Statistics (CDFO 1980-1987). The 1988 data is preliminary sales slip data. Areas 3, 4 and 5 have been partitioned into outside and inside catches using sales slip data to prorate inseason sub-area hail data. Area 3 catch data is separated into sub-areas 3(-1), 3(2-4) and 3(7-17) and Area 5 outside sub-areas, 5(10-12) are separated from inside sub-areas for all years, 1980-1988. Area 4 outer sub-areas, 4(1-3,-13) are separated from the rest of Area 4 for years 1984-1988. (Area 4 hail data was not collected by sub-area prior to 1984). Area 1 is partitioned into outside and inside catches for 1984-1988. No terminal fisheries were conducted in Area 1 during the period 1980-1983.

U.S. catch statistics were provided by the ADF&G. U.S. catch strata were also subdivided into outside and terminal catch areas.

### Interceptions:

Odd and even year pink salmon are intercepted at different rates by Southeast Alaska and northern B.C. fisheries (Anon 1965; Hollett 1970; English *et al.* 1985b, 1985d, Taylor *et al.* 1986). For odd years, Alaskan interceptions of B.C. (Northern Boundary) pinks are based on annual interception rates from the 1985 North Coast Salmon Tagging Project (Taylor *et al.* 1986). For odd years other than the 1985 tagging year, interception rates in each fishery were adjusted for relative changes in B.C. and Alaskan pink abundance. Annual abundance estimates are the sum of escapements and total catches in Canadian and U.S. interception areas. Areas 1, 3, 4 and 5 escapements are from CDFO escapement databases. Alaskan escapement estimates are peak counts provided by G. Oliver, ADFG. (Dec.28, 1988). These were doubled to provide total southern southeast Alaska escapements.

For even years, Alaskan interceptions of B.C. (Northern Boundary) pinks are based on averaged annual interception rates from 1982 and 1984 Northern Boundary pink salmon tagging (English *et al.* 1985b, 1985d, draft 1989). For even years other than the 1982 and 1984 tagging years, interception rates in each fishery were adjusted for relative changes in B.C. and Alaskan pink abundance.

For odd years, B.C. interceptions of Alaskan pinks are based on annual interception rates from the 1985 North Coast Salmon Tagging Project (Taylor *et al.* 1986), adjusted for fluctuations in abundance. The 1985 tagging study provided interception rates for Area 1 troll, partitioned into three zones. These zones included groupings of subareas 1) near the A-B line, 2) through the central portion of Dixon Entrance, and 3) across the top end of the Queen Charlotte Islands. Hail catch data for these three zones is available for 1984 to 1987. For earlier years, averages of the hail proportions for 1984-1987 were applied to the Area 1 total troll catch each year (from published sales slip data).

For even years, B.C. interceptions of Alaskan pinks are based on averaged annual interception rates from 1982 and 1984 Northern Boundary pink salmon tagging (English *et al.* 1985b, 1985d), adjusted for fluctuations in abundance. The Area 1 troll interception estimates by grouped management subareas were based on 1985 tagging as described above. Adjustment for abundance in years other than the 1982 and 1984 tagging years is described above.

For certain fisheries, no interception estimates were available. Where appropriate, interception estimates from similar fisheries were applied, otherwise the interception rate was left blank. Some examples follow: The interception rate for Area 1 was applied to outside Area 1 catch, while the inside interceptions were assumed to be zero. For Area 4, the interception rates were calculated from tagging data for the outer portion of Area 4. For the years 1984-1988, when data for both outside and inside Area 4 are available, this

rate is applied to the outside catch and zero interceptions are assumed for more terminal, inside catches. For the years 1980-1983, when only total Area 4 catch is available, the catch was apportioned into outside and inside divisions based on the proportion of the catch taken in each division by gear type. Similarly, the outer Area 5 tagging rate was applied to outside sockeye catches and the inside rate was assumed to be zero.

New catch strata for which there were no interception rates included:

Canadian fisheries - Interceptions in Area 2E gillnet, seine and troll and Area 2W gillnet, seine and troll were assumed to be zero. For troll strata in Areas 3, 4 and 5, the interception rate for outside net areas was applied.

Alaskan fisheries - For District 101-outside troll, we applied the District 101-outside seine rate. For all District 101 Annette Island fisheries (gillnet, seine, other), the District 101-outside seine rate was also applied. For all District 101 terminal fisheries (gillnet, seine and troll), interceptions were assumed to be zero. For District 102 gillnet and troll, the District 102 seine rate was applied. Districts 103 and 104 seine rates were utilized for the troll fisheries in these strata. District 105 was assumed to have zero interceptions. The following strata were left blank: Districts 106-44, 107-out, 107-45, 108-45 and 152 troll (interceptions to be determined).

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- ENGLISH, K.K, W.J. GAZEY, B. RIDDELL, J.A. TAYLOR and M.A. HENDERSON. (1989). Interception rates for sockeye and pink salmon stocks in northern British Columbia and southeast Alaska fisheries derived from mark-recapture studies 1982-1984. Draft for submission to the Canadian Journal of Fisheries and Aquatic Sciences.
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- HOLLETT, E.L. (1970). Summary of salmon tagging in Dixon Entrance and Hecate Strait in 1968. Technical Report 1970-13. Canada Department of Fisheries and Forestry, Fisheries Service, Pacific Region. 26 p.

**INTERCEPTION ESTIMATES: NORTHERN BOUNDARY CHUM**

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju | Area | Gear     | Spec | Catch | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |        |      | ---- INTERCEPTION ---- |       |        |       | Hatchery |       |       |          |
|----|----|------|----------|------|-------|----------------|---------------|---------------------------|--------|------|------------------------|-------|--------|-------|----------|-------|-------|----------|
|    |    |      |          |      |       | Adjusted       | OTHER COUNTRY | U.S.                      | Canndn | U.S. | Canndn                 | Diff  | CAT    | U.S.  | Canndn   | Diff  | Notes | Contrib. |
| a  | b  | c    | d        | e    | f     | g              | h             | i                         | k      | l    | m                      | o     | p      | q     | r        | t     | u     |          |
| 80 | BC | 1    | OUT      | GN   | CHUM  | 2622           |               |                           | 0.08   | 0.08 |                        | 210   | 210    | 0     | C        |       |       |          |
| 80 | BC | 1    | OUT      | SE   | CHUM  | 8020           |               |                           | 0.08   | 0.08 |                        | 642   | 642    | 0     | C        |       |       |          |
| 80 | BC | 1    | IN       | GN   | CHUM  |                |               |                           | 0.00   | 0.00 |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC | 1    | IN       | SE   | CHUM  |                |               |                           | 0.00   | 0.00 |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      | 1        | TR   | CHUM  | 9158           |               |                           | 0.25   | 0.16 |                        | 2290  | 1465   | 824   | C        |       |       |          |
| 80 | BC |      | 2E       | GN   | CHUM  | 94451          |               |                           | 0.00   | 0.00 |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      | 2E       | SE   | CHUM  | 23559          |               |                           | 0.00   | 0.00 |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      | 2E       | TR   | CHUM  | 815            |               |                           | 0.00   | 0.00 |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      | 2W       | GN   | CHUM  | 18013          |               |                           | 0.00   | 0.00 |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      | 2W       | SE   | CHUM  | 36082          |               |                           | 0.00   | 0.00 |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      | 2W       | TR   | CHUM  | 1685           |               |                           | 0.00   | 0.00 |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      | 3-(1)    | GN   | CHUM  | 12297          |               |                           | 0.50   | 0.43 |                        | 6149  | 5288   | 861   | C        |       |       |          |
| 80 | BC |      | 3-(1)    | SE   | CHUM  | 4191           |               |                           | 0.50   | 0.43 |                        | 2096  | 1802   | 293   | C        |       |       |          |
| 80 | BC |      | 3-(2-4)  | GN   | CHUM  | 24258          |               |                           | 0.50   | 0.21 |                        | 12129 | 5094   | 7035  | C        |       |       |          |
| 80 | BC |      | 3-(2-4)  | SE   | CHUM  | 45834          |               |                           | 0.50   | 0.21 |                        | 22917 | 9625   | 13292 | C        |       |       |          |
| 80 | BC |      | 3-(7-17) | GN   | CHUM  | 167513         |               |                           | 0.22   | 0.22 |                        | 36853 | 36853  | 0     | C        |       |       |          |
| 80 | BC |      | 3-(7-17) | SE   | CHUM  | 47601          |               |                           | 0.22   | 0.22 |                        | 10472 | 10472  | 0     | C        |       |       |          |
| 80 | BC |      | 3        | TR   | CHUM  | 1641           |               |                           | 0.50   | 0.32 |                        | 821   | 525    | 295   | C        |       |       |          |
| 80 | BC |      | 4        | GN   | CHUM  | 67546          |               |                           | 0.04   |      |                        | 2702  | 0      | 2702  | C        |       |       |          |
| 80 | BC |      | 4        | SE   | CHUM  | 3124           |               |                           | 0.04   |      |                        | 125   | 0      | 125   | C        |       |       |          |
| 80 | BC |      |          |      | CHUM  |                |               |                           | 0.04   |      |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      |          |      | CHUM  |                |               |                           | 0.04   |      |                        | 0     | 0      | 0     | C        |       |       |          |
| 80 | BC |      | 4        | TR   | CHUM  | 286            |               |                           | 0.04   |      |                        | 11    | 0      | 11    | C        |       |       |          |
| 80 | BC |      | 5        | OUT  | GN    | CHUM           | 28163         |                           | 0.04   | 0.25 |                        | 1127  | 7041   | -5914 | C        |       |       |          |
| 80 | BC |      | 5        | OUT  | SE    | CHUM           | 2812          |                           | 0.04   | 0.25 |                        | 112   | 703    | -591  | C        |       |       |          |
| 80 | BC |      | 5        | IN   | GN    | CHUM           | 4968          |                           | 0.04   | 0.00 |                        | 199   | 0      | 199   | C        |       |       |          |
| 80 | BC |      | 5        | IN   | SE    | CHUM           | 3937          |                           | 0.04   | 0.00 |                        | 157   | 0      | 157   | C        |       |       |          |
| 80 | BC |      | 5        | TR   | CHUM  | 95             |               |                           | 0.04   |      |                        | 4     | 0      | 4     | C        | 99014 | 79720 | 19294    |
| 80 | AK |      | 101-OUT  | GN   | CHUM  | 155118         |               | 0.15                      | 0.15   |      | 23268                  | 23268 | 0      | A     |          |       |       |          |
| 80 | AK |      | 101-OUT  | SE   | CHUM  | 178605         |               |                           | 0.05   |      |                        | 8930  | 0      | 8930  | A        |       |       |          |
| 80 | AK |      | 101-OUT  | TR   | CHUM  | 423            |               |                           | 0.05   |      |                        | 21    | 0      | 21    | A        |       |       |          |
| 80 | AK |      | 101 ANN  | GN   | CHUM  | 38763          |               |                           | 0.05   |      |                        | 1938  | 0      | 1938  | A        |       |       |          |
| 80 | AK |      | 101 ANN  | SE   | CHUM  | 17272          |               |                           | 0.05   |      |                        | 864   | 0      | 864   | A        |       |       |          |
| 80 | AK |      | 101 ANN  | OG   | CHUM  | 1013           |               |                           | 0.05   |      |                        | 51    | 0      | 51    | A        |       |       |          |
| 80 | AK |      | 101 TERM | GN   | CHUM  | 0              |               |                           | 0.00   |      |                        | 0     | 0      | 0     | A        |       |       |          |
| 80 | AK |      | 101 TERM | SE   | CHUM  | 0              |               |                           | 0.00   |      |                        | 0     | 0      | 0     | A        |       |       |          |
| 80 | AK |      | 101 TERM | TR   | CHUM  | 0              |               |                           | 0.00   |      |                        | 0     | 0      | 0     | A        |       |       |          |
| 80 | AK |      | 102      | GN   | CHUM  | 0              |               |                           | 0.05   |      |                        | 0     | 0      | 0     | A        |       |       |          |
| 80 | AK |      | 102 SUMM | SE   | CHUM  | 95850          |               |                           | 0.05   |      |                        | 4793  | 0      | 4793  | A        |       |       |          |
| 80 | AK |      | 102 FALL | SE   | CHUM  | 36489          |               |                           | 0.00   |      |                        | 0     | 0      | 0     | A        |       |       |          |
| 80 | AK |      | 102      | TR   | CHUM  | 661            |               |                           | 0.05   |      |                        | 33    | 0      | 33    | A        |       |       |          |
| 80 | AK |      | 103      | SE   | CHUM  | 87526          |               |                           | 0.00   |      |                        | 0     | 0      | 0     | A        |       |       |          |
| 80 | AK |      | 103      | TR   | CHUM  | 163            |               |                           | 0.00   |      |                        | 0     | 0      | 0     | A        |       |       |          |
| 80 | AK |      | 104      | SE   | CHUM  | 178053         |               | 0.25                      | 0.15   |      | 26708                  | 44513 | -17805 | A     |          |       |       |          |

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Revised 1/24/90

| YR | Ju<br>a | Area<br>b | Gear<br>c | Spec<br>d | Catch<br>e | Adjusted<br>Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                    | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                    |           | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |                   |                    | Hatchery<br>Contrib. |            |
|----|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|--|--------------------|-----------|--|-------------------|--------------------|----------------------|------------|
|    |         |           |           |           |            |                        | U.S.<br>Est.<br>g               | Candn<br>Est.<br>h | U.S.<br>Est.<br>k                                    | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r            | Notes<br>t |
| 80 | AK      | 104       | TR        | CHUM      | 198        |                        | 0.15                            | 0.25               | 30   | 50                 | -20       | A  |                   |                    |                      |            |
| 80 | AK      | 105       | SE        | CHUM      | 17424      |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 105       | TR        | CHUM      | 27         |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 106-OUT   | GN        | CHUM      | 26269      |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 106-OUT   | SE        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 106-OUT   | TR        | CHUM      | 30         |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 106-44    | GN        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 106-44    | TR        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 107-OUT   | SE        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 107-OUT   | TR        | CHUM      | 19         |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 107-45    | GN        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 107-45    | SE        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 107-45    | TR        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 108-OUT   | GN        | CHUM      | 6910       |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 108-OUT   | TR        | CHUM      | 5          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 108-45    | GN        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 108-45    | TR        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 80 | AK      | 152       | TR        | CHUM      | 584        |                        | 0.15                            | 0.25               | 88   | 146                | -58       | A  |                   |                    |                      |            |
| 80 | AK      | ALL       | SP        | CHUM      |            |                        | 0.00                            |                    | 0  | 0                  | 0         | A  | 66722             | 67976              | -1254                |            |
| 81 | BC      | 1 OUT     | GN        | CHUM      | 6386       |                        | 0.08                            | 0.08               | 511  | 511                | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 1 OUT     | SE        | CHUM      | 10296      |                        | 0.08                            | 0.08               | 824  | 824                | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 1 IN      | GN        | CHUM      |            |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 1 IN      | SE        | CHUM      |            |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 1         | TR        | CHUM      | 4421       |                        | 0.25                            | 0.16               | 1105   | 707                | 398       | C  |                   |                    |                      |            |
| 81 | BC      | 2E        | GN        | CHUM      | 34215      |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 2E        | SE        | CHUM      | 2559       |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 2E        | TR        | CHUM      | 725        |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 2W        | GN        | CHUM      | 428        |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 2W        | SE        | CHUM      | 5670       |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 2W        | TR        | CHUM      | 1394       |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 3-(1)     | GN        | CHUM      | 6952       |                        | 0.50                            | 0.43               | 3476   | 2989               | 487       | C  |                   |                    |                      |            |
| 81 | BC      | 3-(1)     | SE        | CHUM      | 2977       |                        | 0.50                            | 0.43               | 1489   | 1280               | 208       | C  |                   |                    |                      |            |
| 81 | BC      | 3-(2-4)   | GN        | CHUM      | 1571       |                        | 0.50                            | 0.21               | 786  | 330                | 456       | C  |                   |                    |                      |            |
| 81 | BC      | 3-(2-4)   | SE        | CHUM      | 11521      |                        | 0.50                            | 0.21               | 5761   | 2419               | 3341      | C  |                   |                    |                      |            |
| 81 | BC      | 3-(7-17)  | GN        | CHUM      | 14412      |                        | 0.22                            | 0.22               | 3171   | 3171               | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 3-(7-17)  | SE        | CHUM      | 6476       |                        | 0.22                            | 0.22               | 1425   | 1425               | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 3         | TR        | CHUM      | 605        |                        | 0.50                            | 0.32               | 303  | 194                | 109       | C  |                   |                    |                      |            |
| 81 | BC      | 4         | GN        | CHUM      | 35226      |                        | 0.04                            |                    | 1409   | 0                  | 1409      | C  |                   |                    |                      |            |
| 81 | BC      | 4         | SE        | CHUM      | 7736       |                        | 0.04                            |                    | 309  | 0                  | 309       | C  |                   |                    |                      |            |
| 81 | BC      |           | GN        | CHUM      |            |                        | 0.04                            |                    | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      |           | SE        | CHUM      |            |                        | 0.04                            |                    | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 81 | BC      | 4         | TR        | CHUM      | 270        |                        | 0.04                            |                    | 11   | 0                  | 11        | C  |                   |                    |                      |            |
| 81 | BC      | 5 OUT     | GN        | CHUM      | 5974       |                        | 0.04                            | 0.25               | 239  | 1494               | -1255     | C  |                   |                    |                      |            |
| 81 | BC      | 5 OUT     | SE        | CHUM      | 201        |                        | 0.04                            | 0.25               | 8  | 50                 | -42       | C  |                   |                    |                      |            |

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| YR | Ju | Area     | Gear | Spec | Catch  | Adjusted Catch | PROP BOUND FOR OTHER COUNTRY |            | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |            |       | ----- INTERCEPTION -----<br>----- CATEGORY SUMMARY ----- |           |            | Hatchery Contrib. |      |       |
|----|----|----------|------|------|--------|----------------|------------------------------|------------|--|------------|-------|--|-----------|------------|-------------------|------|-------|
|    |    |          |      |      |        |                | U.S. Est.                    | Candn Est. | U.S. Est.  | Candn Est. | Diff  | CAT  | U.S. Est. | Candn Est. |                   | Diff | Notes |
| a  | b  | c        | d    | e    | f      | g              | h                            | i          | k  | l          | m     | o  | p         | q          | r                 | t    | u     |
| 81 | BC | 5        | IN   | GN   | CHUM   | 1935           | 0.04                         | 0.00       | 77   | 0          | 77    | C  |           |            |                   |      |       |
| 81 | BC | 5        | IN   | SE   | CHUM   | 906            | 0.04                         | 0.00       | 36   | 0          | 36    | C  |           |            |                   |      |       |
| 81 | BC | 5        | TR   | CHUM | 40     |                | 0.04                         |            | 2  | 0          | 2     | C  | 20940     | 15393      | 5546              |      |       |
| 81 | AK | 101-OUT  | GN   | CHUM | 38337  |                | 0.15                         | 0.15       | 5751   | 5751       | 0     | A  |           |            |                   |      |       |
| 81 | AK | 101-OUT  | SE   | CHUM | 28257  |                | 0.05                         |            | 1413   | 0          | 1413  | A  |           |            |                   |      |       |
| 81 | AK | 101-OUT  | TR   | CHUM | 261    |                | 0.05                         |            | 13   | 0          | 13    | A  |           |            |                   |      |       |
| 81 | AK | 101 ANN  | GN   | CHUM | 24226  |                | 0.05                         |            | 1211   | 0          | 1211  | A  |           |            |                   |      |       |
| 81 | AK | 101 ANN  | SE   | CHUM | 4735   |                | 0.05                         |            | 237  | 0          | 237   | A  |           |            |                   |      |       |
| 81 | AK | 101 ANN  | OG   | CHUM | 1199   |                | 0.05                         |            | 60   | 0          | 60    | A  |           |            |                   |      |       |
| 81 | AK | 101 TERM | GN   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 101 TERM | SE   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 101 TERM | TR   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 102      | GN   | CHUM | 0      |                | 0.05                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 102 SUMM | SE   | CHUM | 20534  |                | 0.05                         |            | 1027   | 0          | 1027  | A  |           |            |                   |      |       |
| 81 | AK | 102 FALL | SE   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 102      | TR   | CHUM | 149    |                | 0.05                         |            | 7  | 0          | 7     | A  |           |            |                   |      |       |
| 81 | AK | 103      | SE   | CHUM | 107390 |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 103      | TR   | CHUM | 131    |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 104      | SE   | CHUM | 69091  |                | 0.15                         | 0.25       | 10364  | 17273      | -6909 | A  |           |            |                   |      |       |
| 81 | AK | 104      | TR   | CHUM | 721    |                | 0.15                         | 0.25       | 108  | 180        | -72   | A  |           |            |                   |      |       |
| 81 | AK | 105      | SE   | CHUM | 12837  |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 105      | TR   | CHUM | 115    |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 106-OUT  | GN   | CHUM | 34571  |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 106-OUT  | SE   | CHUM | 4051   |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 106-OUT  | TR   | CHUM | 33     |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 106-44   | GN   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 106-44   | TR   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 107-OUT  | SE   | CHUM | 396    |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 107-OUT  | TR   | CHUM | 99     |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 107-45   | GN   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 107-45   | SE   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 107-45   | TR   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 108-OUT  | GN   | CHUM | 3594   |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 108-OUT  | TR   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 108-45   | GN   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 108-45   | TR   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  |           |            |                   |      |       |
| 81 | AK | 152      | TR   | CHUM | 661    |                | 0.15                         | 0.25       | 99   | 165        | -66   | A  |           |            |                   |      |       |
| 81 | AK | ALL      | SP   | CHUM | 0      |                | 0.00                         |            | 0  | 0          | 0     | A  | 20290     | 23369      | -3079             |      |       |
| 82 | BC | 1        | OUT  | GN   | CHUM   | 256            | 0.08                         | 0.08       | 20   | 20         | 0     | C  |           |            |                   |      |       |
| 82 | BC | 1        | OUT  | SE   | CHUM   | 12195          | 0.08                         | 0.08       | 976  | 976        | 0     | C  |           |            |                   |      |       |
| 82 | BC | 1        | IN   | GN   | CHUM   |                | 0.00                         | 0.00       | 0  | 0          | 0     | C  |           |            |                   |      |       |
| 82 | BC | 1        | IN   | SE   | CHUM   |                | 0.00                         | 0.00       | 0  | 0          | 0     | C  |           |            |                   |      |       |
| 82 | BC | 1        | TR   | CHUM | 2326   |                | 0.25                         | 0.16       | 582  | 372        | 209   | C  |           |            |                   |      |       |
| 82 | BC | 2E       | GN   | CHUM | 18020  |                | 0.00                         | 0.00       | 0  | 0          | 0     | C  |           |            |                   |      |       |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju | Area | Gear     | Spec | Catch | Adjusted<br>Catch | PROP BOUND FOR<br>OTHER COUNTRY |               | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |               |       | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |              |               | Hatchery<br>Contrib. |       |          |
|----|----|------|----------|------|-------|-------------------|---------------------------------|---------------|---|---------------|-------|--|--------------|---------------|----------------------|-------|----------|
|    |    |      |          |      |       |                   | U.S.<br>Est.                    | Candn<br>Est. | U.S.<br>Est.                                      | Candn<br>Est. | Diff  | CAT  | U.S.<br>Est. | Candn<br>Est. | Diff                 | Notes | Contrib. |
| a  | b  | c    | d        | e    | f     | g                 | h                               | i             | k   | l             | m     | o  | p            | q             | r                    | t     | u        |
| 82 | BC |      | 2E       | SE   | CHUM  | 10697             | 0.00                            | 0.00          | 0   | 0             | 0     | C  |              |               |                      |       |          |
| 82 | BC |      | 2E       | TR   | CHUM  | 702               | 0.00                            | 0.00          | 0   | 0             | 0     | C  |              |               |                      |       |          |
| 82 | BC |      | 2W       | GN   | CHUM  | 1233              | 0.00                            | 0.00          | 0   | 0             | 0     | C  |              |               |                      |       |          |
| 82 | BC |      | 2W       | SE   | CHUM  | 49098             | 0.00                            | 0.00          | 0   | 0             | 0     | C  |              |               |                      |       |          |
| 82 | BC |      | 2W       | TR   | CHUM  | 1144              | 0.00                            | 0.00          | 0   | 0             | 0     | C  |              |               |                      |       |          |
| 82 | BC |      | 3-(1)    | GN   | CHUM  | 3283              | 0.50                            | 0.43          | 1642  | 1412          | 230   | C  |              |               |                      |       |          |
| 82 | BC |      | 3-(1)    | SE   | CHUM  | 14033             | 0.50                            | 0.43          | 7017  | 6034          | 982   | C  |              |               |                      |       |          |
| 82 | BC |      | 3-(2-4)  | GN   | CHUM  | 7706              | 0.50                            | 0.21          | 3853  | 1618          | 2235  | C  |              |               |                      |       |          |
| 82 | BC |      | 3-(2-4)  | SE   | CHUM  | 27470             | 0.50                            | 0.21          | 13735   | 5769          | 7966  | C  |              |               |                      |       |          |
| 82 | BC |      | 3-(7-17) | GN   | CHUM  | 8716              | 0.22                            | 0.22          | 1918  | 1918          | 0     | C  |              |               |                      |       |          |
| 82 | BC |      | 3-(7-17) | SE   | CHUM  | 9698              | 0.22                            | 0.22          | 2134  | 2134          | 0     | C  |              |               |                      |       |          |
| 82 | BC |      | 3        | TR   | CHUM  | 974               | 0.50                            | 0.32          | 487   | 312           | 175   | C  |              |               |                      |       |          |
| 82 | BC |      | 4        | GN   | CHUM  | 35864             | 0.04                            |               | 1435  | 0             | 1435  | C  |              |               |                      |       |          |
| 82 | BC |      | 4        | SE   | CHUM  | 26706             | 0.04                            |               | 1068  | 0             | 1068  | C  |              |               |                      |       |          |
| 82 | BC |      |          | GN   | CHUM  |                   | 0.04                            |               | 0   | 0             | 0     | C  |              |               |                      |       |          |
| 82 | BC |      |          | SE   | CHUM  |                   | 0.04                            |               | 0   | 0             | 0     | C  |              |               |                      |       |          |
| 82 | BC |      | 4        | TR   | CHUM  | 613               | 0.04                            |               | 25  | 0             | 25    | C  |              |               |                      |       |          |
| 82 | BC |      | 5        | OUT  | GN    | 4088              | 0.04                            | 0.25          | 164   | 1022          | -858  | C  |              |               |                      |       |          |
| 82 | BC |      | 5        | OUT  | SE    | 1709              | 0.04                            | 0.25          | 68  | 427           | -359  | C  |              |               |                      |       |          |
| 82 | BC |      | 5        | IN   | GN    | 8607              | 0.04                            | 0.00          | 344   | 0             | 344   | C  |              |               |                      |       |          |
| 82 | BC |      | 5        | IN   | SE    | 5976              | 0.04                            | 0.00          | 239   | 0             | 239   | C  |              |               |                      |       |          |
| 82 | BC |      | 5        | TR   | CHUM  | 78                | 0.04                            |               | 3   | 0             | 3     | C  | 35707        | 22013         | 13694                |       |          |
| 82 | AK |      | 101-OUT  | GN   | CHUM  | 84768             | 71164                           | 0.15          | 0.15  | 10675         | 10675 | 0  | A            |               |                      |       | 13604    |
| 82 | AK |      | 101-OUT  | SE   | CHUM  | 114016            | 110750                          | 0.05          |   | 5538          | 0     | 5538   | A            |               |                      |       | 3266     |
| 82 | AK |      | 101-OUT  | TR   | CHUM  | 308               |                                 | 0.05          |   | 15            | 0     | 15   | A            |               |                      |       |          |
| 82 | AK |      | 101      | ANN  | GN    | 27376             |                                 | 0.05          |   | 1369          | 0     | 1369   | A            |               |                      |       |          |
| 82 | AK |      | 101      | ANN  | SE    | 13670             |                                 | 0.05          |   | 684           | 0     | 684  | A            |               |                      |       |          |
| 82 | AK |      | 101      | ANN  | OG    | 898               |                                 | 0.05          |   | 45            | 0     | 45   | A            |               |                      |       |          |
| 82 | AK |      | 101      | TERM | GN    | 0                 |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 101      | TERM | SE    | 0                 |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 101      | TERM | TR    | 0                 |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 102      | GN   | CHUM  | 0                 |                                 | 0.05          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 102      | SUMM | SE    | 61960             | 61955                           | 0.05          |   | 3098          | 0     | 3098   | A            |               |                      |       | 5        |
| 82 | AK |      | 102      | FALL | SE    | 108582            |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 102      | TR   | CHUM  | 84                |                                 | 0.05          |   | 4             | 0     | 4  | A            |               |                      |       |          |
| 82 | AK |      | 103      | SE   | CHUM  | 48765             |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 103      | TR   | CHUM  | 118               |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 104      | SE   | CHUM  | 346452            | 345828                          | 0.15          | 0.25  | 51874         | 86457 | -34583   | A            |               |                      |       | 624      |
| 82 | AK |      | 104      | TR   | CHUM  | 150               |                                 | 0.15          | 0.25  | 23            | 38    | -15  | A            |               |                      |       |          |
| 82 | AK |      | 105      | SE   | CHUM  | 4257              |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 105      | TR   | CHUM  | 39                |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 106-OUT  | GN   | CHUM  | 18615             |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 106-OUT  | SE   | CHUM  | 0                 |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |
| 82 | AK |      | 106-OUT  | TR   | CHUM  | 38                |                                 | 0.00          |   | 0             | 0     | 0  | A            |               |                      |       |          |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju | Area     | Gear | Spec | Catch  | PROP BOUND FOR |               | -- CATCH OF FISH BOUND -- |           |          | ---- INTERCEPTION ---- |      |       | Hatchery |        |      |       |
|----|----|----------|------|------|--------|----------------|---------------|---------------------------|-----------|----------|------------------------|------|-------|----------|--------|------|-------|
|    |    |          |      |      |        | Adjusted       | OTHER COUNTRY | U.S.                      | Can       | U.S.     | Can                    | Diff | CAT   | U.S.     | Can    | Diff | Notes |
| a  | b  | c        | d    | e    | f      | g              | U.S. Est.     | Can Est.                  | U.S. Est. | Can Est. | Diff                   | o    | p     | q        | r      | t    | u     |
| 82 | AK | 106-44   | GN   | CHUM | 229    |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 106-44   | TR   | CHUM | 0      |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 107-OUT  | SE   | CHUM | 482    |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 107-OUT  | TR   | CHUM | 8      |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 107-45   | GN   | CHUM | 0      |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 107-45   | SE   | CHUM | 0      |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 107-45   | TR   | CHUM | 0      |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 108-OUT  | GN   | CHUM | 741    |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 108-OUT  | TR   | CHUM | 0      |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 108-45   | GN   | CHUM | 0      |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 108-45   | TR   | CHUM | 0      |                | 0.00          |                           | 0         | 0        | 0                      | A    |       |          |        |      |       |
| 82 | AK | 152      | TR   | CHUM | 50     |                | 0.15          | 0.25                      | 8         | 13       | -5                     | A    |       |          |        |      |       |
| 82 | AK | ALL      | SP   | CHUM |        |                | 0.00          |                           | 0         | 0        | 0                      | A    | 73331 | 97182    | -23851 |      |       |
| 83 | BC | 1 OUT    | GN   | CHUM | 360    |                | 0.08          | 0.08                      | 29        | 29       | 0                      | C    |       |          |        |      |       |
| 83 | BC | 1 OUT    | SE   | CHUM | 2275   |                | 0.08          | 0.08                      | 182       | 182      | 0                      | C    |       |          |        |      |       |
| 83 | BC | 1 IN     | GN   | CHUM |        |                | 0.00          | 0.00                      | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 1 IN     | SE   | CHUM |        |                | 0.00          | 0.00                      | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 1        | TR   | CHUM | 5324   |                | 0.25          | 0.16                      | 1331      | 852      | 479                    | C    |       |          |        |      |       |
| 83 | BC | 2E       | GN   | CHUM | 0      |                | 0.00          | 0.00                      | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 2E       | SE   | CHUM | 0      |                | 0.00          | 0.00                      | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 2E       | TR   | CHUM | 885    |                | 0.00          | 0.00                      | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 2W       | GN   | CHUM | 34     |                | 0.00          | 0.00                      | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 2W       | SE   | CHUM | 6391   |                | 0.00          | 0.00                      | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 2W       | TR   | CHUM | 485    |                | 0.00          | 0.00                      | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 3-(1)    | GN   | CHUM | 4240   |                | 0.50          | 0.43                      | 2120      | 1823     | 297                    | C    |       |          |        |      |       |
| 83 | BC | 3-(1)    | SE   | CHUM | 5126   |                | 0.50          | 0.43                      | 2563      | 2204     | 359                    | C    |       |          |        |      |       |
| 83 | BC | 3-(2-4)  | GN   | CHUM | 16482  |                | 0.50          | 0.21                      | 8241      | 3461     | 4780                   | C    |       |          |        |      |       |
| 83 | BC | 3-(2-4)  | SE   | CHUM | 53281  |                | 0.50          | 0.21                      | 26641     | 11189    | 15451                  | C    |       |          |        |      |       |
| 83 | BC | 3-(7-17) | GN   | CHUM | 48784  |                | 0.22          | 0.22                      | 10732     | 10732    | 0                      | C    |       |          |        |      |       |
| 83 | BC | 3-(7-17) | SE   | CHUM | 55511  |                | 0.22          | 0.22                      | 12212     | 12212    | 0                      | C    |       |          |        |      |       |
| 83 | BC | 3        | TR   | CHUM | 2565   |                | 0.50          | 0.32                      | 1283      | 821      | 462                    | C    |       |          |        |      |       |
| 83 | BC | 4        | GN   | CHUM | 24366  |                | 0.04          |                           | 975       | 0        | 975                    | C    |       |          |        |      |       |
| 83 | BC | 4        | SE   | CHUM | 0      |                | 0.04          |                           | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC |          | GN   | CHUM |        |                | 0.04          |                           | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC |          | SE   | CHUM |        |                | 0.04          |                           | 0         | 0        | 0                      | C    |       |          |        |      |       |
| 83 | BC | 4        | TR   | CHUM | 756    |                | 0.04          |                           | 30        | 0        | 30                     | C    |       |          |        |      |       |
| 83 | BC | 5 OUT    | GN   | CHUM | 9526   |                | 0.04          | 0.25                      | 381       | 2382     | -2000                  | C    |       |          |        |      |       |
| 83 | BC | 5 OUT    | SE   | CHUM | 66     |                | 0.04          | 0.25                      | 3         | 17       | -14                    | C    |       |          |        |      |       |
| 83 | BC | 5 IN     | GN   | CHUM | 8727   |                | 0.04          | 0.00                      | 349       | 0        | 349                    | C    |       |          |        |      |       |
| 83 | BC | 5 IN     | SE   | CHUM | 1685   |                | 0.04          | 0.00                      | 67        | 0        | 67                     | C    |       |          |        |      |       |
| 83 | BC | 5        | TR   | CHUM | 216    |                | 0.04          |                           | 9         | 0        | 9                      | C    | 67147 | 45904    | 21243  |      |       |
| 83 | AK | 101-OUT  | GN   | CHUM | 139713 | 110358         | 0.15          | 0.15                      | 16554     | 16554    | 0                      | A    |       |          |        |      | 29355 |
| 83 | AK | 101-OUT  | SE   | CHUM | 40883  | 37264          | 0.05          |                           | 1863      | 0        | 1863                   | A    |       |          |        |      | 3619  |
| 83 | AK | 101-OUT  | TR   | CHUM | 350    | 292            | 0.05          |                           | 15        | 0        | 15                     | A    |       |          |        |      | 58    |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju | Area    | Gear | Spec | Catch | Adjusted | PROP BOUND FOR |       | -- CATCH OF FISH BOUND -- |       |        | ----- INTERCEPTION ----- |       |       | Hatchery |       |          |
|----|----|---------|------|------|-------|----------|----------------|-------|---------------------------|-------|--------|--------------------------|-------|-------|----------|-------|----------|
|    |    |         |      |      |       |          | OTHER COUNTRY  | U.S.  | U.S.                      | Can   | Diff   | CAT                      | U.S.  | Can   | Diff     | Notes | Contrib. |
| a  | b  | c       | d    | e    | f     | g        | Est.           | Est.  | Est.                      | Est.  | m      | o                        | Est.  | Est.  | r        | t     | u        |
| 83 | AK | 101     | ANN  | GN   | CHUM  | 17400    | 0.05           |       | 870                       | 0     | 870    | A                        |       |       |          |       |          |
| 83 | AK | 101     | ANN  | SE   | CHUM  | 5017     | 0.05           |       | 251                       | 0     | 251    | A                        |       |       |          |       |          |
| 83 | AK | 101     | ANN  | OG   | CHUM  | 1776     | 0.05           |       | 84                        | 0     | 84     | A                        |       |       |          |       | 93       |
| 83 | AK | 101     | TERM | GN   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 101     | TERM | SE   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 101     | TERM | TR   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 102     |      | GN   | CHUM  | 0        | 0.05           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 102     | SUMM | SE   | CHUM  | 23450    | 0.05           | 23372 | 1169                      | 0     | 1169   | A                        |       |       |          |       | 78       |
| 83 | AK | 102     | FALL | SE   | CHUM  | 24292    | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 102     |      | TR   | CHUM  | 193      | 0.05           |       | 10                        | 0     | 10     | A                        |       |       |          |       |          |
| 83 | AK | 103     |      | SE   | CHUM  | 33034    | 0.00           | 32808 | 0                         | 0     | 0      | A                        |       |       |          |       | 226      |
| 83 | AK | 103     |      | TR   | CHUM  | 77       | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 104     |      | SE   | CHUM  | 169784   | 0.15           | 0.25  | 24916                     | 41526 | -16610 | A                        |       |       |          |       | 3680     |
| 83 | AK | 104     |      | TR   | CHUM  | 891      | 0.15           | 0.25  | 119                       | 198   | -79    | A                        |       |       |          |       | 99       |
| 83 | AK | 105     |      | SE   | CHUM  | 12918    | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 105     |      | TR   | CHUM  | 57       | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 106-OUT |      | GN   | CHUM  | 20144    | 0.00           | 19691 | 0                         | 0     | 0      | A                        |       |       |          |       | 453      |
| 83 | AK | 106-OUT |      | SE   | CHUM  | 1518     | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 106-OUT |      | TR   | CHUM  | 36       | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 106-44  |      | GN   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 106-44  |      | TR   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 107-OUT |      | SE   | CHUM  | 3103     | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 107-OUT |      | TR   | CHUM  | 32       | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 107-45  |      | GN   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 107-45  |      | SE   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 107-45  |      | TR   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 108-OUT |      | GN   | CHUM  | 675      | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 108-OUT |      | TR   | CHUM  | 2        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 108-45  |      | GN   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 108-45  |      | TR   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | 152     |      | TR   | CHUM  | 0        | 0.15           | 0.25  | 0                         | 0     | 0      | A                        |       |       |          |       |          |
| 83 | AK | ALL     |      | SP   | CHUM  | 0        | 0.00           |       | 0                         | 0     | 0      | A                        | 45849 | 58278 | -12429   |       |          |
| 84 | BC | 1       | OUT  | GN   | CHUM  | 203      | 0.08           | 0.08  | 16                        | 16    | 0      | C                        |       |       |          |       |          |
| 84 | BC | 1       | OUT  | SE   | CHUM  | 4667     | 0.08           | 0.08  | 373                       | 373   | 0      | C                        |       |       |          |       |          |
| 84 | BC | 1       | IN   | GN   | CHUM  | 72       | 0.00           | 0.00  | 0                         | 0     | 0      | C                        |       |       |          |       |          |
| 84 | BC | 1       | IN   | SE   | CHUM  | 1335     | 0.00           | 0.00  | 0                         | 0     | 0      | C                        |       |       |          |       |          |
| 84 | BC |         | 1    | TR   | CHUM  | 50532    | 0.25           | 0.16  | 12633                     | 8085  | 4548   | C                        |       |       |          |       |          |
| 84 | BC |         | 2E   | GN   | CHUM  | 65268    | 0.00           | 0.00  | 0                         | 0     | 0      | C                        |       |       |          |       |          |
| 84 | BC |         | 2E   | SE   | CHUM  | 215542   | 0.00           | 0.00  | 0                         | 0     | 0      | C                        |       |       |          |       |          |
| 84 | BC |         | 2E   | TR   | CHUM  | 940      | 0.00           | 0.00  | 0                         | 0     | 0      | C                        |       |       |          |       |          |
| 84 | BC |         | 2W   | GN   | CHUM  | 1859     | 0.00           | 0.00  | 0                         | 0     | 0      | C                        |       |       |          |       |          |
| 84 | BC |         | 2W   | SE   | CHUM  | 95698    | 0.00           | 0.00  | 0                         | 0     | 0      | C                        |       |       |          |       |          |
| 84 | BC |         | 2W   | TR   | CHUM  | 2108     | 0.00           | 0.00  | 0                         | 0     | 0      | C                        |       |       |          |       |          |
| 84 | BC | 3-(1)   |      | GN   | CHUM  | 10236    | 0.70           | 0.43  | 7165                      | 4401  | 2764   | C                        |       |       |          |       |          |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju<br>a b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                    | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                    |           | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |                    | Hatchery<br>Contrib. |            |
|----|-----------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|---|--------------------|-----------|--|-------------------|--------------------|----------------------|------------|
|    |           |           |           |           |            |                        | U.S.<br>Est.<br>h               | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r            | Notes<br>t |
| 84 | BC        | 3-(1)     | SE        | CHUM      | 41902      |                        | 0.70                            | 0.43               | 29331   | 18018              | 11314     | C  |                   |                    |                      |            |
| 84 | BC        | 3-(2-4)   | GN        | CHUM      | 25901      |                        | 0.70                            | 0.21               | 18131   | 5439               | 12691     | C  |                   |                    |                      |            |
| 84 | BC        | 3-(2-4)   | SE        | CHUM      | 64301      |                        | 0.70                            | 0.21               | 45011   | 13503              | 31507     | C  |                   |                    |                      |            |
| 84 | BC        | 3-(7-17)  | GN        | CHUM      | 104852     |                        | 0.22                            | 0.22               | 23067   | 23067              | 0         | C  |                   |                    |                      |            |
| 84 | BC        | 3-(7-17)  | SE        | CHUM      | 70142      |                        | 0.22                            | 0.22               | 15431   | 15431              | 0         | C  |                   |                    |                      |            |
| 84 | BC        | 3         | TR        | CHUM      | 4957       |                        | 0.70                            | 0.32               | 3470  | 1586               | 1884      | C  |                   |                    |                      |            |
| 84 | BC        | 4 OUT     | GN        | CHUM      | 17064      |                        | 0.04                            |                    | 683   | 0                  | 683       | C  |                   |                    |                      |            |
| 84 | BC        | 4 OUT     | SE        | CHUM      | 19160      |                        | 0.04                            |                    | 766   | 0                  | 766       | C  |                   |                    |                      |            |
| 84 | BC        | 4 IN      | GN        | CHUM      | 81185      |                        | 0.04                            |                    | 3247  | 0                  | 3247      | C  |                   |                    |                      |            |
| 84 | BC        | 4 IN      | SE        | CHUM      | 9862       |                        | 0.04                            |                    | 394   | 0                  | 394       | C  |                   |                    |                      |            |
| 84 | BC        | 4         | TR        | CHUM      | 2835       |                        | 0.04                            |                    | 113   | 0                  | 113       | C  |                   |                    |                      |            |
| 84 | BC        | 5 OUT     | GN        | CHUM      | 12585      |                        | 0.04                            | 0.25               | 503   | 3146               | -2643     | C  |                   |                    |                      |            |
| 84 | BC        | 5 OUT     | SE        | CHUM      | 409        |                        | 0.04                            | 0.25               | 16  | 102                | -86       | C  |                   |                    |                      |            |
| 84 | BC        | 5 IN      | GN        | CHUM      | 1512       |                        | 0.04                            | 0.00               | 60  | 0                  | 60        | C  |                   |                    |                      |            |
| 84 | BC        | 5 IN      | SE        | CHUM      | 13570      |                        | 0.04                            | 0.00               | 543   | 0                  | 543       | C  |                   |                    |                      |            |
| 84 | BC        | 5         | TR        | CHUM      | 149        |                        | 0.04                            |                    | 6   | 0                  | 6         | C  | 160962            | 93170              | 67793                |            |
| 84 | AK        | 101-OUT   | GN        | CHUM      | 227947     | 158878                 | 0.15                            | 0.15               | 23832   | 23832              | 0         | A  |                   |                    |                      | 69069      |
| 84 | AK        | 101-OUT   | SE        | CHUM      | 423677     | 330028                 | 0.05                            |                    | 16501   | 0                  | 16501     | A  |                   |                    |                      | 93649      |
| 84 | AK        | 101-OUT   | TR        | CHUM      | 839        | 434                    | 0.05                            |                    | 22  | 0                  | 22        | A  |                   |                    |                      | 405        |
| 84 | AK        | 101 ANN   | GN        | CHUM      | 71458      |                        | 0.05                            |                    | 3573  | 0                  | 3573      | A  |                   |                    |                      |            |
| 84 | AK        | 101 ANN   | SE        | CHUM      | 27046      |                        | 0.05                            |                    | 1352  | 0                  | 1352      | A  |                   |                    |                      |            |
| 84 | AK        | 101 ANN   | OG        | CHUM      | 6284       | 5042                   | 0.05                            |                    | 252   | 0                  | 252       | A  |                   |                    |                      | 1242       |
| 84 | AK        | 101 TERM  | GN        | CHUM      | 0          |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 101 TERM  | SE        | CHUM      | 0          |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 101 TERM  | TR        | CHUM      | 0          |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 102       | GN        | CHUM      | 1006       |                        | 0.05                            |                    | 50  | 0                  | 50        | A  |                   |                    |                      |            |
| 84 | AK        | 102 SUMM  | SE        | CHUM      | 97850      | 81621                  | 0.05                            |                    | 4081  | 0                  | 4081      | A  |                   |                    |                      | 16229      |
| 84 | AK        | 102 FALL  | SE        | CHUM      | 105561     |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 102       | TR        | CHUM      | 240        |                        | 0.05                            |                    | 12  | 0                  | 12        | A  |                   |                    |                      |            |
| 84 | AK        | 103       | SE        | CHUM      | 70136      | 64928                  | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      | 5208       |
| 84 | AK        | 103       | TR        | CHUM      | 288        |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 104       | SE        | CHUM      | 203569     | 175518                 | 0.15                            | 0.25               | 26328   | 43880              | -17552    | A  |                   |                    |                      | 28051      |
| 84 | AK        | 104       | TR        | CHUM      | 1218       |                        | 0.15                            | 0.25               | 183   | 305                | -122      | A  |                   |                    |                      |            |
| 84 | AK        | 105       | SE        | CHUM      | 12918      | 12904                  | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      | 14         |
| 84 | AK        | 105       | TR        | CHUM      | 100        |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 106-OUT   | GN        | CHUM      | 70258      | 65616                  | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      | 4642       |
| 84 | AK        | 106-OUT   | SE        | CHUM      | 3346       |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 106-OUT   | TR        | CHUM      | 47         |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 106-44    | GN        | CHUM      | 296        |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 106-44    | TR        | CHUM      | 0          |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 107-OUT   | SE        | CHUM      | 3379       | 3310                   | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      | 69         |
| 84 | AK        | 107-OUT   | TR        | CHUM      | 45         |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 107-45    | GN        | CHUM      | 0          |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 107-45    | SE        | CHUM      | 0          |                        | 0.00                            |                    | 0   | 0                  | 0         | A  |                   |                    |                      |            |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju<br>a b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                    | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                    |           | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |                   |                    | Hatchery<br>Contrib. |            |
|----|-----------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|--|--------------------|-----------|--|-------------------|--------------------|----------------------|------------|
|    |           |           |           |           |            |                        | U.S.<br>Est.<br>h               | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r            | Notes<br>t |
| 84 | AK        | 107-45    | TR        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 108-OUT   | GN        | CHUM      | 1892       | 1864                   | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      | 28         |
| 84 | AK        | 108-OUT   | TR        | CHUM      | 3          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 108-45    | GN        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 108-45    | TR        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 84 | AK        | 152       | TR        | CHUM      | 20         |                        | 0.15                            | 0.25               | 3  | 5                  | -2        | A  |                   |                    |                      |            |
| 84 | AK        | ALL       | SP        | CHUM      |            |                        | 0.00                            |                    | 0  | 0                  | 0         | A  | 76189             | 68021              | 8168                 |            |
| 85 | BC        | 1 OUT     | GN        | CHUM      | 6          |                        | 0.08                            | 0.08               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 1 OUT     | SE        | CHUM      | 10010      |                        | 0.08                            | 0.08               | 801  | 801                | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 1 IN      | GN        | CHUM      | 15264      |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 1 IN      | SE        | CHUM      | 29961      |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 1         | TR        | CHUM      | 106746     |                        | 0.25                            | 0.16               | 26687  | 17079              | 9607      | C  |                   |                    |                      |            |
| 85 | BC        | 2E        | GN        | CHUM      | 281080     |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 2E        | SE        | CHUM      | 365218     |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 2E        | TR        | CHUM      | 5424       |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 2W        | GN        | CHUM      | 1906       |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 2W        | SE        | CHUM      | 55603      |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 2W        | TR        | CHUM      | 25923      |                        | 0.00                            | 0.00               | 0  | 0                  | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 3-(1)     | GN        | CHUM      | 3353       |                        | 0.70                            | 0.43               | 2347   | 1442               | 905       | C  |                   |                    |                      |            |
| 85 | BC        | 3-(1)     | SE        | CHUM      | 14624      |                        | 0.70                            | 0.43               | 10237  | 6288               | 3948      | C  |                   |                    |                      |            |
| 85 | BC        | 3-(2-4)   | GN        | CHUM      | 4383       |                        | 0.70                            | 0.21               | 3068   | 920                | 2148      | C  |                   |                    |                      |            |
| 85 | BC        | 3-(2-4)   | SE        | CHUM      | 53009      |                        | 0.70                            | 0.21               | 37106  | 11132              | 25974     | C  |                   |                    |                      |            |
| 85 | BC        | 3-(7-17)  | GN        | CHUM      | 11569      |                        | 0.22                            | 0.22               | 2545   | 2545               | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 3-(7-17)  | SE        | CHUM      | 44121      |                        | 0.22                            | 0.22               | 9707   | 9707               | 0         | C  |                   |                    |                      |            |
| 85 | BC        | 3         | TR        | CHUM      | 3647       |                        | 0.70                            | 0.32               | 2553   | 1167               | 1386      | C  |                   |                    |                      |            |
| 85 | BC        | 4 OUT     | GN        | CHUM      | 42599      |                        | 0.04                            |                    | 1704   | 0                  | 1704      | C  |                   |                    |                      |            |
| 85 | BC        | 4 OUT     | SE        | CHUM      | 16132      |                        | 0.04                            |                    | 645  | 0                  | 645       | C  |                   |                    |                      |            |
| 85 | BC        | 4 IN      | GN        | CHUM      | 42487      |                        | 0.04                            |                    | 1699   | 0                  | 1699      | C  |                   |                    |                      |            |
| 85 | BC        | 4 IN      | SE        | CHUM      | 11465      |                        | 0.04                            |                    | 459  | 0                  | 459       | C  |                   |                    |                      |            |
| 85 | BC        | 4         | TR        | CHUM      | 2391       |                        | 0.04                            |                    | 96   | 0                  | 96        | C  |                   |                    |                      |            |
| 85 | BC        | 5 OUT     | GN        | CHUM      | 1371       |                        | 0.04                            | 0.25               | 55   | 343                | -288      | C  |                   |                    |                      |            |
| 85 | BC        | 5 OUT     | SE        | CHUM      | 34         |                        | 0.04                            | 0.25               | 1  | 9                  | -7        | C  |                   |                    |                      |            |
| 85 | BC        | 5 IN      | GN        | CHUM      | 3589       |                        | 0.04                            | 0.00               | 144  | 0                  | 144       | C  |                   |                    |                      |            |
| 85 | BC        | 5 IN      | SE        | CHUM      | 11195      |                        | 0.04                            | 0.00               | 448  | 0                  | 448       | C  |                   |                    |                      |            |
| 85 | BC        | 5         | TR        | CHUM      | 2756       |                        | 0.04                            |                    | 110  | 0                  | 110       | C  | 100412            | 51433              | 48978                |            |
| 85 | AK        | 101-OUT   | GN        | CHUM      | 233929     | 143747                 | 0.15                            | 0.15               | 21562  | 21562              | 0         | A  |                   |                    |                      | 90182      |
| 85 | AK        | 101-OUT   | SE        | CHUM      | 289086     | 190918                 | 0.05                            |                    | 9546   | 0                  | 9546      | A  |                   |                    |                      | 98168      |
| 85 | AK        | 101-OUT   | TR        | CHUM      | 2600       | 1342                   | 0.05                            |                    | 67   | 0                  | 67        | A  |                   |                    |                      | 1258       |
| 85 | AK        | 101 ANN   | GN        | CHUM      | 75597      |                        | 0.05                            |                    | 3780   | 0                  | 3780      | A  |                   |                    |                      |            |
| 85 | AK        | 101 ANN   | SE        | CHUM      | 9182       |                        | 0.05                            |                    | 459  | 0                  | 459       | A  |                   |                    |                      |            |
| 85 | AK        | 101 ANN   | OG        | CHUM      | 1563       | 1499                   | 0.05                            |                    | 75   | 0                  | 75        | A  |                   |                    |                      | 64         |
| 85 | AK        | 101 TERM  | GN        | CHUM      | 17051      |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 85 | AK        | 101 TERM  | SE        | CHUM      | 61327      |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |
| 85 | AK        | 101 TERM  | TR        | CHUM      | 0          |                        | 0.00                            |                    | 0  | 0                  | 0         | A  |                   |                    |                      |            |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju | Area | Gear     | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND -- FOR OTHER COUNTRY -- |           |            | ----- INTERCEPTION ----- CATEGORY SUMMARY ---- |       |           |            | Hatchery Contrib. |       |          |       |
|----|----|------|----------|------|-------|------------------------------|-----------|--|-----------|------------|--|-------|-----------|------------|-------------------|-------|----------|-------|
|    |    |      |          |      |       | Adjusted Catch               | U.S. Est. | Candn Est.                                     | U.S. Est. | Candn Est. | Diff   | CAT   | U.S. Est. | Candn Est. | Diff              | Notes | Contrib. |       |
| a  | b  | c    | d        | e    | f     | g                            | h         | i  | k         | l          | m  | o     | p         | q          | r                 | t     | u        |       |
| 85 | AK |      | 102      | GN   | CHUM  | 24                           |           |  | 0.05      |            |  | 1     | 0         | 1          | A                 |       |          |       |
| 85 | AK | 102  | SUMM     | SE   | CHUM  | 79154                        | 73279     |  | 0.05      |            |  | 3664  | 0         | 3664       | A                 |       | 5875     |       |
| 85 | AK | 102  | FALL     | SE   | CHUM  | 53323                        |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 102      | TR   | CHUM  | 504                          |           |  | 0.05      |            |  | 25    | 0         | 25         | A                 |       |          |       |
| 85 | AK |      | 103      | SE   | CHUM  | 81810                        | 78245     |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       | 3565     |       |
| 85 | AK |      | 103      | TR   | CHUM  | 713                          |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 104      | SE   | CHUM  | 217161                       | 205358    |  | 0.15      | 0.25       |  | 30804 | 51340     | -20536     | A                 |       | 11803    |       |
| 85 | AK |      | 104      | TR   | CHUM  | 2470                         | 2401      |  | 0.15      | 0.25       |  | 360   | 600       | -240       | A                 |       | 69       |       |
| 85 | AK |      | 105      | SE   | CHUM  | 54429                        |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 105      | TR   | CHUM  | 407                          |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 106-OUT  | GN   | CHUM  | 69661                        | 61792     |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       | 7869     |       |
| 85 | AK |      | 106-OUT  | SE   | CHUM  | 1954                         |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 106-OUT  | TR   | CHUM  | 55                           |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 106-44   | GN   | CHUM  | 477                          |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 106-44   | TR   | CHUM  | 0                            |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 107-OUT  | SE   | CHUM  | 11                           |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 107-OUT  | TR   | CHUM  | 15                           |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 107-45   | GN   | CHUM  | 0                            |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 107-45   | SE   | CHUM  | 0                            |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 107-45   | TR   | CHUM  | 0                            |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 108-OUT  | GN   | CHUM  | 1892                         | 1882      |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       | 10       |       |
| 85 | AK |      | 108-OUT  | TR   | CHUM  | 34                           |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 108-45   | GN   | CHUM  | 114                          |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 108-45   | TR   | CHUM  | 0                            |           |  | 0.00      |            |  | 0     | 0         | 0          | A                 |       |          |       |
| 85 | AK |      | 152      | TR   | CHUM  | 21                           |           |  | 0.15      | 0.25       |  | 3     | 5         | -2         | A                 |       |          |       |
| 85 | AK |      | ALL      | SP   | CHUM  |                              |           |  |           |            |  | 0     | 0         | 0          | A                 | 70346 | 73507    | -3161 |
| 86 | BC | 1    | OUT      | GN   | CHUM  | 224                          |           |  | 0.08      | 0.08       |  | 18    | 18        | 0          | C                 |       |          |       |
| 86 | BC | 1    | OUT      | SE   | CHUM  | 1688                         |           |  | 0.08      | 0.08       |  | 135   | 135       | 0          | C                 |       |          |       |
| 86 | BC | 1    | IN       | GN   | CHUM  | 51958                        |           |  | 0.00      | 0.00       |  | 0     | 0         | 0          | C                 |       |          |       |
| 86 | BC | 1    | IN       | SE   | CHUM  | 36893                        |           |  | 0.00      | 0.00       |  | 0     | 0         | 0          | C                 |       |          |       |
| 86 | BC |      | 1        | TR   | CHUM  | 28165                        |           |  | 0.25      | 0.16       |  | 7041  | 4506      | 2535       | C                 |       |          |       |
| 86 | BC |      | 2E       | GN   | CHUM  | 93284                        |           |  | 0.00      | 0.00       |  | 0     | 0         | 0          | C                 |       |          |       |
| 86 | BC |      | 2E       | SE   | CHUM  | 123874                       |           |  | 0.00      | 0.00       |  | 0     | 0         | 0          | C                 |       |          |       |
| 86 | BC |      | 2E       | TR   | CHUM  | 6698                         |           |  | 0.00      | 0.00       |  | 0     | 0         | 0          | C                 |       |          |       |
| 86 | BC |      | 2W       | GN   | CHUM  | 55                           |           |  | 0.00      | 0.00       |  | 0     | 0         | 0          | C                 |       |          |       |
| 86 | BC |      | 2W       | SE   | CHUM  | 20548                        |           |  | 0.00      | 0.00       |  | 0     | 0         | 0          | C                 |       |          |       |
| 86 | BC |      | 2W       | TR   | CHUM  | 5939                         |           |  | 0.00      | 0.00       |  | 0     | 0         | 0          | C                 |       |          |       |
| 86 | BC |      | 3-(1)    | GN   | CHUM  | 6435                         |           |  | 0.70      | 0.43       |  | 4505  | 2767      | 1737       | C                 |       |          |       |
| 86 | BC |      | 3-(1)    | SE   | CHUM  | 9706                         |           |  | 0.70      | 0.43       |  | 6794  | 4174      | 2621       | C                 |       |          |       |
| 86 | BC |      | 3-(2-4)  | GN   | CHUM  | 12411                        |           |  | 0.70      | 0.21       |  | 8688  | 2606      | 6081       | C                 |       |          |       |
| 86 | BC |      | 3-(2-4)  | SE   | CHUM  | 67885                        |           |  | 0.70      | 0.21       |  | 47520 | 14256     | 33264      | C                 |       |          |       |
| 86 | BC |      | 3-(7-17) | GN   | CHUM  | 37984                        |           |  | 0.22      | 0.22       |  | 8356  | 8356      | 0          | C                 |       |          |       |
| 86 | BC |      | 3-(7-17) | SE   | CHUM  | 51148                        |           |  | 0.22      | 0.22       |  | 11253 | 11253     | 0          | C                 |       |          |       |
| 86 | BC |      | 3        | TR   | CHUM  | 6244                         |           |  | 0.70      | 0.32       |  | 4371  | 1998      | 2373       | C                 |       |          |       |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju<br>a b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |                    | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |          |                   | Hatchery<br>Contrib. |           |            |       |       |  |
|----|-----------|-----------|-----------|-----------|------------|---------------------------------|-------------------|--|-------------------|--------------------|--|----------|-------------------|----------------------|-----------|------------|-------|-------|--|
|    |           |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Candn<br>Est.<br>i                                   | U.S.<br>Est.<br>k | Candn<br>Est.<br>l | Diff<br>m  | CAT<br>o | U.S.<br>Est.<br>p | Candn<br>Est.<br>q   | Diff<br>r | Notes<br>t | u     |       |  |
| 86 | BC        | 4         | OUT       | GN        | CHUM       | 13465                           |                   | 0.04   |                   |                    | 539  | 0        | 539               | C                    |           |            |       |       |  |
| 86 | BC        | 4         | OUT       | SE        | CHUM       | 5702                            |                   | 0.04   |                   |                    | 228  | 0        | 228               | C                    |           |            |       |       |  |
| 86 | BC        | 4         | IN        | GN        | CHUM       | 37679                           |                   | 0.04   |                   |                    | 1507   | 0        | 1507              | C                    |           |            |       |       |  |
| 86 | BC        | 4         | IN        | SE        | CHUM       | 1158                            |                   | 0.04   |                   |                    | 46   | 0        | 46                | C                    |           |            |       |       |  |
| 86 | BC        |           | 4         | TR        | CHUM       | 3005                            |                   | 0.04   |                   |                    | 120  | 0        | 120               | C                    |           |            |       |       |  |
| 86 | BC        | 5         | OUT       | GN        | CHUM       | 5826                            |                   | 0.04   | 0.25              |                    | 233  | 1457     | -1223             | C                    |           |            |       |       |  |
| 86 | BC        | 5         | OUT       | SE        | CHUM       | 0                               |                   | 0.04   | 0.25              |                    | 0  | 0        | 0                 | C                    |           |            |       |       |  |
| 86 | BC        | 5         | IN        | GN        | CHUM       | 10226                           |                   | 0.04   | 0.00              |                    | 409  | 0        | 409               | C                    |           |            |       |       |  |
| 86 | BC        | 5         | IN        | SE        | CHUM       | 23598                           |                   | 0.04   | 0.00              |                    | 944  | 0        | 944               | C                    |           |            |       |       |  |
| 86 | BC        |           | 5         | TR        | CHUM       | 670                             |                   | 0.04   |                   |                    | 27   | 0        | 27                | C                    | 102733    | 51526      | 51207 |       |  |
| 86 | AK        | 101-OUT   | GN        | CHUM      | 272507     | 199950                          |                   | 0.15   | 0.15              |                    | 29993  | 29993    | 0                 | A                    |           |            |       | 72557 |  |
| 86 | AK        | 101-OUT   | SE        | CHUM      | 307633     | 252845                          |                   | 0.05   |                   |                    | 12642  | 0        | 12642             | A                    |           |            |       | 54788 |  |
| 86 | AK        | 101-OUT   | TR        | CHUM      | 1649       |                                 |                   | 0.05   |                   |                    | 82   | 0        | 82                | A                    |           |            |       |       |  |
| 86 | AK        | 101 ANN   | GN        | CHUM      | 96755      |                                 |                   | 0.05   |                   |                    | 4838   | 0        | 4838              | A                    |           |            |       |       |  |
| 86 | AK        | 101 ANN   | SE        | CHUM      | 13802      |                                 |                   | 0.05   |                   |                    | 690  | 0        | 690               | A                    |           |            |       |       |  |
| 86 | AK        | 101 ANN   | OG        | CHUM      | 1788       |                                 |                   | 0.05   |                   |                    | 89   | 0        | 89                | A                    |           |            |       |       |  |
| 86 | AK        | 101 TERM  | GN        | CHUM      | 14057      |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 101 TERM  | SE        | CHUM      | 30333      |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 101 TERM  | SE        | CHUM      | 0          |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        |           | 102       | GN        | CHUM       | 165                             |                   | 0.05   |                   |                    | 8  | 0        | 8                 | A                    |           |            |       |       |  |
| 86 | AK        | 102 SUMM  | SE        | CHUM      | 101536     | 89547                           |                   | 0.05   |                   |                    | 4477   | 0        | 4477              | A                    |           |            |       | 11989 |  |
| 86 | AK        | 102 FALL  | SE        | CHUM      | 104135     |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        |           | 102       | TR        | CHUM       | 453                             |                   | 0.05   |                   |                    | 23   | 0        | 23                | A                    |           |            |       |       |  |
| 86 | AK        |           | 103       | SE        | CHUM       | 215532                          | 193260            | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       | 22272 |  |
| 86 | AK        |           | 103       | TR        | CHUM       | 561                             |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        |           | 104       | SE        | CHUM       | 437701                          | 406141            | 0.15   | 0.25              |                    | 60921  | 101535   | -40614            | A                    |           |            |       | 31560 |  |
| 86 | AK        |           | 104       | TR        | CHUM       | 2482                            |                   | 0.15   | 0.25              |                    | 372  | 621      | -248              | A                    |           |            |       |       |  |
| 86 | AK        |           | 105       | SE        | CHUM       | 51507                           |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        |           | 105       | TR        | CHUM       | 148                             |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 106-OUT   | GN        | CHUM      | 82289      | 74528                           |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       | 7761  |  |
| 86 | AK        | 106-OUT   | SE        | CHUM      | 2796       |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 106-OUT   | TR        | CHUM      | 93         |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 106-44    | GN        | CHUM      | 332        |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 106-44    | TR        | CHUM      | 0          |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 107-OUT   | SE        | CHUM      | 1244       | 977                             |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       | 267   |  |
| 86 | AK        | 107-OUT   | TR        | CHUM      | 42         |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 107-45    | GN        | CHUM      | 0          |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 107-45    | SE        | CHUM      | 0          |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 107-45    | TR        | CHUM      | 0          |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 108-OUT   | GN        | CHUM      | 5928       | 5856                            |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       | 72    |  |
| 86 | AK        | 108-OUT   | TR        | CHUM      | 8          |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 108-45    | GN        | CHUM      | 15         |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        | 108-45    | TR        | CHUM      | 0          |                                 |                   | 0.00   |                   |                    | 0  | 0        | 0                 | A                    |           |            |       |       |  |
| 86 | AK        |           | 152       | TR        | CHUM       | 45                              |                   | 0.15   | 0.25              |                    | 7  | 11       | -5                | A                    |           |            |       |       |  |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju<br>a | Area<br>b | Gear<br>c | Spec<br>d | Catch<br>e | Adjusted<br>Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                    | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                    |           | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |                   |                    |           | Hatchery<br>Contrib. |       |
|----|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|---|--------------------|-----------|--|-------------------|--------------------|-----------|----------------------|-------|
|    |         |           |           |           |            |                        | U.S.<br>Est.<br>g               | Candn<br>Est.<br>h | U.S.<br>Est.<br>k                                 | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r | Notes<br>t           | u     |
| 86 | AK      |           | ALL       | SP        | CHUM       |                        |                                 |                    | 0   | 0                  | 0         | A  | 114143            | 132160             | -18017    |                      |       |
| 87 | BC      | 1         | OUT       | GN        | CHUM       | 56                     | 0.08                            | 0.08               | 4   | 4                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      | 1         | OUT       | SE        | CHUM       | 5197                   | 0.08                            | 0.08               | 416   | 416                | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      | 1         | IN        | GN        | CHUM       | 1459                   | 0.00                            | 0.00               | 0   | 0                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      | 1         | IN        | SE        | CHUM       | 82                     | 0.00                            | 0.00               | 0   | 0                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 1         | TR        | CHUM       | 25926                  | 0.25                            | 0.16               | 6482  | 4148               | 2333      | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 2E        | GN        | CHUM       | 66219                  | 0.00                            | 0.00               | 0   | 0                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 2E        | SE        | CHUM       | 124971                 | 0.00                            | 0.00               | 0   | 0                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 2E        | TR        | CHUM       | 2840                   | 0.00                            | 0.00               | 0   | 0                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 2W        | GN        | CHUM       | 0                      | 0.00                            | 0.00               | 0   | 0                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 2W        | SE        | CHUM       | 36                     | 0.00                            | 0.00               | 0   | 0                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 2W        | TR        | CHUM       | 29550                  | 0.00                            | 0.00               | 0   | 0                  | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 3-(1)     | GN        | CHUM       | 1425                   | 0.70                            | 0.43               | 997   | 613                | 385       | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 3-(1)     | SE        | CHUM       | 5586                   | 0.70                            | 0.43               | 3910  | 2402               | 1508      | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 3-(2-4)   | GN        | CHUM       | 5656                   | 0.70                            | 0.21               | 3959  | 1188               | 2771      | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 3-(2-4)   | SE        | CHUM       | 50913                  | 0.70                            | 0.21               | 35639   | 10692              | 24947     | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 3-(7-17)  | GN        | CHUM       | 16055                  | 0.22                            | 0.22               | 3532  | 3532               | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 3-(7-17)  | SN        | CHUM       | 44783                  | 0.22                            | 0.22               | 9852  | 9852               | 0         | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 3         | TR        | CHUM       | 2732                   | 0.70                            | 0.32               | 1912  | 874                | 1038      | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 4         | OUT       | GN         | CHUM                   | 7416                            | 0.04               | 297   | 0                  | 297       | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 4         | OUT       | SE         | CHUM                   | 3768                            | 0.04               | 151   | 0                  | 151       | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 4         | IN        | GN         | CHUM                   | 16800                           | 0.04               | 672   | 0                  | 672       | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 4         | IN        | SE         | CHUM                   | 1832                            | 0.04               | 73  | 0                  | 73        | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 4         | TR        | CHUM       | 1008                   | 0.04                            |                    | 40  | 0                  | 40        | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 5         | OUT       | GN         | CHUM                   | 1703                            | 0.04               | 68  | 426                | -358      | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 5         | OUT       | SE         | CHUM                   | 159                             | 0.04               | 6   | 40                 | -33       | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 5         | IN        | GN         | CHUM                   | 2563                            | 0.04               | 103   | 0                  | 103       | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 5         | IN        | SE         | CHUM                   | 14614                           | 0.04               | 585   | 0                  | 585       | C  |                   |                    |           |                      |       |
| 87 | BC      |           | 5         | TR        | CHUM       | 59                     | 0.04                            |                    | 2   | 0                  | 2         | C  | 68701             | 34187              | 34515     |                      |       |
| 87 | AK      | 101       | OUT       | GN        | CHUM       | 157856                 | 94956                           | 0.15               | 0.15  | 14243              | 14243     | 0  | A                 |                    |           |                      | 62900 |
| 87 | AK      | 101       | OUT       | SE        | CHUM       | 37898                  | 33964                           | 0.05               |   | 1698               | 0         | 1698   | A                 |                    |           |                      | 3934  |
| 87 | AK      | 101       | OUT       | TR        | CHUM       | 390                    |                                 | 0.05               |   | 20                 | 0         | 20   | A                 |                    |           |                      |       |
| 87 | AK      | 101       | ANN       | GN        | CHUM       | 86748                  |                                 | 0.05               |   | 4337               | 0         | 4337   | A                 |                    |           |                      |       |
| 87 | AK      | 101       | ANN       | SE        | CHUM       | 17991                  |                                 | 0.05               |   | 900                | 0         | 900  | A                 |                    |           |                      |       |
| 87 | AK      | 101       | ANN       | OG        | CHUM       | 937                    |                                 | 0.05               |   | 47                 | 0         | 47   | A                 |                    |           |                      |       |
| 87 | AK      | 101       | TERM      | GN        | CHUM       | 31061                  |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |       |
| 87 | AK      | 101       | TERM      | SE        | CHUM       | 72715                  |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |       |
| 87 | AK      | 101       | TERM      | SE        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |       |
| 87 | AK      |           | 102       | GN        | CHUM       | 0                      |                                 | 0.05               |   | 0                  | 0         | 0  | A                 |                    |           |                      |       |
| 87 | AK      | 102       | SUMM      | SE        | CHUM       | 5664                   | 2137                            | 0.05               |   | 107                | 0         | 107  | A                 |                    |           |                      | 3527  |
| 87 | AK      | 102       | FALL      | SE        | CHUM       | 122944                 |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |       |
| 87 | AK      |           | 102       | TR        | CHUM       | 136                    |                                 | 0.05               |   | 7                  | 0         | 7  | A                 |                    |           |                      |       |
| 87 | AK      |           | 103       | SE        | CHUM       | 87364                  | 59256                           | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      | 28108 |
| 87 | AK      |           | 103       | TR        | CHUM       | 165                    |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |       |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju | Area     | Gear | Spec | Catch  | Adjusted | PROP BOUND FOR |            | -- CATCH OF FISH BOUND -- |       |       | ----- INTERCEPTION ----- |       |       |      | Hatchery |          |
|----|----|----------|------|------|--------|----------|----------------|------------|---------------------------|-------|-------|--------------------------|-------|-------|------|----------|----------|
|    |    |          |      |      |        |          | OTHER COUNTRY  | U.S. Candn | U.S.                      | Candn | Diff  | CAT                      | U.S.  | Candn | Diff | Notes    | Contrib. |
| a  | b  | c        | d    | e    | f      | g        | h              | i          | k                         | l     | m     | o                        | p     | q     | r    | t        | u        |
| 87 | AK | 104      | SE   | CHUM | 71153  | 65528    | 0.15           | 0.25       | 9829                      | 16382 | -6553 | A                        |       |       |      |          | 5625     |
| 87 | AK | 104      | TR   | CHUM | 1902   |          | 0.15           | 0.25       | 285                       | 476   | -190  | A                        |       |       |      |          |          |
| 87 | AK | 105      | SE   | CHUM | 3526   |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 105      | TR   | CHUM | 77     |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 106-OUT  | GN   | CHUM | 42025  | 30247    | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          | 11778    |
| 87 | AK | 106-OUT  | SE   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 106-OUT  | TR   | CHUM | 9      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 106-44   | GN   | CHUM | 995    |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 106-44   | TR   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 107-OUT  | SE   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 107-OUT  | TR   | CHUM | 30     |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 107-45   | GN   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 107-45   | SE   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 107-45   | TR   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 108-OUT  | GN   | CHUM | 949    |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 108-OUT  | TR   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 108-45   | GN   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 108-45   | TR   | CHUM | 0      |          | 0.00           |            | 0                         | 0     | 0     | A                        |       |       |      |          |          |
| 87 | AK | 152      | TR   | CHUM | 250    |          | 0.15           | 0.25       | 38                        | 63    | -25   | A                        |       |       |      |          |          |
| 87 | AK | ALL      | SP   | CHUM |        |          |                |            | 0                         | 0     | 0     | A                        | 31511 | 31163 | 347  |          |          |
| 88 | BC | 1 OUT    | GN   | CHUM | 0      |          | 0.08           | 0.08       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 1 OUT    | SE   | CHUM | 4420   |          | 0.08           | 0.08       | 354                       | 354   | 0     | C                        |       |       |      |          |          |
| 88 | BC | 1 IN     | GN   | CHUM | 1674   |          | 0.00           | 0.00       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 1 IN     | SE   | CHUM | 1472   |          | 0.00           | 0.00       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 1        | TR   | CHUM | 117937 |          | 0.25           | 0.16       | 29484                     | 18870 | 10614 | C                        |       |       |      |          |          |
| 88 | BC | 2E       | GN   | CHUM | 141812 |          | 0.00           | 0.00       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 2E       | SE   | CHUM | 250993 |          | 0.00           | 0.00       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 2E       | TR   | CHUM | 2039   |          | 0.00           | 0.00       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 2W       | GN   | CHUM | 216    |          | 0.00           | 0.00       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 2W       | SE   | CHUM | 3335   |          | 0.00           | 0.00       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 2W       | TR   | CHUM | 5797   |          | 0.00           | 0.00       | 0                         | 0     | 0     | C                        |       |       |      |          |          |
| 88 | BC | 3-(1)    | GN   | CHUM | 18952  |          | 0.70           | 0.43       | 13266                     | 8149  | 5117  | C                        |       |       |      |          |          |
| 88 | BC | 3-(1)    | SE   | CHUM | 47033  |          | 0.70           | 0.43       | 32923                     | 20224 | 12699 | C                        |       |       |      |          |          |
| 88 | BC | 3-(2-4)  | GN   | CHUM | 7867   |          | 0.70           | 0.21       | 5507                      | 1652  | 3855  | C                        |       |       |      |          |          |
| 88 | BC | 3-(2-4)  | SE   | CHUM | 49476  |          | 0.70           | 0.21       | 34633                     | 10390 | 24243 | C                        |       |       |      |          |          |
| 88 | BC | 3-(7-17) | GN   | CHUM | 17429  |          | 0.22           | 0.22       | 3834                      | 3834  | 0     | C                        |       |       |      |          |          |
| 88 | BC | 3-(7-17) | SE   | CHUM | 19790  |          | 0.22           | 0.22       | 4354                      | 4354  | 0     | C                        |       |       |      |          |          |
| 88 | BC | 3        | TR   | CHUM | 17776  |          | 0.70           | 0.32       | 12443                     | 5688  | 6755  | C                        |       |       |      |          |          |
| 88 | BC | 4 OUT    | GN   | CHUM | 29030  |          | 0.04           |            | 1161                      | 0     | 1161  | C                        |       |       |      |          |          |
| 88 | BC | 4 OUT    | SE   | CHUM | 5433   |          | 0.04           |            | 217                       | 0     | 217   | C                        |       |       |      |          |          |
| 88 | BC | 4 IN     | GN   | CHUM | 181136 |          | 0.04           |            | 7245                      | 0     | 7245  | C                        |       |       |      |          |          |
| 88 | BC | 4 IN     | SE   | CHUM | 12312  |          | 0.04           |            | 492                       | 0     | 492   | C                        |       |       |      |          |          |
| 88 | BC | 4        | TR   | CHUM | 2997   |          | 0.04           |            | 120                       | 0     | 120   | C                        |       |       |      |          |          |
| 88 | BC | 5 OUT    | GN   | CHUM | 5920   |          | 0.04           | 0.25       | 237                       | 1480  | -1243 | C                        |       |       |      |          |          |

U.S. AND CANADIAN ESTIMATES OF NORTHERN BOUNDARY CHUM INTERCEPTIONS 1980-1988

| YR | Ju<br>a b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                    | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                    |           | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |                   |                    |           | Hatchery<br>Contrib. |   |        |
|----|-----------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|---|--------------------|-----------|--|-------------------|--------------------|-----------|----------------------|---|--------|
|    |           |           |           |           |            |                        | U.S.<br>Est.<br>h               | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r | Notes<br>t           | u |        |
| 88 | BC        | 5         | OUT       | SE        | CHUM       | 337                    |                                 | 0.04               | 0.25  | 13                 | 84        | -71  | C                 |                    |           |                      |   |        |
| 88 | BC        | 5         | IN        | GN        | CHUM       | 9237                   |                                 | 0.04               | 0.00  | 369                | 0         | 369  | C                 |                    |           |                      |   |        |
| 88 | BC        | 5         | IN        | SE        | CHUM       | 23801                  |                                 | 0.04               | 0.00  | 952                | 0         | 952  | C                 |                    |           |                      |   |        |
| 88 | BC        |           | 5         | TR        | CHUM       | 1586                   |                                 | 0.04               |   | 63                 | 0         | 63   | C                 | 147670             | 75080     | 72591                |   |        |
| 88 | AK        | 101       | OUT       | GN        | CHUM       | 500070                 | 310986                          | 0.15               | 0.15  | 46648              | 46648     | 0  | A                 |                    |           |                      |   | 189084 |
| 88 | AK        | 101       | OUT       | SE        | CHUM       | 175651                 | 149901                          | 0.05               |   | 7495               | 0         | 7495   | A                 |                    |           |                      |   | 25750  |
| 88 | AK        | 101       | OUT       | TR        | CHUM       | 1262                   | -111                            | 0.05               |   | 63                 | 0         | 63   | A                 |                    |           |                      |   | 1373   |
| 88 | AK        | 101       | ANN       | GN        | CHUM       | 115815                 |                                 | 0.05               |   | 5791               | 0         | 5791   | A                 |                    |           |                      |   |        |
| 88 | AK        | 101       | ANN       | SE        | CHUM       | 11503                  |                                 | 0.05               |   | 575                | 0         | 575  | A                 |                    |           |                      |   |        |
| 88 | AK        | 101       | ANN       | OG        | CHUM       | 383                    |                                 | 0.05               |   | 19                 | 0         | 19   | A                 |                    |           |                      |   |        |
| 88 | AK        | 101       | TERM      | GN        | CHUM       | 50347                  |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 101       | TERM      | SE        | CHUM       | 180117                 |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 101       | TERM      | SE        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        |           | 102       | GN        | CHUM       | 1722                   |                                 | 0.05               |   | 86                 | 0         | 86   | A                 |                    |           |                      |   |        |
| 88 | AK        | 102       | SUMM      | SE        | CHUM       | 38005                  | 32957                           | 0.05               |   | 1648               | 0         | 1648   | A                 |                    |           |                      |   | 5048   |
| 88 | AK        | 102       | FALL      | SE        | CHUM       | 198005                 |                                 | 0.05               |   | 9900               | 0         | 9900   | A                 |                    |           |                      |   |        |
| 88 | AK        |           | 102       | TR        | CHUM       | 938                    |                                 | 0.05               |   | 47                 | 0         | 47   | A                 |                    |           |                      |   |        |
| 88 | AK        |           | 103       | SE        | CHUM       | 99166                  | 68849                           | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   | 30317  |
| 88 | AK        |           | 103       | TR        | CHUM       | 1381                   |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        |           | 104       | SE        | CHUM       | 272567                 | 233205                          | 0.15               | 0.25  | 34981              | 58301     | -23321   | A                 |                    |           |                      |   | 39362  |
| 88 | AK        |           | 104       | TR        | CHUM       | 21414                  | 15689                           | 0.15               | 0.25  | 2353               | 3922      | -1569  | A                 |                    |           |                      |   | 5725   |
| 88 | AK        |           | 105       | SE        | CHUM       | 7881                   |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        |           | 105       | TR        | CHUM       | 2514                   |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 106       | OUT       | GN        | CHUM       | 69620                  | 58748                           | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   | 10872  |
| 88 | AK        | 106       | OUT       | SE        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 106       | OUT       | TR        | CHUM       | 414                    |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 106       | 44        | GN        | CHUM       | 55                     |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 106       | 44        | TR        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 107       | OUT       | SE        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 107       | OUT       | TR        | CHUM       | 76                     |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 107       | 45        | GN        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 107       | 45        | SE        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 107       | 45        | TR        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 108       | OUT       | GN        | CHUM       | 3109                   | 3106                            | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   | 3      |
| 88 | AK        | 108       | OUT       | TR        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 108       | 45        | GN        | CHUM       | 20                     |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        | 108       | 45        | TR        | CHUM       | 0                      |                                 | 0.00               |   | 0                  | 0         | 0  | A                 |                    |           |                      |   |        |
| 88 | AK        |           | 152       | TR        | CHUM       | 1237                   |                                 | 0.15               | 0.25  | 186                | 309       | -124   | A                 |                    |           |                      |   |        |
| 88 | AK        |           | ALL       | SP        | CHUM       |                        |                                 |                    |   | 0                  | 0         | 0  | A                 | 109792             | 109181    | 611                  |   |        |

## UNITED STATES NORTHERN BOUNDARY NOTES - CHUM SALMON

### Catches and Hatchery Contribution Data:

Alaskan catch data is from ADF&G Runtime program on October 18, 1989. Hatchery contribution estimates are based on coded micro-wire tag mark-recovery data provided by ADF&G Coded Wire Tag Processing Lab on September 21, 1989. Estimates exclude contributions to "terminal" hatchery harvest areas.

Strata Definitions for Specific Alaskan Areas:

101-OUT GN,SE,TR Excludes "terminal area" catches in hatchery special harvest areas (Naket Inlet SHA - 101-10 and Neets Bay SHA - 101-95).

101 ANN GN,SE,OG Catches in the Annette Island Fishery Reserve (Districts 101-24, 26, 28, and 42).

101 TERM GN,SE,TR Catches in the special harvest areas (Naket Inlet SHA - 101-10 and Neets Bay SHA - 101-95).

102 SUMM SE Catches from beginning of season through Statistical Week 35 (summer run).

102 FALL SE Catches from Statistical Week 36 to end of season (fall run).

106-OUT GN,SE,TR Excludes catches in Wrangell Narrows adjacent to Crystal Lake Hatchery (106-44).

106-44 GN,TR Catches in Wrangell Narrows adjacent to the Crystal Lake Hatchery.

107-OUT SE,TR Excludes catches in the Earl West Cove special harvest area (107-45).

107-45 GN,SE,TR Catches in the Earl West Cove special harvest area.

108-OUT GN,TR Excludes catches in Blind Slough (108-45).

108-45 GN,TR Catches in Blind Slough.

### Interceptions:

U.S. estimates of interceptions from Henry and Aro (1981) were used for the following strata:

BC 1 OUT GN,SE

BC 3-(7-17) GN,SE

BC 5 OUT GN,SE

BC 5 IN GN,SE

AK 101-OUT GN

AK 104 SE,TR

AK 152 TR

Interception rates were assumed to be equal to the U.S. estimate in Henry and Aro (1981) given for Area 5 GN and SE for the following strata: (note - no estimates were provided in Henry and Aro)

BC 4 OUT GN,SE

BC 4 IN GN,SE  
 BC 5 TR

Interceptions were assumed to be zero for the following strata: (note - no estimates were provided in Henry and Aro)

BC 1 IN GN,SE  
 BC 2E GN,SE,TR  
 BC 2W GN,SE,TR  
 BC ALL SP

AK 101 TERM GN,SE,TR  
 AK 102 FALL SE  
 AK 103 SE,TR  
 AK 105 SE,TR  
 AK 106-OUT GN,SE,TR  
 AK 106-44 GN,TR  
 AK 107-OUT SE,TR  
 AK 107-45 GN,SE,TR  
 AK 108-OUT GN,TR  
 AK 108-45 GN,TR  
 AK ALL SP

Interception estimate is ADF&G researchers best guess for the following strata:

BC 1 TR (0.25 used 1980-88)  
 BC 3-(1) GN,SE (0.50 used 1980-83; 0.70 used 1984-88)  
 BC 3-(2-4) GN,SE (0.50 used 1980-83; 0.70 used 1984-88)  
 BC 3 TR (0.50 used 1980-83; 0.70 used 1984-88)

AK 101-OUT SE,TR (0.05 used 1980-88)  
 AK 101 ANN GN,SE,OG (0.05 used 1980-88)  
 AK 102 GN (0.05 used 1980-88)  
 AK 102 SUMM SE (0.05 used 1980-88)  
 AK 102 TR (0.05 used 1980-88)

## References:

Henry and Aro. 1981. Tenth Report of the Technical Committee on Salmon Interceptions. Final Estimates of Salmon Interceptions and Ex-vessel Values - 1978.

## CANADIAN NORTHERN BOUNDARY FOOTNOTES - CHUM SALMON

### Catches:

B.C. Commercial catches of chum represent sales slip data from publications of B.C. Catch Statistics (CDFO 1980-1987). The 1988 data is preliminary sales slip data. Areas 3, 4 and 5 have been partitioned into outside and inside catches using sales slip data to prorate inseason sub-area hail data. Area 3 catch data is separated into sub-areas 3(-1), 3(2-4) and 3(7-17) and Area 5 outer sub-areas, 5(10-12) are separated from inside sub-areas for all years, 1980-1988. Area 4 outer sub-areas, 4(1-3,-13) are separated from the rest of Area 4 for years 1984-1988. (Area 4 hail data was not collected by sub-area prior to 1984). Area 1 is partitioned into outside and inside catches for 1984-1988. No terminal fisheries were conducted in Area 1 during the period 1980-1983.

U.S. catch statistics were provided by ADF&G. U.S. catch strata were also subdivided into outside and terminal catch areas.

### Interceptions:

For southeast Alaska fisheries, chum interception rates by area and gear are the Canadian estimates from the tenth report of the Canada/U.S. Technical Committee on Salmon Interceptions (Henry and Aro, TCSI 1981). B.C. interceptions of southeast Alaska chum salmon were based on Canadian estimates of fixed, annual interception rates by Area (Subarea) and gear from TCSI (1981). For Area 5, TCSI (1981) provided an estimate for the outside of Area 5 (sub-area 5-1), and inside interceptions were assumed to be zero. The Area 3 troll estimate of interceptions was averaged from TCSI (1981) estimates for 3X and 3Y troll.

For certain fisheries, no interception estimates were available. Where appropriate, interception estimates from similar fisheries were applied, otherwise the interception rate was left blank.

New catch strata:

Canadian fisheries - Interceptions in Areas 2E gillnet, seine and troll and 2W gillnet, seine and troll were assumed to be zero. For troll strata in Areas 3, 4 and 5, the interception rate for outside net areas was applied.

Alaskan fisheries - For District 101-outside troll, the District 101-outside seine rate was applied. For all District 101 Annette Island fisheries (gillnet, seine, other), the District 101-outside seine rate was applied. For all District 101 terminal fisheries (gillnet, seine and troll), interceptions were assumed to be zero. For District 102 gillnet and troll, the District 102 seine rate was applied. Districts 103 and 104 seine rates were utilized for the troll fisheries in these strata. District 105 was assumed to have zero interceptions.

### References:

- CDFO. (1980-1987). Annual publications of British Columbia catch statistics by area and type of gear. Canada Department of Fisheries and Oceans, Vancouver, B.C.
- TCSI. (1981). Final estimates of salmon interceptions and ex-vessel values - 1978. Tenth report of the Technical Committee on Salmon Interceptions.

## **APPENDIX 3**

**CHINOOK TECHNICAL COMMITTEE (1980-1987 UNREVISED DATA)**

**INTERCEPTION ESTIMATES: CHINOOK**

## INTERCEPTION ESTIMATES: CHINOOK

FORMAT FOR CHINOOK INTERCEPTION DATA FILES PROVIDED TO TECHNICAL COMMITTEES 6/89:

**Col.**    Column Headings, Codes, Comments

**a**        YEAR (2 digits)

**b**        JURISDICTION (2 characters)

AK = Alaska

BC = British Columbia

CN = B.C. north of Cape Caution (U.S. files)

CS = B.C. south of Cape Caution (U.S. files)

OR = Oregon

SC = Pacific Salmon Commission

WA = Washington

**c**        AREA (official Statistical and Management Areas, or as found in source document, max. 18 characters)

**d**        GEAR (2 characters)

AL = All Gear

CO = All Commercial

CN = Commercial Net

GN = Gillnet (including setnet)

IF = Indian Food Fish

NC = Non-commercial (includes sport)

OG = Other Gear

ON = Other Net

SE = Purse Seine

SP = Sport

ST = Seine and Trap

TF = Test Fish

TR = Troll

**e**        SPEC (species, 4 characters)

**f**        CA (interception category, max. 2 characters)

A = Alaskan interception of B.C. salmon

B1 = Alaskan catch of transboundary salmon

B2 = B.C. catch of transboundary salmon  
C = B.C. interception of Alaskan salmon  
D = B.C. interception of Wash./Ore./Idaho/California salmon  
E = Washington/Oregon interception of B.C. salmon

g CATCH (number, 7 digits, right justified, no commas)

h\*\* NOTES (codes identifying catch numbers source, max. 2 char)

i WEIGHT (asterisk in printout)

j\*\* NOTES (codes identifying weight source, max. 2 char, U.S. files; supplementary catch notes in Canada's files)

k..l NOT USED

m Alaska (best estimate of proportion of catch of AK origin)

n..o NOT USED

p Southern U.S. (best estimate of proportion of catch of WA/OR origin)

q..r NOT USED

s Xboundary (best estimate of proportion of catch of transboundary origin)

t..u NOT USED

v B.C. (best estimate of proportion of catch of BC origin)

w,x\*\* NOTES (codes identifying interception source, max. 2 char)

y INTERCEPTIONS  
OTHER (interception proportion in cols. m, p or v times CATCH in col. g, or simply interceptions, 8 digits)

z INTERCEPTIONS  
XBR (for Xboundary only, interception proportion in col. s times CATCH in col.g, or simply interceptions, 8 digits)

aa CA (interception category, see column f)

ab TOTAL  
OTHER (sum of INTERCEPTIONS OTHER, 8 digits)

ac TOTAL  
XBR (sum of INTERCEPTIONS XBR, 8 digits)

ad EXCHANGED  
(\*'000) (interceptions in thousands as exchanged on January. 20, 1989)

ae TECHNICAL COMMITTEE

CH = Chinook Technical Committee  
CM = Chum Technical Committee  
CO = Coho Technical Committee  
FR = Fraser River Technical Committee  
NB = Northern Boundary Technical Committee  
TB = Transboundary Technical Committee

af ORIGINAL SORTED ORDER (June 20, 1989)

\*\* Notes for U.S. files are referenced by jurisdiction. For AK and CN, refer to notes for SOUTHEAST ALASKA AND NORTH - CENTRAL B.C. FISHERIES in U.S. Report.  
For WA, OR, and CS, refer to notes for WASHINGTON, OREGON, AND SOUTHERN B.C. FISHERIES in U.S. Report.

Chinook Tech Committee: Rows 9..819  
 FILE: USCHIN2 Transboundary TC: Rows 820..891

| YR JURISDICTION/AREA |    |      | CATCH |      |    |        | Alaska        |     |   |   | Xboundary |       |       |   | INTERCEPTIONS |     |       |     | TOTAL   | TOTAL EXCHANGED | Tech  | Orig |        |   |        |    |    |       |    |    |    |
|----------------------|----|------|-------|------|----|--------|---------------|-----|---|---|-----------|-------|-------|---|---------------|-----|-------|-----|---------|-----------------|-------|------|--------|---|--------|----|----|-------|----|----|----|
| a                    | b  | c    | GEAR  | SPEC | CA | NOTES  | Southern U.S. |     |   |   | B.C.      |       |       |   | OTHER         | XBR | OTHER | XBR | ( '000) | Cmte            | Seq # |      |        |   |        |    |    |       |    |    |    |
|                      |    |      | d     | e    | f  | g      | h             | i   | j | k | l         | m     | n     | o | p             | q   | r     | s   | t       | u               | v     | w    | x      | y | z      | aa | ab | ac    | ad | ae | af |
| 80                   | AK | IN   | TR    | CHIN | A  | 56367  | a             |     |   |   |           |       |       |   |               |     |       |     |         |                 | 0.500 | a    | 28184  | A |        |    |    |       |    | CH | 0  |
| 80                   | AK | OUT  | TR    | CHIN | A  | 229995 | a             |     |   |   |           |       |       |   |               |     |       |     |         |                 | 0.350 | a    | 80498  | A |        |    |    |       |    | CH | 1  |
| 80                   | AK | IN   | SE    | CHIN | A  | 1448   | a             |     |   |   |           |       |       |   |               |     |       |     |         |                 | 0.500 | a    | 724    | A |        |    |    |       |    | CH | 2  |
| 80                   | AK | OUT  | SE    | CHIN | A  | 11007  | a             |     |   |   |           |       |       |   |               |     |       |     |         |                 | 0.350 | a    | 3852   | A |        |    |    |       |    | CH | 3  |
| 80                   | AK | ALL  | GN    | CHIN | A  | 5332   | a             |     |   |   |           |       |       |   |               |     |       |     |         |                 | 0.500 | a    | 2666   | A |        |    |    |       |    | CH | 4  |
| 80                   | AK | ALL  | SP    | CHIN | A  | 19809  | b             |     |   |   |           |       |       |   |               |     |       |     |         |                 | 0.500 | a    | 9904   | A | 125829 |    |    | 125.8 |    | CH | 5  |
| 80                   | CN | 1-5  | OG    | CHIN | C  | 202357 | g             |     |   |   |           | 0.020 |       |   |               |     |       |     |         |                 | a     |      | 4047   | C | 4047   |    |    | 4.1   |    | CH | 15 |
| 80                   | CN | 1-6  | OG    | CHIN | D  | 24856  | g             |     |   |   |           |       | 0.230 |   |               |     |       |     |         |                 | b     |      | 5717   | D |        |    |    |       |    | CH | 16 |
| 80                   | CN | 1-6  | TR    | CHIN | D  | 177501 | g             |     |   |   |           |       | 0.300 |   |               |     |       |     |         |                 | b     |      | 53250  | D |        |    |    |       |    | CH | 17 |
| 80                   | CN | 7-10 | OG    | CHIN | D  | 36751  | g             |     |   |   |           |       | 0.260 |   |               |     |       |     |         |                 | b     |      | 9555   | D |        |    |    |       |    | CH | 18 |
| 80                   | CN | 7-10 | TR    | CHIN | D  | 45140  | g             |     |   |   |           |       | 0.180 |   |               |     |       |     |         |                 | b     |      | 8125   | D |        |    |    |       |    | CH | 19 |
| 80                   | CN | 1-10 | SP    | CHIN | D  | 20000  | i             |     |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | b     |      | 1200   | D |        |    |    |       |    | CH | 20 |
| 80                   | CS | 11   | GN    | CHIN | D  | 720    | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 138    | D |        |    |    |       |    | CH | 21 |
| 80                   | CS | 11   | TR    | CHIN | D  | 27034  | h             | **h |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | 0.940 | i    | 1622   | D |        |    |    |       |    | CH | 22 |
| 80                   | CS | 11   | SE    | CHIN | D  | 19     | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 4      | D |        |    |    |       |    | CH | 23 |
| 80                   | CS | 12   | GN    | CHIN | D  | 4215   | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 808    | D |        |    |    |       |    | CH | 24 |
| 80                   | CS | 12   | TR    | CHIN | D  | 11777  | h             | **h |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | 0.940 | i    | 707    | D |        |    |    |       |    | CH | 25 |
| 80                   | CS | 12   | SE    | CHIN | D  | 26409  | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 5060   | D |        |    |    |       |    | CH | 26 |
| 80                   | CS | 13   | TR    | CHIN | D  | 70908  | h             | **h |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | 0.940 | i    | 4254   | D |        |    |    |       |    | CH | 27 |
| 80                   | CS | 13   | SE    | CHIN | D  | 11194  | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 2145   | D |        |    |    |       |    | CH | 28 |
| 80                   | CS | 13   | GN    | CHIN | D  | 1185   | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 227    | D |        |    |    |       |    | CH | 29 |
| 80                   | CS | 14   | GN    | CHIN | D  | 365    | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 70     | D |        |    |    |       |    | CH | 30 |
| 80                   | CS | 14   | SE    | CHIN | D  | 77     | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 15     | D |        |    |    |       |    | CH | 31 |
| 80                   | CS | 14   | TR    | CHIN | D  | 69333  | h             | **h |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | 0.940 | i    | 4160   | D |        |    |    |       |    | CH | 32 |
| 80                   | CS | 15   | TR    | CHIN | D  | 19210  | h             | **h |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | 0.940 | i    | 1153   | D |        |    |    |       |    | CH | 33 |
| 80                   | CS | 15   | GN    | CHIN | D  | 115    | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 22     | D |        |    |    |       |    | CH | 34 |
| 80                   | CS | 16   | TR    | CHIN | D  | 14395  | h             | **h |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | 0.940 | i    | 864    | D |        |    |    |       |    | CH | 35 |
| 80                   | CS | 16   | GN    | CHIN | D  | 316    | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 61     | D |        |    |    |       |    | CH | 36 |
| 80                   | CS | 16   | SE    | CHIN | D  | 3683   | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 706    | D |        |    |    |       |    | CH | 37 |
| 80                   | CS | 17   | TR    | CHIN | D  | 92124  | h             | **h |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | 0.940 | i    | 5527   | D |        |    |    |       |    | CH | 38 |
| 80                   | CS | 17   | GN    | CHIN | D  | 309    | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 59     | D |        |    |    |       |    | CH | 39 |
| 80                   | CS | 17   | SE    | CHIN | D  | 13     | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 2      | D |        |    |    |       |    | CH | 40 |
| 80                   | CS | 18   | TR    | CHIN | D  | 6812   | h             | **h |   |   |           |       | 0.060 |   |               |     |       |     |         |                 | 0.940 | i    | 409    | D |        |    |    |       |    | CH | 41 |
| 80                   | CS | 18   | GN    | CHIN | D  | 18     | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 3      | D |        |    |    |       |    | CH | 42 |
| 80                   | CS | 18   | SE    | CHIN | D  | 243    | h             | **h |   |   |           |       | 0.192 |   |               |     |       |     |         |                 | 0.808 | i    | 47     | D |        |    |    |       |    | CH | 43 |
| 80                   | CS | 20   | GN    | CHIN | D  | 3692   | h             | **h |   |   |           |       | 0.645 |   |               |     |       |     |         |                 | 0.355 | i    | 2380   | D |        |    |    |       |    | CH | 44 |
| 80                   | CS | 20   | SE    | CHIN | D  | 4191   | h             | **h |   |   |           |       | 0.645 |   |               |     |       |     |         |                 | 0.355 | i    | 2702   | D |        |    |    |       |    | CH | 45 |
| 80                   | CS | 20   | TR    | CHIN | D  | 469    | h             | **h |   |   |           |       | 0.653 |   |               |     |       |     |         |                 | 0.347 | i    | 306    | D |        |    |    |       |    | CH | 46 |
| 80                   | CS | 21   | TR    | CHIN | D  | 36768  | h             | **h |   |   |           |       | 0.653 |   |               |     |       |     |         |                 | 0.347 | i    | 24006  | D |        |    |    |       |    | CH | 47 |
| 80                   | CS | 22   | GN    | CHIN | D  | 9      | h             | **h |   |   |           |       | 0.304 |   |               |     |       |     |         |                 | 0.696 | i    | 3      | D |        |    |    |       |    | CH | 48 |
| 80                   | CS | 22   | SE    | CHIN | D  | 48     | h             | **h |   |   |           |       | 0.304 |   |               |     |       |     |         |                 | 0.696 | i    | 15     | D |        |    |    |       |    | CH | 49 |
| 80                   | CS | 22   | TR    | CHIN | D  | 85     | h             | **h |   |   |           |       | 0.653 |   |               |     |       |     |         |                 | 0.347 | i    | 55     | D |        |    |    |       |    | CH | 50 |
| 80                   | CS | 23   | GN    | CHIN | D  | 36609  | h             | **h |   |   |           |       | 0.304 |   |               |     |       |     |         |                 | 0.696 | i    | 11144  | D |        |    |    |       |    | CH | 51 |
| 80                   | CS | 23   | TR    | CHIN | D  | 284829 | h             | **h |   |   |           |       | 0.653 |   |               |     |       |     |         |                 | 0.347 | i    | 185965 | D |        |    |    |       |    | CH | 52 |
| 80                   | CS | 23   | SE    | CHIN | D  | 21252  | h             | **h |   |   |           |       | 0.304 |   |               |     |       |     |         |                 | 0.696 | i    | 6469   | D |        |    |    |       |    | CH | 53 |
| 80                   | CS | 24   | GN    | CHIN | D  | 120    | h             | **h |   |   |           |       | 0.304 |   |               |     |       |     |         |                 | 0.696 | i    | 37     | D |        |    |    |       |    | CH | 54 |
| 80                   | CS | 24   | SE    | CHIN | D  | 172    | h             | **h |   |   |           |       | 0.304 |   |               |     |       |     |         |                 | 0.696 | i    | 52     | D |        |    |    |       |    | CH | 55 |





Chinook Tech Committee: Rows 9..819  
 Transboundary TC: Rows 820..891

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| YR JURISDICTION/AREA |    |      | CATCH |      |    |        | Alaska        |     |   |   | Xboundary |       |       |     | INTERCEPTIONS |       |     | TOTAL   | TOTAL | EXCHANGED | Tech  | Orig |        |   |        |    |    |       |    |    |     |
|----------------------|----|------|-------|------|----|--------|---------------|-----|---|---|-----------|-------|-------|-----|---------------|-------|-----|---------|-------|-----------|-------|------|--------|---|--------|----|----|-------|----|----|-----|
| a                    | b  | c    | GEAR  | SPEC | CA | NOTES  | Southern U.S. |     |   |   | B.C.      | NOTES | OTHER | XBR | CA            | OTHER | XBR | ( '000) | Cmte  | Seq #     |       |      |        |   |        |    |    |       |    |    |     |
|                      |    |      | d     | e    | f  | g      | h             | i   | j | k | l         | m     | n     | o   | p             | q     | r   | s       | t     | u         | v     | w    | x      | y | z      | aa | ab | ac    | ad | ae | af  |
| 81                   | CS | 18   | TR    | CHIN | D  | 11567  | h             | **h |   |   |           |       | 0.063 |     |               |       |     |         |       |           | 0.937 | i    | 724    | D |        |    |    |       |    | CH | 159 |
| 81                   | CS | 18   | GN    | CHIN | D  | 50     | h             | **h |   |   |           |       | 0.202 |     |               |       |     |         |       |           | 0.798 | i    | 10     | D |        |    |    |       |    | CH | 160 |
| 81                   | CS | 19   | GN    | CHIN | D  | 3      | h             | **h |   |   |           |       | 0.202 |     |               |       |     |         |       |           | 0.798 | i    | 1      | D |        |    |    |       |    | CH | 161 |
| 81                   | CS | 20   | GN    | CHIN | D  | 5853   | h             | **h |   |   |           |       | 0.668 |     |               |       |     |         |       |           | 0.332 | i    | 3912   | D |        |    |    |       |    | CH | 162 |
| 81                   | CS | 20   | TR    | CHIN | D  | 617    | h             | **h |   |   |           |       | 0.687 |     |               |       |     |         |       |           | 0.313 | i    | 424    | D |        |    |    |       |    | CH | 163 |
| 81                   | CS | 20   | SE    | CHIN | D  | 23392  | h             | **h |   |   |           |       | 0.668 |     |               |       |     |         |       |           | 0.332 | i    | 15633  | D |        |    |    |       |    | CH | 164 |
| 81                   | CS | 21   | TR    | CHIN | D  | 28508  | h             | **h |   |   |           |       | 0.687 |     |               |       |     |         |       |           | 0.313 | i    | 19596  | D |        |    |    |       |    | CH | 165 |
| 81                   | CS | 22   | GN    | CHIN | D  | 3      | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 1      | D |        |    |    |       |    | CH | 166 |
| 81                   | CS | 23   | SE    | CHIN | D  | 28716  | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 8919   | D |        |    |    |       |    | CH | 167 |
| 81                   | CS | 23   | TR    | CHIN | D  | 233392 | h             | **h |   |   |           |       | 0.687 |     |               |       |     |         |       |           | 0.313 | i    | 160434 | D |        |    |    |       |    | CH | 168 |
| 81                   | CS | 23   | GN    | CHIN | D  | 43521  | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 13518  | D |        |    |    |       |    | CH | 169 |
| 81                   | CS | 24   | TR    | CHIN | D  | 53865  | h             | **h |   |   |           |       | 0.687 |     |               |       |     |         |       |           | 0.313 | i    | 37027  | D |        |    |    |       |    | CH | 170 |
| 81                   | CS | 24   | GN    | CHIN | D  | 8      | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 2      | D |        |    |    |       |    | CH | 171 |
| 81                   | CS | 24   | SE    | CHIN | D  | 245    | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 76     | D |        |    |    |       |    | CH | 172 |
| 81                   | CS | 25   | SE    | CHIN | D  | 317    | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 98     | D |        |    |    |       |    | CH | 173 |
| 81                   | CS | 25   | TR    | CHIN | D  | 26934  | h             | **h |   |   |           |       | 0.687 |     |               |       |     |         |       |           | 0.313 | i    | 18514  | D |        |    |    |       |    | CH | 174 |
| 81                   | CS | 25   | GN    | CHIN | D  | 42     | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 13     | D |        |    |    |       |    | CH | 175 |
| 81                   | CS | 26   | GN    | CHIN | D  | 7      | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 2      | D |        |    |    |       |    | CH | 176 |
| 81                   | CS | 26   | SE    | CHIN | D  | 14     | h             | **h |   |   |           |       | 0.311 |     |               |       |     |         |       |           | 0.689 | i    | 4      | D |        |    |    |       |    | CH | 177 |
| 81                   | CS | 26   | TR    | CHIN | D  | 15795  | h             | **h |   |   |           |       | 0.687 |     |               |       |     |         |       |           | 0.313 | i    | 10857  | D |        |    |    |       |    | CH | 178 |
| 81                   | CS | 27   | TR    | CHIN | D  | 39024  | h             | **h |   |   |           |       | 0.687 |     |               |       |     |         |       |           | 0.313 | i    | 26825  | D |        |    |    |       |    | CH | 179 |
| 81                   | CS | 27   | GN    | CHIN | D  | 13     | h             | **h |   |   |           |       | 0.310 |     |               |       |     |         |       |           | 0.689 | i    | 4      | D |        |    |    |       |    | CH | 180 |
| 81                   | CS | 28   | SP    | CHIN | D  | 255000 | h             | **h |   |   |           |       | 0.205 |     |               |       |     |         |       |           | 0.795 | i    | 52275  | D |        |    |    |       |    | CH | 181 |
| 81                   | CS | 29AB | TR    | CHIN | D  | 1949   | h             | **h |   |   |           |       | 0.063 |     |               |       |     |         |       |           | 0.937 | i    | 122    | D |        |    |    |       |    | CH | 182 |
| 81                   | CS | 29AB | GN    | CHIN | D  | 11476  | h             | **h |   |   |           |       | 0.017 |     |               |       |     |         |       |           | 0.984 | i    | 189    | D |        |    |    |       |    | CH | 183 |
| 81                   | CS | 29C  | GN    | CHIN | D  | 715    | h             | **h |   |   |           |       |       |     |               |       |     |         |       |           |       |      | 0      | D |        |    |    |       |    | CH | 184 |
| 81                   | CS | 29C  | TR    | CHIN | D  | 16     | h             | **h |   |   |           |       |       |     |               |       |     |         |       |           |       |      | 0      | D |        |    |    |       |    | CH | 185 |
| 81                   | CS | 29D  | GN    | CHIN | D  | 10256  | h             | **h |   |   |           |       |       |     |               |       |     |         |       |           |       |      | 0      | D | 473471 |    |    | 461.6 |    | CH | 186 |
| 81                   | OR | 01   | TR    | CHIN | E  | 86000  | a             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 187 |
| 81                   | OR | 01   | SP    | CHIN | E  | 11500  | a             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 188 |
| 81                   | OR | 02   | TR    | CHIN | E  | 24400  | a             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 189 |
| 81                   | OR | 02   | SP    | CHIN | E  | 4500   | a             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 190 |
| 81                   | OR | 03   | TR    | CHIN | E  | 27100  | a             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 191 |
| 81                   | OR | 03   | SP    | CHIN | E  | 2400   | a             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 192 |
| 81                   | OR | 04   | TR    | CHIN | E  | 12200  | a             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 193 |
| 81                   | OR | 04   | SP    | CHIN | E  | 1900   | a             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 194 |
| 81                   | WA | 01   | TR    | CHIN | E  | 20200  | b             |     |   |   |           |       | 0.920 |     |               |       |     |         |       |           | 0.080 | g    | 1616   | E |        |    |    |       |    | CH | 195 |
| 81                   | WA | 01   | SP    | CHIN | E  | 35300  | c             |     |   |   |           |       | 0.980 |     |               |       |     |         |       |           | 0.020 | g    | 706    | E |        |    |    |       |    | CH | 196 |
| 81                   | WA | 02   | TR    | CHIN | E  | 48902  | b             |     |   |   |           |       | 0.920 |     |               |       |     |         |       |           | 0.080 | g    | 3912   | E |        |    |    |       |    | CH | 197 |
| 81                   | WA | 02   | SP    | CHIN | E  | 57472  | c             |     |   |   |           |       | 0.980 |     |               |       |     |         |       |           | 0.020 | g    | 1149   | E |        |    |    |       |    | CH | 198 |
| 81                   | WA | 03   | TR    | CHIN | E  | 16862  | b             |     |   |   |           |       | 0.920 |     |               |       |     |         |       |           | 0.080 | g    | 1349   | E |        |    |    |       |    | CH | 199 |
| 81                   | WA | 03   | SP    | CHIN | E  | 75     | c             |     |   |   |           |       | 0.980 |     |               |       |     |         |       |           | 0.020 | g    | 2      | E |        |    |    |       |    | CH | 200 |
| 81                   | WA | 04   | GN    | CHIN | E  | 4      | b             |     |   |   |           |       | 1.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |        |    |    |       |    | CH | 201 |
| 81                   | WA | 04   | TR    | CHIN | E  | 3207   | b             |     |   |   |           |       | 0.920 |     |               |       |     |         |       |           | 0.080 | g    | 257    | E |        |    |    |       |    | CH | 202 |
| 81                   | WA | 04   | SP    | CHIN | E  | 3180   | c             |     |   |   |           |       | 0.980 |     |               |       |     |         |       |           | 0.020 | g    | 64     | E |        |    |    |       |    | CH | 203 |
| 81                   | WA | 04B  | GN    | CHIN | E  | 1159   | b             |     |   |   |           |       | 0.870 |     |               |       |     |         |       |           | 0.130 | g    | 151    | E |        |    |    |       |    | CH | 204 |
| 81                   | WA | 04B  | GN    | CHIN | E  | 4282   | b             |     |   |   |           |       | 0.870 |     |               |       |     |         |       |           | 0.130 | g    | 557    | E |        |    |    |       |    | CH | 205 |

Chinook Tech Committee: Rows 9..819  
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| YR JURISDICTION/AREA |    |      | CATCH |      |    |        | Alaska |     |   |   | Xboundary |   |       |       | INTERCEPTIONS |       |       | TOTAL | TOTAL EXCHANGED | Tech  | Orig  |        |      |        |       |    |       |      |    |    |     |     |
|----------------------|----|------|-------|------|----|--------|--------|-----|---|---|-----------|---|-------|-------|---------------|-------|-------|-------|-----------------|-------|-------|--------|------|--------|-------|----|-------|------|----|----|-----|-----|
|                      |    |      | GEAR  | SPEC | CA | NOTES  |        |     |   |   |           |   |       |       | B.C.          | NOTES | OTHER | XBR   | CA              | OTHER | XBR   | ('000) | Cmte | Seq #  |       |    |       |      |    |    |     |     |
| a                    | b  | c    | d     | e    | f  | g      | h      | i   | j | k | l         | m | n     | o     | p             | q     | r     | s     | t               | u     | v     | w      | x    | y      | z     | aa | ab    | ac   | ad | ae | af  |     |
| 81                   | WA | 04B  | TR    | CHIN | E  | 15952  | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 2074 | E      |       |    |       |      |    | CH | 206 |     |
| 81                   | WA | 05   | GN    | CHIN | E  | 7714   | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 1003 | E      |       |    |       |      |    | CH | 207 |     |
| 81                   | WA | 05   | GN    | CHIN | E  | 5128   | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 667  | E      |       |    |       |      |    | CH | 208 |     |
| 81                   | WA | 05   | TR    | CHIN | E  | 81     | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 11   | E      |       |    |       |      |    | CH | 209 |     |
| 81                   | WA | 05   | SP    | CHIN | E  | 17145  | c      |     |   |   |           |   |       | 0.860 |               |       |       |       |                 |       | 0.140 | g      | 2400 | E      |       |    |       |      |    | CH | 210 |     |
| 81                   | WA | 06   | ON    | CHIN | E  | 5      | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 1    | E      |       |    |       |      |    | CH | 211 |     |
| 81                   | WA | 06   | GN    | CHIN | E  | 3005   | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 391  | E      |       |    |       |      |    | CH | 212 |     |
| 81                   | WA | 06   | GN    | CHIN | E  | 11     | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 1    | E      |       |    |       |      |    | CH | 213 |     |
| 81                   | WA | 06   | SE    | CHIN | E  | 63     | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 8    | E      |       |    |       |      |    | CH | 214 |     |
| 81                   | WA | 06   | TR    | CHIN | E  | 4      | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 1    | E      |       |    |       |      |    | CH | 215 |     |
| 81                   | WA | 06   | SP    | CHIN | E  | 34207  | c      |     |   |   |           |   |       | 0.860 |               |       |       |       |                 |       | 0.140 | g      | 4789 | E      |       |    |       |      |    | CH | 216 |     |
| 81                   | WA | 06C  | ON    | CHIN | E  | 13     | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 2    | E      |       |    |       |      |    | CH | 217 |     |
| 81                   | WA | 06C  | GN    | CHIN | E  | 100    | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 13   | E      |       |    |       |      |    | CH | 218 |     |
| 81                   | WA | 06C  | GN    | CHIN | E  | 145    | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 19   | E      |       |    |       |      |    | CH | 219 |     |
| 81                   | WA | 06C  | TR    | CHIN | E  | 1243   | b      |     |   |   |           |   |       | 0.870 |               |       |       |       |                 |       | 0.130 | g      | 162  | E      |       |    |       |      |    | CH | 220 |     |
| 81                   | WA | 07   | ON    | CHIN | E  | 2      | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 0    | E      |       |    |       |      |    | CH | 221 |     |
| 81                   | WA | 07   | GN    | CHIN | E  | 8650   | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 1471 | E      |       |    |       |      |    | CH | 222 |     |
| 81                   | WA | 07   | GN    | CHIN | E  | 21     | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 4    | E      |       |    |       |      |    | CH | 223 |     |
| 81                   | WA | 07   | SE    | CHIN | E  | 21064  | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 3581 | E      |       |    |       |      |    | CH | 224 |     |
| 81                   | WA | 07   | ON    | CHIN | E  | 320    | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 54   | E      |       |    |       |      |    | CH | 225 |     |
| 81                   | WA | 07   | SP    | CHIN | E  | 9727   | c      |     |   |   |           |   |       | 0.980 |               |       |       |       |                 |       | 0.020 | g      | 195  | E      |       |    |       |      |    | CH | 226 |     |
| 81                   | WA | 07A  | GN    | CHIN | E  | 4040   | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 687  | E      |       |    |       |      |    | CH | 227 |     |
| 81                   | WA | 07A  | GN    | CHIN | E  | 14     | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 2    | E      |       |    |       |      |    | CH | 228 |     |
| 81                   | WA | 07A  | SE    | CHIN | E  | 12821  | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 2180 | E      |       |    |       |      |    | CH | 229 |     |
| 81                   | WA | 07A  | ON    | CHIN | E  | 43     | b      |     |   |   |           |   |       | 0.930 |               |       |       |       |                 |       | 0.170 | g      | 7    | E      |       |    |       |      |    | CH | 230 |     |
| 81                   | WA | 09   | GN    | CHIN | E  | 1457   | b      |     |   |   |           |   |       | 0.000 |               |       |       |       |                 |       | 0.000 | g      | 0    | E      |       |    |       |      |    | CH | 231 |     |
| 81                   | WA | 09   | GN    | CHIN | E  | 0      | b      |     |   |   |           |   |       | 0.000 |               |       |       |       |                 |       | 0.000 | g      | 0    | E      |       |    |       |      |    | CH | 232 |     |
| 81                   | WA | 09   | SE    | CHIN | E  | 216    | b      |     |   |   |           |   |       | 0.000 |               |       |       |       |                 |       | 0.000 | g      | 0    | E      |       |    |       |      |    | CH | 233 |     |
| 81                   | WA | 09   | SP    | CHIN | E  | 27027  | c      |     |   |   |           |   |       | 0.000 |               |       |       |       |                 |       | 0.000 | g      | 0    | E      | 29481 |    |       | 29.5 |    | CH | 234 |     |
| 82                   | AK | IN   | TR    | CHIN | A  | 57117  | a      |     |   |   |           |   |       | 0.500 |               |       |       |       |                 |       | a     | 28559  | A    |        |       |    |       |      |    | CH | 235 |     |
| 82                   | AK | OUT  | TR    | CHIN | A  | 190633 | a      |     |   |   |           |   |       | 0.350 |               |       |       |       |                 |       | a     | 66722  | A    |        |       |    |       |      |    |    | CH  | 236 |
| 82                   | AK | IN   | SE    | CHIN | A  | 9220   | a      |     |   |   |           |   |       | 0.500 |               |       |       |       |                 |       | a     | 4610   | A    |        |       |    |       |      |    |    | CH  | 237 |
| 82                   | AK | OUT  | SE    | CHIN | A  | 22000  | a      |     |   |   |           |   |       | 0.350 |               |       |       |       |                 |       | a     | 7700   | A    |        |       |    |       |      |    |    | CH  | 238 |
| 82                   | AK | ALL  | GN    | CHIN | A  | 16194  | a      |     |   |   |           |   |       | 0.500 |               |       |       |       |                 |       | a     | 8097   | A    |        |       |    |       |      |    |    | CH  | 239 |
| 82                   | AK | ALL  | SP    | CHIN | A  | 25241  | b      |     |   |   |           |   |       | 0.500 |               |       |       |       |                 |       | a     | 12620  | A    | 128307 |       |    | 128.3 |      |    | CH | 240 |     |
| 82                   | CN | 1-5  | OG    | CHIN | C  | 255772 | g      |     |   |   | 0.020     |   |       |       |               |       |       |       |                 |       | a     | 5115   | C    | 5115   |       |    |       | 5.1  |    | CH | 250 |     |
| 82                   | CN | 1-6  | OG    | CHIN | D  | 68791  | g      |     |   |   |           |   | 0.250 |       |               |       |       |       |                 |       | b     | 17198  | D    |        |       |    |       |      |    | CH | 251 |     |
| 82                   | CN | 1-6  | TR    | CHIN | D  | 186981 | g      |     |   |   |           |   | 0.340 |       |               |       |       |       |                 |       | b     | 63574  | D    |        |       |    |       |      |    | CH | 252 |     |
| 82                   | CN | 7-10 | OG    | CHIN | D  | 34522  | g      |     |   |   |           |   | 0.290 |       |               |       |       |       |                 |       | b     | 10011  | D    |        |       |    |       |      |    | CH | 253 |     |
| 82                   | CN | 7-10 | TR    | CHIN | D  | 3029   | g      |     |   |   |           |   | 0.220 |       |               |       |       |       |                 |       | b     | 666    | D    |        |       |    |       |      |    | CH | 254 |     |
| 82                   | CN | 1-10 | SP    | CHIN | D  | 20000  | i      |     |   |   |           |   | 0.070 |       |               |       |       |       |                 |       | b     | 1400   | D    |        |       |    |       |      |    | CH | 255 |     |
| 82                   | CS | 11   | TR    | CHIN | D  | 17566  | h      | **h |   |   |           |   | 0.068 |       |               |       |       |       |                 |       | 0.932 | i      | 1191 | D      |       |    |       |      |    | CH | 256 |     |
| 82                   | CS | 11   | GN    | CHIN | D  | 719    | h      | **h |   |   |           |   | 0.193 |       |               |       |       |       |                 |       | 0.807 | i      | 139  | D      |       |    |       |      |    | CH | 257 |     |
| 82                   | CS | 12   | TR    | CHIN | D  | 11342  | h      | **h |   |   |           |   | 0.068 |       |               |       |       |       |                 |       | 0.932 | i      | 769  | D      |       |    |       |      |    | CH | 258 |     |
| 82                   | CS | 12   | SE    | CHIN | D  | 24245  | h      | **h |   |   |           |   | 0.193 |       |               |       |       |       |                 |       | 0.807 | i      | 4672 | D      |       |    |       |      |    | CH | 259 |     |
| 82                   | CS | 12   | GN    | CHIN | D  | 3973   | h      | **h |   |   |           |   | 0.193 |       |               |       |       |       |                 |       | 0.807 | i      | 766  | D      |       |    |       |      |    | CH | 260 |     |
| 82                   | CS | 13   | GN    | CHIN | D  | 2290   | h      | **h |   |   |           |   | 0.193 |       |               |       |       |       |                 |       | 0.807 | i      | 441  | D      |       |    |       |      |    | CH | 261 |     |



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 FILE: USCHIN2 Transboundary TC: Rows 820..891

| YR JURISDICTION/AREA |    |     | GEAR SPEC CA |      | CATCH (number) | NOTES  | Alaska |   | Xboundary |   |   |       |       | B.C. |   | INTERCEPTIONS |   | TOTAL | TOTAL EXCHANGED | Tech | Orig  |   |       |   |        |    |    |       |    |     |    |
|----------------------|----|-----|--------------|------|----------------|--------|--------|---|-----------|---|---|-------|-------|------|---|---------------|---|-------|-----------------|------|-------|---|-------|---|--------|----|----|-------|----|-----|----|
| a                    | b  | c   | d            | e    | f              | g      | h      | i | j         | k | l | m     | n     | o    | p | q             | r | s     | t               | u    | v     | w | x     | y | z      | aa | ab | ac    | ad | ae  | af |
| 82                   | OR | 04  | SP           | CHIN | E              | 1400   | a      |   |           |   |   |       | 0.000 |      |   |               |   |       |                 |      | 0.000 | g | 0     | E |        |    |    |       | CH | 309 |    |
| 82                   | WA | 01  | TR           | CHIN | E              | 26300  | b      |   |           |   |   |       | 0.940 |      |   |               |   |       |                 |      | 0.060 | g | 1578  | E |        |    |    |       | CH | 310 |    |
| 82                   | WA | 01  | SP           | CHIN | E              | 27600  | c      |   |           |   |   |       | 0.980 |      |   |               |   |       |                 |      | 0.020 | g | 552   | E |        |    |    |       | CH | 311 |    |
| 82                   | WA | 02  | TR           | CHIN | E              | 75624  | b      |   |           |   |   |       | 0.940 |      |   |               |   |       |                 |      | 0.060 | g | 4537  | E |        |    |    |       | CH | 312 |    |
| 82                   | WA | 02  | SP           | CHIN | E              | 83091  | c      |   |           |   |   |       | 0.980 |      |   |               |   |       |                 |      | 0.020 | g | 1662  | E |        |    |    |       | CH | 313 |    |
| 82                   | WA | 03  | TR           | CHIN | E              | 15256  | b      |   |           |   |   |       | 0.940 |      |   |               |   |       |                 |      | 0.060 | g | 915   | E |        |    |    |       | CH | 314 |    |
| 82                   | WA | 03  | SP           | CHIN | E              | 998    | c      |   |           |   |   |       | 0.980 |      |   |               |   |       |                 |      | 0.020 | g | 20    | E |        |    |    |       | CH | 315 |    |
| 82                   | WA | 04  | GN           | CHIN | E              | 0      | b      |   |           |   |   |       | 1.000 |      |   |               |   |       |                 |      | 0.000 | g | 0     | E |        |    |    |       | CH | 316 |    |
| 82                   | WA | 04  | GN           | CHIN | E              | 235    | b      |   |           |   |   |       | 1.000 |      |   |               |   |       |                 |      | 0.000 | g | 0     | E |        |    |    |       | CH | 317 |    |
| 82                   | WA | 04  | TR           | CHIN | E              | 29219  | b      |   |           |   |   |       | 0.940 |      |   |               |   |       |                 |      | 0.060 | g | 1753  | E |        |    |    |       | CH | 318 |    |
| 82                   | WA | 04  | SP           | CHIN | E              | 3180   | c      |   |           |   |   |       | 0.980 |      |   |               |   |       |                 |      | 0.020 | g | 64    | E |        |    |    |       | CH | 319 |    |
| 82                   | WA | 04B | ON           | CHIN | E              | 1      | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 0     | E |        |    |    |       | CH | 320 |    |
| 82                   | WA | 04B | GN           | CHIN | E              | 3866   | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 464   | E |        |    |    |       | CH | 321 |    |
| 82                   | WA | 04B | GN           | CHIN | E              | 2545   | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 305   | E |        |    |    |       | CH | 322 |    |
| 82                   | WA | 04B | TR           | CHIN | E              | 19902  | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 2388  | E |        |    |    |       | CH | 323 |    |
| 82                   | WA | 05  | ON           | CHIN | E              | 22     | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 3     | E |        |    |    |       | CH | 324 |    |
| 82                   | WA | 05  | GN           | CHIN | E              | 14889  | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 1787  | E |        |    |    |       | CH | 325 |    |
| 82                   | WA | 05  | GN           | CHIN | E              | 891    | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 107   | E |        |    |    |       | CH | 326 |    |
| 82                   | WA | 05  | TR           | CHIN | E              | 76     | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 9     | E |        |    |    |       | CH | 327 |    |
| 82                   | WA | 05  | SP           | CHIN | E              | 12538  | c      |   |           |   |   |       | 0.870 |      |   |               |   |       |                 |      | 0.130 | g | 1630  | E |        |    |    |       | CH | 328 |    |
| 82                   | WA | 06  | GN           | CHIN | E              | 2985   | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 358   | E |        |    |    |       | CH | 329 |    |
| 82                   | WA | 06  | SE           | CHIN | E              | 0      | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 0     | E |        |    |    |       | CH | 330 |    |
| 82                   | WA | 06  | SP           | CHIN | E              | 17304  | c      |   |           |   |   |       | 0.870 |      |   |               |   |       |                 |      | 0.130 | g | 2250  | E |        |    |    |       | CH | 331 |    |
| 82                   | WA | 06C | ON           | CHIN | E              | 19     | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 2     | E |        |    |    |       | CH | 332 |    |
| 82                   | WA | 06C | GN           | CHIN | E              | 156    | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 19    | E |        |    |    |       | CH | 333 |    |
| 82                   | WA | 06C | GN           | CHIN | E              | 158    | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 19    | E |        |    |    |       | CH | 334 |    |
| 82                   | WA | 06C | TR           | CHIN | E              | 211    | b      |   |           |   |   |       | 0.880 |      |   |               |   |       |                 |      | 0.120 | g | 25    | E |        |    |    |       | CH | 335 |    |
| 82                   | WA | 07  | GN           | CHIN | E              | 8335   | b      |   |           |   |   |       | 0.930 |      |   |               |   |       |                 |      | 0.070 | g | 583   | E |        |    |    |       | CH | 336 |    |
| 82                   | WA | 07  | GN           | CHIN | E              | 75     | b      |   |           |   |   |       | 0.930 |      |   |               |   |       |                 |      | 0.070 | g | 5     | E |        |    |    |       | CH | 337 |    |
| 82                   | WA | 07  | SE           | CHIN | E              | 14554  | b      |   |           |   |   |       | 0.930 |      |   |               |   |       |                 |      | 0.070 | g | 1019  | E |        |    |    |       | CH | 338 |    |
| 82                   | WA | 07  | ON           | CHIN | E              | 534    | b      |   |           |   |   |       | 0.930 |      |   |               |   |       |                 |      | 0.070 | g | 37    | E |        |    |    |       | CH | 339 |    |
| 82                   | WA | 07  | SP           | CHIN | E              | 6953   | c      |   |           |   |   |       | 0.980 |      |   |               |   |       |                 |      | 0.020 | g | 139   | E |        |    |    |       | CH | 340 |    |
| 82                   | WA | 07A | GN           | CHIN | E              | 3036   | b      |   |           |   |   |       | 0.930 |      |   |               |   |       |                 |      | 0.070 | g | 213   | E |        |    |    |       | CH | 341 |    |
| 82                   | WA | 07A | GN           | CHIN | E              | 25     | b      |   |           |   |   |       | 0.930 |      |   |               |   |       |                 |      | 0.070 | g | 2     | E |        |    |    |       | CH | 342 |    |
| 82                   | WA | 07A | SE           | CHIN | E              | 6166   | b      |   |           |   |   |       | 0.930 |      |   |               |   |       |                 |      | 0.070 | g | 432   | E |        |    |    |       | CH | 343 |    |
| 82                   | WA | 07A | ON           | CHIN | E              | 5      | b      |   |           |   |   |       | 0.930 |      |   |               |   |       |                 |      | 0.070 | g | 0     | E |        |    |    |       | CH | 344 |    |
| 82                   | WA | 09  | GN           | CHIN | E              | 3710   | b      |   |           |   |   |       | 0.000 |      |   |               |   |       |                 |      | 0.000 | g | 0     | E |        |    |    |       | CH | 345 |    |
| 82                   | WA | 09  | GN           | CHIN | E              | 19     | b      |   |           |   |   |       | 0.000 |      |   |               |   |       |                 |      | 0.000 | g | 0     | E |        |    |    |       | CH | 346 |    |
| 82                   | WA | 09  | SE           | CHIN | E              | 1735   | b      |   |           |   |   |       | 0.000 |      |   |               |   |       |                 |      | 0.000 | g | 0     | E |        |    |    |       | CH | 347 |    |
| 82                   | WA | 09  | SP           | CHIN | E              | 22156  | c      |   |           |   |   |       | 0.000 |      |   |               |   |       |                 |      | 0.000 | g | 0     | E | 22877  |    |    | 22.9  | CH | 348 |    |
| 83                   | AK | IN  | TR           | CHIN | A              | 68687  | a      |   |           |   |   |       | 0.500 |      |   |               |   |       |                 |      | 0.500 | a | 34344 | A |        |    |    |       | CH | 349 |    |
| 83                   | AK | OUT | TR           | CHIN | A              | 199084 | a      |   |           |   |   |       | 0.350 |      |   |               |   |       |                 |      | 0.350 | a | 69679 | A |        |    |    |       | CH | 350 |    |
| 83                   | AK | IN  | SE           | CHIN | A              | 1090   | a      |   |           |   |   |       | 0.500 |      |   |               |   |       |                 |      | 0.500 | a | 545   | A |        |    |    |       | CH | 351 |    |
| 83                   | AK | OUT | SE           | CHIN | A              | 12442  | a      |   |           |   |   |       | 0.350 |      |   |               |   |       |                 |      | 0.350 | a | 4355  | A |        |    |    |       | CH | 352 |    |
| 83                   | AK | ALL | GN           | CHIN | A              | 4833   | a      |   |           |   |   |       | 0.500 |      |   |               |   |       |                 |      | 0.500 | a | 2417  | A |        |    |    |       | CH | 353 |    |
| 83                   | AK | ALL | SP           | CHIN | A              | 21651  | b      |   |           |   |   |       | 0.500 |      |   |               |   |       |                 |      | 0.500 | a | 10826 | A | 122165 |    |    | 122.2 | CH | 354 |    |
| 83                   | CN | 1-5 | OG           | CHIN | C              | 189679 | g      |   |           |   |   | 0.020 |       |      |   |               |   |       |                 |      |       | a | 3794  | C | 3794   |    |    | 3.8   | CH | 364 |    |

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 FILE: USCHIN2 Transboundary TC: Rows 820..891

| YR JURISDICTION/AREA |    |      | GEAR SPEC CA |      | CATCH (number) | NOTES  | Alaska |     |   | Xboundary |   |   |   | B.C. |       | NOTES | INTERCEPTIONS |   | TOTAL | TOTAL | EXCHANGED | Tech  | Orig  |        |   |        |    |       |    |     |     |
|----------------------|----|------|--------------|------|----------------|--------|--------|-----|---|-----------|---|---|---|------|-------|-------|---------------|---|-------|-------|-----------|-------|-------|--------|---|--------|----|-------|----|-----|-----|
| a                    | b  | c    | d            | e    | f              | g      | h      | i   | j | k         | l | m | n | o    | p     | q     | r             | s | t     | u     | v         | w     | x     | y      | z | aa     | ab | ac    | ad | ae  | af  |
| 83                   | CN | 1-6  | OG           | CHIN | D              | 11360  | g      |     |   |           |   |   |   |      | 0.280 |       |               |   |       |       |           | b     | 3181  | D      |   |        |    |       |    | CH  | 365 |
| 83                   | CN | 1-6  | TR           | CHIN | D              | 178319 | g      |     |   |           |   |   |   |      | 0.360 |       |               |   |       |       |           | b     | 64195 | D      |   |        |    |       |    | CH  | 366 |
| 83                   | CN | 7-10 | OG           | CHIN | D              | 21569  | g      |     |   |           |   |   |   |      | 0.310 |       |               |   |       |       |           | b     | 6686  | D      |   |        |    |       |    | CH  | 367 |
| 83                   | CN | 7-10 | TR           | CHIN | D              | 35518  | g      |     |   |           |   |   |   |      | 0.240 |       |               |   |       |       |           | b     | 8524  | D      |   |        |    |       |    | CH  | 368 |
| 83                   | CN | 1-10 | SP           | CHIN | D              | 20000  | i      |     |   |           |   |   |   |      | 0.070 |       |               |   |       |       |           | b     | 1400  | D      |   |        |    |       |    | CH  | 369 |
| 83                   | CS | 11   | TR           | CHIN | D              | 39851  | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 2738   | D |        |    |       | CH | 370 |     |
| 83                   | CS | 11   | GN           | CHIN | D              | 464    | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 85     | D |        |    |       | CH | 371 |     |
| 83                   | CS | 12   | GN           | CHIN | D              | 3505   | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 644    | D |        |    |       | CH | 372 |     |
| 83                   | CS | 12   | SE           | CHIN | D              | 33617  | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 6179   | D |        |    |       | CH | 373 |     |
| 83                   | CS | 12   | TR           | CHIN | D              | 14936  | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 1026   | D |        |    |       | CH | 374 |     |
| 83                   | CS | 13   | SE           | CHIN | D              | 13235  | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 2433   | D |        |    |       | CH | 375 |     |
| 83                   | CS | 13   | GN           | CHIN | D              | 863    | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 159    | D |        |    |       | CH | 376 |     |
| 83                   | CS | 13   | TR           | CHIN | D              | 37826  | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 2599   | D |        |    |       | CH | 377 |     |
| 83                   | CS | 14   | TR           | CHIN | D              | 29159  | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 2003   | D |        |    |       | CH | 378 |     |
| 83                   | CS | 14   | GN           | CHIN | D              | 796    | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 146    | D |        |    |       | CH | 379 |     |
| 83                   | CS | 14   | SE           | CHIN | D              | 6      | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 1      | D |        |    |       | CH | 380 |     |
| 83                   | CS | 15   | TR           | CHIN | D              | 8580   | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 589    | D |        |    |       | CH | 381 |     |
| 83                   | CS | 16   | TR           | CHIN | D              | 3230   | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 222    | D |        |    |       | CH | 382 |     |
| 83                   | CS | 16   | GN           | CHIN | D              | 1637   | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 301    | D |        |    |       | CH | 383 |     |
| 83                   | CS | 16   | SE           | CHIN | D              | 5753   | h      | **h |   |           |   |   |   |      | 0.184 |       |               |   |       |       |           | 0.816 | i     | 1057   | D |        |    |       | CH | 384 |     |
| 83                   | CS | 17   | TR           | CHIN | D              | 20916  | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 1437   | D |        |    |       | CH | 385 |     |
| 83                   | CS | 18   | TR           | CHIN | D              | 2778   | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 191    | D |        |    |       | CH | 386 |     |
| 83                   | CS | 20   | TR           | CHIN | D              | 204    | h      | **h |   |           |   |   |   |      | 0.750 |       |               |   |       |       |           | 0.250 | i     | 153    | D |        |    |       | CH | 387 |     |
| 83                   | CS | 20   | GN           | CHIN | D              | 387    | h      | **h |   |           |   |   |   |      | 0.669 |       |               |   |       |       |           | 0.331 | i     | 259    | D |        |    |       | CH | 388 |     |
| 83                   | CS | 20   | SE           | CHIN | D              | 3302   | h      | **h |   |           |   |   |   |      | 0.669 |       |               |   |       |       |           | 0.331 | i     | 2209   | D |        |    |       | CH | 389 |     |
| 83                   | CS | 21   | TR           | CHIN | D              | 38584  | h      | **h |   |           |   |   |   |      | 0.750 |       |               |   |       |       |           | 0.250 | i     | 28953  | D |        |    |       | CH | 390 |     |
| 83                   | CS | 23   | TR           | CHIN | D              | 171319 | h      | **h |   |           |   |   |   |      | 0.750 |       |               |   |       |       |           | 0.250 | i     | 128558 | D |        |    |       | CH | 391 |     |
| 83                   | CS | 23   | SE           | CHIN | D              | 2923   | h      | **h |   |           |   |   |   |      | 0.359 |       |               |   |       |       |           | 0.641 | i     | 1049   | D |        |    |       | CH | 392 |     |
| 83                   | CS | 23   | GN           | CHIN | D              | 38841  | h      | **h |   |           |   |   |   |      | 0.359 |       |               |   |       |       |           | 0.641 | i     | 13936  | D |        |    |       | CH | 393 |     |
| 83                   | CS | 24   | TR           | CHIN | D              | 79693  | h      | **h |   |           |   |   |   |      | 0.750 |       |               |   |       |       |           | 0.250 | i     | 59802  | D |        |    |       | CH | 394 |     |
| 83                   | CS | 25   | SE           | CHIN | D              | 54     | h      | **h |   |           |   |   |   |      | 0.359 |       |               |   |       |       |           | 0.641 | i     | 19     | D |        |    |       | CH | 395 |     |
| 83                   | CS | 25   | TR           | CHIN | D              | 27044  | h      | **h |   |           |   |   |   |      | 0.750 |       |               |   |       |       |           | 0.250 | i     | 20294  | D |        |    |       | CH | 396 |     |
| 83                   | CS | 26   | TR           | CHIN | D              | 19299  | h      | **h |   |           |   |   |   |      | 0.750 |       |               |   |       |       |           | 0.250 | i     | 14482  | D |        |    |       | CH | 397 |     |
| 83                   | CS | 27   | TR           | CHIN | D              | 49428  | h      | **h |   |           |   |   |   |      | 0.750 |       |               |   |       |       |           | 0.280 | i     | 37091  | D |        |    |       | CH | 398 |     |
| 83                   | CS | 28   | SP           | CHIN | D              | 198000 | h      | **h |   |           |   |   |   |      | 0.198 |       |               |   |       |       |           | 0.802 | i     | 39184  | D |        |    |       | CH | 399 |     |
| 83                   | CS | 29AB | SE           | CHIN | D              | 7      | h      | **h |   |           |   |   |   |      | 0.014 |       |               |   |       |       |           | 0.986 | i     | 0      | D |        |    |       | CH | 400 |     |
| 83                   | CS | 29AB | GN           | CHIN | D              | 21897  | h      | **h |   |           |   |   |   |      | 0.014 |       |               |   |       |       |           | 0.986 | i     | 302    | D |        |    |       | CH | 401 |     |
| 83                   | CS | 29AB | TR           | CHIN | D              | 2572   | h      | **h |   |           |   |   |   |      | 0.069 |       |               |   |       |       |           | 0.931 | i     | 177    | D |        |    |       | CH | 402 |     |
| 83                   | CS | 29C  | GN           | CHIN | D              | 246    | h      | **h |   |           |   |   |   |      |       |       |               |   |       |       |           |       | 0     | D      |   |        |    |       | CH | 403 |     |
| 83                   | CS | 29D  | GN           | CHIN | D              | 3437   | h      | **h |   |           |   |   |   |      |       |       |               |   |       |       |           |       | 0     | D      |   | 452265 |    | 451.6 |    | CH  | 404 |
| 83                   | OR | 01   | TR           | CHIN | E              | 22000  | a      |     |   |           |   |   |   |      | 0.000 |       |               |   |       |       |           | 0.000 | g     | 0      | E |        |    |       | CH | 405 |     |
| 83                   | OR | 01   | SP           | CHIN | E              | 12400  | a      |     |   |           |   |   |   |      | 0.000 |       |               |   |       |       |           | 0.000 | g     | 0      | E |        |    |       | CH | 406 |     |
| 83                   | OR | 02   | TR           | CHIN | E              | 19800  | a      |     |   |           |   |   |   |      | 0.000 |       |               |   |       |       |           | 0.000 | g     | 0      | E |        |    |       | CH | 407 |     |
| 83                   | OR | 02   | SP           | CHIN | E              | 6600   | a      |     |   |           |   |   |   |      | 0.000 |       |               |   |       |       |           | 0.000 | g     | 0      | E |        |    |       | CH | 408 |     |
| 83                   | OR | 03   | TR           | CHIN | E              | 24000  | a      |     |   |           |   |   |   |      | 0.000 |       |               |   |       |       |           | 0.000 | g     | 0      | E |        |    |       | CH | 409 |     |
| 83                   | OR | 03   | SP           | CHIN | E              | 1600   | a      |     |   |           |   |   |   |      | 0.000 |       |               |   |       |       |           | 0.000 | g     | 0      | E |        |    |       | CH | 410 |     |
| 83                   | OR | 04   | TR           | CHIN | E              | 4900   | a      |     |   |           |   |   |   |      | 0.000 |       |               |   |       |       |           | 0.000 | g     | 0      | E |        |    |       | CH | 411 |     |

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 Transboundary TC: Rows 820..891

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| YR JURISDICTION/AREA |    |     | CATCH |      |    |        | Alaska |   |   |   | Xboundary |   |       |   | INTERCEPTIONS |       |       |     | TOTAL | TOTAL | EXCHANGED | Tech   | Orig  |       |   |        |    |       |    |    |     |
|----------------------|----|-----|-------|------|----|--------|--------|---|---|---|-----------|---|-------|---|---------------|-------|-------|-----|-------|-------|-----------|--------|-------|-------|---|--------|----|-------|----|----|-----|
|                      |    |     | GEAR  | SPEC | CA | NOTES  |        |   |   |   |           |   |       |   | B.C.          | NOTES | OTHER | XBR | CA    | OTHER | XBR       | ('000) | Cmte  | Seq # |   |        |    |       |    |    |     |
| a                    | b  | c   | d     | e    | f  | g      | h      | i | j | k | l         | m | n     | o | p             | q     | r     | s   | t     | u     | v         | w      | x     | y     | z | aa     | ab | ac    | ad | ae | af  |
| 83                   | OR | 04  | SP    | CHIN | E  | 700    | a      |   |   |   |           |   | 0.000 |   |               |       |       |     |       |       | 0.000     | g      | 0     |       | E |        |    |       |    | CH | 412 |
| 83                   | WA | 01  | TR    | CHIN | E  | 12500  | b      |   |   |   |           |   | 0.950 |   |               |       |       |     |       |       | 0.050     | g      | 625   |       | E |        |    |       |    | CH | 413 |
| 83                   | WA | 01  | SP    | CHIN | E  | 13400  | c      |   |   |   |           |   | 0.990 |   |               |       |       |     |       |       | 0.010     | g      | 134   |       | E |        |    |       |    | CH | 414 |
| 83                   | WA | 02  | TR    | CHIN | E  | 27603  | b      |   |   |   |           |   | 0.950 |   |               |       |       |     |       |       | 0.050     | g      | 1380  |       | E |        |    |       |    | CH | 415 |
| 83                   | WA | 02  | SP    | CHIN | E  | 35773  | c      |   |   |   |           |   | 0.990 |   |               |       |       |     |       |       | 0.010     | g      | 358   |       | E |        |    |       |    | CH | 416 |
| 83                   | WA | 03  | TR    | CHIN | E  | 6841   | b      |   |   |   |           |   | 0.950 |   |               |       |       |     |       |       | 0.050     | g      | 342   |       | E |        |    |       |    | CH | 417 |
| 83                   | WA | 03  | SP    | CHIN | E  | 139    | c      |   |   |   |           |   | 0.990 |   |               |       |       |     |       |       | 0.010     | g      | 1     |       | E |        |    |       |    | CH | 418 |
| 83                   | WA | 04  | GN    | CHIN | E  | 58     | b      |   |   |   |           |   | 1.000 |   |               |       |       |     |       |       | 0.000     | g      | 0     |       | E |        |    |       |    | CH | 419 |
| 83                   | WA | 04  | TR    | CHIN | E  | 12446  | b      |   |   |   |           |   | 0.950 |   |               |       |       |     |       |       | 0.050     | g      | 622   |       | E |        |    |       |    | CH | 420 |
| 83                   | WA | 04  | SP    | CHIN | E  | 2452   | c      |   |   |   |           |   | 0.990 |   |               |       |       |     |       |       | 0.010     | g      | 25    |       | E |        |    |       |    | CH | 421 |
| 83                   | WA | 04B | GN    | CHIN | E  | 889    | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 116   |       | E |        |    |       |    | CH | 422 |
| 83                   | WA | 04B | GN    | CHIN | E  | 6384   | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 830   |       | E |        |    |       |    | CH | 423 |
| 83                   | WA | 04B | TR    | CHIN | E  | 20110  | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 2614  |       | E |        |    |       |    | CH | 424 |
| 83                   | WA | 05  | GN    | CHIN | E  | 4114   | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 535   |       | E |        |    |       |    | CH | 425 |
| 83                   | WA | 05  | GN    | CHIN | E  | 4149   | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 539   |       | E |        |    |       |    | CH | 426 |
| 83                   | WA | 05  | TR    | CHIN | E  | 176    | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 23    |       | E |        |    |       |    | CH | 427 |
| 83                   | WA | 05  | SP    | CHIN | E  | 16839  | c      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 2189  |       | E |        |    |       |    | CH | 428 |
| 83                   | WA | 06  | GN    | CHIN | E  | 705    | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 92    |       | E |        |    |       |    | CH | 429 |
| 83                   | WA | 06  | TR    | CHIN | E  | 2      | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 0     |       | E |        |    |       |    | CH | 430 |
| 83                   | WA | 06  | SP    | CHIN | E  | 41221  | c      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 5359  |       | E |        |    |       |    | CH | 431 |
| 83                   | WA | 06C | ON    | CHIN | E  | 85     | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 11    |       | E |        |    |       |    | CH | 432 |
| 83                   | WA | 06C | GN    | CHIN | E  | 39     | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 5     |       | E |        |    |       |    | CH | 433 |
| 83                   | WA | 06C | GN    | CHIN | E  | 481    | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 63    |       | E |        |    |       |    | CH | 434 |
| 83                   | WA | 06C | TR    | CHIN | E  | 614    | b      |   |   |   |           |   | 0.870 |   |               |       |       |     |       |       | 0.130     | g      | 80    |       | E |        |    |       |    | CH | 435 |
| 83                   | WA | 07  | GN    | CHIN | E  | 4456   | b      |   |   |   |           |   | 0.910 |   |               |       |       |     |       |       | 0.090     | g      | 401   |       | E |        |    |       |    | CH | 436 |
| 83                   | WA | 07  | GN    | CHIN | E  | 3      | b      |   |   |   |           |   | 0.910 |   |               |       |       |     |       |       | 0.090     | g      | 0     |       | E |        |    |       |    | CH | 437 |
| 83                   | WA | 07  | SE    | CHIN | E  | 10779  | b      |   |   |   |           |   | 0.910 |   |               |       |       |     |       |       | 0.090     | g      | 970   |       | E |        |    |       |    | CH | 438 |
| 83                   | WA | 07  | ON    | CHIN | E  | 196    | b      |   |   |   |           |   | 0.910 |   |               |       |       |     |       |       | 0.090     | g      | 18    |       | E |        |    |       |    | CH | 439 |
| 83                   | WA | 07  | SP    | CHIN | E  | 15166  | c      |   |   |   |           |   | 0.980 |   |               |       |       |     |       |       | 0.020     | g      | 303   |       | E |        |    |       |    | CH | 440 |
| 83                   | WA | 07A | GN    | CHIN | E  | 3911   | b      |   |   |   |           |   | 0.910 |   |               |       |       |     |       |       | 0.090     | g      | 352   |       | E |        |    |       |    | CH | 441 |
| 83                   | WA | 07A | GN    | CHIN | E  | 60     | b      |   |   |   |           |   | 0.910 |   |               |       |       |     |       |       | 0.090     | g      | 5     |       | E |        |    |       |    | CH | 442 |
| 83                   | WA | 07A | SE    | CHIN | E  | 8011   | b      |   |   |   |           |   | 0.910 |   |               |       |       |     |       |       | 0.090     | g      | 721   |       | E |        |    |       |    | CH | 443 |
| 83                   | WA | 07A | ON    | CHIN | E  | 24     | b      |   |   |   |           |   | 0.910 |   |               |       |       |     |       |       | 0.090     | g      | 2     |       | E |        |    |       |    | CH | 444 |
| 83                   | WA | 09  | ON    | CHIN | E  | 0      | b      |   |   |   |           |   | 0.000 |   |               |       |       |     |       |       | 0.000     | g      | 0     |       | E |        |    |       |    | CH | 445 |
| 83                   | WA | 09  | GN    | CHIN | E  | 996    | b      |   |   |   |           |   | 0.000 |   |               |       |       |     |       |       | 0.000     | g      | 0     |       | E |        |    |       |    | CH | 446 |
| 83                   | WA | 09  | GN    | CHIN | E  | 13     | b      |   |   |   |           |   | 0.000 |   |               |       |       |     |       |       | 0.000     | g      | 0     |       | E |        |    |       |    | CH | 447 |
| 83                   | WA | 09  | SE    | CHIN | E  | 613    | b      |   |   |   |           |   | 0.000 |   |               |       |       |     |       |       | 0.000     | g      | 0     |       | E |        |    |       |    | CH | 448 |
| 83                   | WA | 09  | SP    | CHIN | E  | 37018  | c      |   |   |   |           |   | 0.000 |   |               |       |       |     |       |       | 0.000     | g      | 0     |       | E | 18715  |    | 18.7  |    | CH | 449 |
| 84                   | AK | IN  | TR    | CHIN | A  | 49559  | a      |   |   |   |           |   | 0.500 |   |               |       |       |     |       |       | 0.500     | a      | 24780 |       | A |        |    |       |    | CH | 450 |
| 84                   | AK | OUT | TR    | CHIN | A  | 180264 | a      |   |   |   |           |   | 0.350 |   |               |       |       |     |       |       | 0.350     | a      | 63092 |       | A |        |    |       |    | CH | 451 |
| 84                   | AK | IN  | SE    | CHIN | A  | 3594   | a      |   |   |   |           |   | 0.500 |   |               |       |       |     |       |       | 0.500     | a      | 1797  |       | A |        |    |       |    | CH | 452 |
| 84                   | AK | OUT | SE    | CHIN | A  | 17047  | a      |   |   |   |           |   | 0.350 |   |               |       |       |     |       |       | 0.350     | a      | 5966  |       | A |        |    |       |    | CH | 453 |
| 84                   | AK | ALL | GN    | CHIN | A  | 10016  | a      |   |   |   |           |   | 0.500 |   |               |       |       |     |       |       | 0.500     | a      | 5008  |       | A |        |    |       |    | CH | 454 |
| 84                   | AK | ALL | SP    | CHIN | A  | 20065  | b      |   |   |   |           |   | 0.500 |   |               |       |       |     |       |       | 0.500     | a      | 10033 |       | A | 110676 |    | 110.1 |    | CH | 455 |
| 84                   | CN | 1-5 | OG    | CHIN | C  | 230432 | g      |   |   |   | 0.020     |   |       |   |               |       |       |     |       |       |           | a      | 4609  |       | C | 4609   |    | 4.6   |    | CH | 465 |
| 84                   | CN | 1-6 | OG    | CHIN | D  | 37115  | g      |   |   |   |           |   | 0.330 |   |               |       |       |     |       |       |           | i      | 12248 |       | D |        |    |       |    | CH | 466 |
| 84                   | CN | 1-6 | TR    | CHIN | D  | 193317 | g      |   |   |   |           |   | 0.400 |   |               |       |       |     |       |       |           | i      | 77327 |       | D |        |    |       |    | CH | 467 |

Chinook Tech Committee: Rows 9..819  
 Transboundary TC: Rows 820..891

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| YR | JURISDICTION/AREA |      |    | CATCH |          | Alaska |        |     |   |   |   |               |   |   |       | Xboundary |      |       |       |     | INTERCEPTIONS |       |     | TOTAL  | TOTAL | EXCHANGED | Tech | Orig  |    |    |     |
|----|-------------------|------|----|-------|----------|--------|--------|-----|---|---|---|---------------|---|---|-------|-----------|------|-------|-------|-----|---------------|-------|-----|--------|-------|-----------|------|-------|----|----|-----|
|    |                   |      |    | CA    | (number) | NOTES  | Alaska |     |   |   |   | Southern U.S. |   |   |       |           | B.C. | NOTES | OTHER | XBR | CA            | OTHER | XBR | ('000) | Cmte  | Seq #     |      |       |    |    |     |
| a  | b                 | c    | d  | e     | f        | g      | h      | i   | j | k | l | m             | n | o | p     | q         | r    | s     | t     | u   | v             | w     | x   | y      | z     | aa        | ab   | ac    | ad | ae | af  |
| 84 | CN                | 7-10 | OG | CHIN  | D        | 7645   | g      |     |   |   |   |               |   |   | 0.360 |           |      |       |       |     |               |       | i   | 2752   | D     |           |      |       |    | CH | 468 |
| 84 | CN                | 7-10 | TR | CHIN  | D        | 25488  | g      |     |   |   |   |               |   |   | 0.250 |           |      |       |       |     |               |       | i   | 6372   | D     |           |      |       |    | CH | 469 |
| 84 | CN                | 1-10 | SP | CHIN  | D        | 20000  | i      |     |   |   |   |               |   |   | 0.080 |           |      |       |       |     |               |       | i   | 1600   | D     |           |      |       |    | CH | 470 |
| 84 | CS                | 11   | GN | CHIN  | D        | 142    | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 31     | D     |           |      |       |    | CH | 471 |
| 84 | CS                | 11   | TR | CHIN  | D        | 35352  | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 2259   | D     |           |      |       |    | CH | 472 |
| 84 | CS                | 12   | GN | CHIN  | D        | 4566   | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 982    | D     |           |      |       |    | CH | 473 |
| 84 | CS                | 12   | TR | CHIN  | D        | 8811   | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 563    | D     |           |      |       |    | CH | 474 |
| 84 | CS                | 12   | SE | CHIN  | D        | 21523  | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 4627   | D     |           |      |       |    | CH | 475 |
| 84 | CS                | 13   | SE | CHIN  | D        | 5615   | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 1207   | D     |           |      |       |    | CH | 476 |
| 84 | CS                | 13   | GN | CHIN  | D        | 459    | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 99     | D     |           |      |       |    | CH | 477 |
| 84 | CS                | 13   | TR | CHIN  | D        | 32566  | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 2081   | D     |           |      |       |    | CH | 478 |
| 84 | CS                | 14   | TR | CHIN  | D        | 31215  | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 1995   | D     |           |      |       |    | CH | 479 |
| 84 | CS                | 14   | GN | CHIN  | D        | 278    | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 60     | D     |           |      |       |    | CH | 480 |
| 84 | CS                | 14   | SE | CHIN  | D        | 907    | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 195    | D     |           |      |       |    | CH | 481 |
| 84 | CS                | 15   | TR | CHIN  | D        | 5745   | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 367    | D     |           |      |       |    | CH | 482 |
| 84 | CS                | 16   | TR | CHIN  | D        | 1657   | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 106    | D     |           |      |       |    | CH | 483 |
| 84 | CS                | 16   | SE | CHIN  | D        | 3992   | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 858    | D     |           |      |       |    | CH | 484 |
| 84 | CS                | 16   | GN | CHIN  | D        | 583    | h      | **h |   |   |   |               |   |   | 0.215 |           |      |       |       |     |               |       | i   | 125    | D     |           |      |       |    | CH | 485 |
| 84 | CS                | 17   | TR | CHIN  | D        | 13572  | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 867    | D     |           |      |       |    | CH | 486 |
| 84 | CS                | 18   | TR | CHIN  | D        | 1821   | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 116    | D     |           |      |       |    | CH | 487 |
| 84 | CS                | 20   | SE | CHIN  | D        | 17521  | h      | **h |   |   |   |               |   |   | 0.656 |           |      |       |       |     |               |       | i   | 11496  | D     |           |      |       |    | CH | 488 |
| 84 | CS                | 20   | GN | CHIN  | D        | 3281   | h      | **h |   |   |   |               |   |   | 0.656 |           |      |       |       |     |               |       | i   | 2153   | D     |           |      |       |    | CH | 489 |
| 84 | CS                | 20   | TR | CHIN  | D        | 275    | h      | **h |   |   |   |               |   |   | 0.719 |           |      |       |       |     |               |       | i   | 198    | D     |           |      |       |    | CH | 490 |
| 84 | CS                | 21   | SE | CHIN  | D        | 170    | h      | **h |   |   |   |               |   |   | 0.372 |           |      |       |       |     |               |       | i   | 63     | D     |           |      |       |    | CH | 491 |
| 84 | CS                | 21   | TR | CHIN  | D        | 20603  | h      | **h |   |   |   |               |   |   | 0.719 |           |      |       |       |     |               |       | i   | 14820  | D     |           |      |       |    | CH | 492 |
| 84 | CS                | 23   | SE | CHIN  | D        | 1538   | h      | **h |   |   |   |               |   |   | 0.372 |           |      |       |       |     |               |       | i   | 572    | D     |           |      |       |    | CH | 493 |
| 84 | CS                | 23   | GN | CHIN  | D        | 46605  | h      | **h |   |   |   |               |   |   | 0.372 |           |      |       |       |     |               |       | i   | 17318  | D     |           |      |       |    | CH | 494 |
| 84 | CS                | 23   | TR | CHIN  | D        | 238632 | h      | **h |   |   |   |               |   |   | 0.719 |           |      |       |       |     |               |       | i   | 171648 | D     |           |      |       |    | CH | 495 |
| 84 | CS                | 24   | TR | CHIN  | D        | 68618  | h      | **h |   |   |   |               |   |   | 0.719 |           |      |       |       |     |               |       | i   | 49357  | D     |           |      |       |    | CH | 496 |
| 84 | CS                | 25   | SE | CHIN  | D        | 2055   | h      | **h |   |   |   |               |   |   | 0.372 |           |      |       |       |     |               |       | i   | 764    | D     |           |      |       |    | CH | 497 |
| 84 | CS                | 25   | GN | CHIN  | D        | 253    | h      | **h |   |   |   |               |   |   | 0.372 |           |      |       |       |     |               |       | i   | 94     | D     |           |      |       |    | CH | 498 |
| 84 | CS                | 25   | TR | CHIN  | D        | 19812  | h      | **h |   |   |   |               |   |   | 0.719 |           |      |       |       |     |               |       | i   | 14251  | D     |           |      |       |    | CH | 499 |
| 84 | CS                | 26   | TR | CHIN  | D        | 29753  | h      | **h |   |   |   |               |   |   | 0.719 |           |      |       |       |     |               |       | i   | 21401  | D     |           |      |       |    | CH | 500 |
| 84 | CS                | 26   | GN | CHIN  | D        | 3      | h      | **h |   |   |   |               |   |   | 0.372 |           |      |       |       |     |               |       | i   | 1      | D     |           |      |       |    | CH | 501 |
| 84 | CS                | 26   | SE | CHIN  | D        | 147    | h      | **h |   |   |   |               |   |   | 0.372 |           |      |       |       |     |               |       | i   | 55     | D     |           |      |       |    | CH | 502 |
| 84 | CS                | 27   | TR | CHIN  | D        | 82639  | h      | **h |   |   |   |               |   |   | 0.719 |           |      |       |       |     |               |       | i   | 59442  | D     |           |      |       |    | CH | 503 |
| 84 | CS                | 27   | SP | CHIN  | D        | 44162  | h      |     |   |   |   |               |   |   | 0.104 |           |      |       |       |     |               |       | i   | 4593   | D     |           |      |       |    | CH | 504 |
| 84 | CS                | 28   | SP | CHIN  | D        | 369000 | h      |     |   |   |   |               |   |   | 0.200 |           |      |       |       |     |               |       | i   | 73652  | D     |           |      |       |    | CH | 505 |
| 84 | CS                | 29AB | TR | CHIN  | D        | 1555   | h      | **h |   |   |   |               |   |   | 0.064 |           |      |       |       |     |               |       | i   | 99     | D     |           |      |       |    | CH | 506 |
| 84 | CS                | 29AB | GN | CHIN  | D        | 21915  | h      | **h |   |   |   |               |   |   | 0.021 |           |      |       |       |     |               |       | i   | 456    | D     |           |      |       |    | CH | 507 |
| 84 | CS                | 29C  | GN | CHIN  | D        | 245    | h      | **h |   |   |   |               |   |   |       |           |      |       |       |     |               |       |     | D      |       |           |      |       |    | CH | 508 |
| 84 | CS                | 29C  | TR | CHIN  | D        | 27     | h      | **h |   |   |   |               |   |   |       |           |      |       |       |     |               |       |     | D      |       |           |      |       |    | CH | 509 |
| 84 | CS                | 29D  | GN | CHIN  | D        | 5766   | h      | **h |   |   |   |               |   |   |       |           |      |       |       |     |               |       |     | D      |       |           |      |       |    | CH | 510 |
| 84 | CS                | 29E  | GN | CHIN  | D        | 3      | h      | **h |   |   |   |               |   |   |       |           |      |       |       |     |               |       |     | D      |       | 559269    |      | 559.4 |    | CH | 511 |
| 84 | OR                | 01   | TR | CHIN  | E        | 24600  | a      |     |   |   |   |               |   |   | 0.000 |           |      |       |       |     |               |       | g   | 0      | E     |           |      |       |    | CH | 512 |
| 84 | OR                | 01   | SP | CHIN  | E        | 9000   | a      |     |   |   |   |               |   |   | 0.000 |           |      |       |       |     |               |       | g   | 0      | E     |           |      |       |    | CH | 513 |
| 84 | OR                | 02   | TR | CHIN  | E        | 15400  | a      |     |   |   |   |               |   |   | 0.000 |           |      |       |       |     |               |       | g   | 0      | E     |           |      |       |    | CH | 514 |

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| YR JURISDICTION/AREA |    |     | CATCH |      |    |        | Alaska        |   |   |   | Xboundary |       |       |     | INTERCEPTIONS |       |     |         | TOTAL | TOTAL EXCHANGED | Tech  | Orig  |      |   |   |       |       |      |      |    |     |     |
|----------------------|----|-----|-------|------|----|--------|---------------|---|---|---|-----------|-------|-------|-----|---------------|-------|-----|---------|-------|-----------------|-------|-------|------|---|---|-------|-------|------|------|----|-----|-----|
| a                    | b  | c   | GEAR  | SPEC | CA | NOTES  | Southern U.S. |   |   |   | B.C.      | NOTES | OTHER | XBR | CA            | OTHER | XBR | ( '000) | Cmte  | Seq #           |       |       |      |   |   |       |       |      |      |    |     |     |
|                      |    |     | d     | e    | f  | g      | h             | i | j | k | l         | m     | n     | o   | p             | q     | r   | s       | t     | u               | v     | w     | x    | y | z | aa    | ab    | ac   | ad   | ae | af  |     |
| 84                   | OR | 02  | SP    | CHIN | E  | 4900   | a             |   |   |   |           |       | 0.000 |     |               |       |     |         |       |                 | 0.000 | g     | 0    |   | E |       |       |      |      | CH | 515 |     |
| 84                   | OR | 03  | TR    | CHIN | E  | 18700  | a             |   |   |   |           |       | 0.000 |     |               |       |     |         |       |                 | 0.000 | g     | 0    |   | E |       |       |      |      | CH | 516 |     |
| 84                   | OR | 03  | SP    | CHIN | E  | 2000   | a             |   |   |   |           |       | 0.000 |     |               |       |     |         |       |                 | 0.000 | g     | 0    |   | E |       |       |      |      | CH | 517 |     |
| 84                   | OR | 04  | TR    | CHIN | E  | 1600   | a             |   |   |   |           |       | 0.000 |     |               |       |     |         |       |                 | 0.000 | g     | 0    |   | E |       |       |      |      | CH | 518 |     |
| 84                   | OR | 04  | SP    | CHIN | E  | 1100   | a             |   |   |   |           |       | 0.000 |     |               |       |     |         |       |                 | 0.000 | g     | 0    |   | E |       |       |      |      | CH | 519 |     |
| 84                   | WA | 01  | TR    | CHIN | E  | 2700   | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 189  |   | E |       |       |      |      | CH | 520 |     |
| 84                   | WA | 01  | SP    | CHIN | E  | 700    | c             |   |   |   |           |       | 0.980 |     |               |       |     |         |       |                 | 0.020 | g     | 14   |   | E |       |       |      |      | CH | 521 |     |
| 84                   | WA | 02  | TR    | CHIN | E  | 6219   | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 435  |   | E |       |       |      |      | CH | 522 |     |
| 84                   | WA | 02  | SP    | CHIN | E  | 6028   | c             |   |   |   |           |       | 0.980 |     |               |       |     |         |       |                 | 0.020 | g     | 121  |   | E |       |       |      |      | CH | 523 |     |
| 84                   | WA | 03  | TR    | CHIN | E  | 933    | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 65   |   | E |       |       |      |      | CH | 524 |     |
| 84                   | WA | 03  | SP    | CHIN | E  | 10     | c             |   |   |   |           |       | 0.980 |     |               |       |     |         |       |                 | 0.020 | g     | 0    |   | E |       |       |      |      | CH | 525 |     |
| 84                   | WA | 04  | TR    | CHIN | E  | 4412   | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 309  |   | E |       |       |      |      | CH | 526 |     |
| 84                   | WA | 04  | SP    | CHIN | E  | 229    | c             |   |   |   |           |       | 0.980 |     |               |       |     |         |       |                 | 0.020 | g     | 5    |   | E |       |       |      |      | CH | 527 |     |
| 84                   | WA | 04B | GN    | CHIN | E  | 614    | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 61   |   | E |       |       |      |      | CH | 528 |     |
| 84                   | WA | 04B | GN    | CHIN | E  | 864    | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 86   |   | E |       |       |      |      | CH | 529 |     |
| 84                   | WA | 04B | TR    | CHIN | E  | 14630  | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 1463 |   | E |       |       |      |      | CH | 530 |     |
| 84                   | WA | 05  | ON    | CHIN | E  | 24     | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 2    |   | E |       |       |      |      | CH | 531 |     |
| 84                   | WA | 05  | GN    | CHIN | E  | 3782   | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 378  |   | E |       |       |      |      | CH | 532 |     |
| 84                   | WA | 05  | GN    | CHIN | E  | 5097   | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 510  |   | E |       |       |      |      | CH | 533 |     |
| 84                   | WA | 05  | TR    | CHIN | E  | 1413   | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 141  |   | E |       |       |      |      | CH | 534 |     |
| 84                   | WA | 05  | SP    | CHIN | E  | 11993  | c             |   |   |   |           |       | 0.890 |     |               |       |     |         |       |                 | 0.110 | g     | 1319 |   | E |       |       |      |      | CH | 535 |     |
| 84                   | WA | 06  | GN    | CHIN | E  | 257    | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 26   |   | E |       |       |      |      | CH | 536 |     |
| 84                   | WA | 06  | TR    | CHIN | E  | 83     | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 8    |   | E |       |       |      |      | CH | 537 |     |
| 84                   | WA | 06  | SP    | CHIN | E  | 36010  | c             |   |   |   |           |       | 0.890 |     |               |       |     |         |       |                 | 0.110 | g     | 3961 |   | E |       |       |      |      | CH | 538 |     |
| 84                   | WA | 06C | GN    | CHIN | E  | 73     | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 7    |   | E |       |       |      |      | CH | 539 |     |
| 84                   | WA | 06C | GN    | CHIN | E  | 1666   | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 167  |   | E |       |       |      |      | CH | 540 |     |
| 84                   | WA | 06C | TR    | CHIN | E  | 527    | b             |   |   |   |           |       | 0.900 |     |               |       |     |         |       |                 | 0.100 | g     | 53   |   | E |       |       |      |      | CH | 541 |     |
| 84                   | WA | 07  | GN    | CHIN | E  | 6155   | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 431  |   | E |       |       |      |      | CH | 542 |     |
| 84                   | WA | 07  | ON    | CHIN | E  | 44     | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 3    |   | E |       |       |      |      | CH | 543 |     |
| 84                   | WA | 07  | GN    | CHIN | E  | 18     | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 1    |   | E |       |       |      |      | CH | 544 |     |
| 84                   | WA | 07  | SE    | CHIN | E  | 11676  | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 817  |   | E |       |       |      |      | CH | 545 |     |
| 84                   | WA | 07  | ON    | CHIN | E  | 131    | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 9    |   | E |       |       |      |      | CH | 546 |     |
| 84                   | WA | 07  | SP    | CHIN | E  | 25759  | c             |   |   |   |           |       | 0.980 |     |               |       |     |         |       |                 | 0.020 | g     | 515  |   | E |       |       |      |      | CH | 547 |     |
| 84                   | WA | 07A | GN    | CHIN | E  | 7516   | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 526  |   | E |       |       |      |      | CH | 548 |     |
| 84                   | WA | 07A | GN    | CHIN | E  | 10     | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 1    |   | E |       |       |      |      | CH | 549 |     |
| 84                   | WA | 07A | SE    | CHIN | E  | 6775   | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 474  |   | E |       |       |      |      | CH | 550 |     |
| 84                   | WA | 07A | ON    | CHIN | E  | 0      | b             |   |   |   |           |       | 0.930 |     |               |       |     |         |       |                 | 0.070 | g     | 0    |   | E |       |       |      |      | CH | 551 |     |
| 84                   | WA | 09  | GN    | CHIN | E  | 12     | b             |   |   |   |           |       | 0.000 |     |               |       |     |         |       |                 | 0.000 | g     | 0    |   | E |       |       |      |      | CH | 552 |     |
| 84                   | WA | 09  | GN    | CHIN | E  | 11     | b             |   |   |   |           |       | 0.000 |     |               |       |     |         |       |                 | 0.000 | g     | 0    |   | E |       |       |      |      | CH | 553 |     |
| 84                   | WA | 09  | SP    | CHIN | E  | 43303  | c             |   |   |   |           |       | 0.000 |     |               |       |     |         |       |                 | 0.000 | g     | 0    |   | E |       | 12099 |      | 12.1 |    | CH  | 554 |
| 85                   | AK | IN  | TR    | CHIN | A  | 43479  | a             |   |   |   |           |       | 0.500 |     |               |       |     |         |       |                 | a     | 21740 |      | A |   |       |       |      |      | CH | 555 |     |
| 85                   | AK | OUT | TR    | CHIN | A  | 151568 | a             |   |   |   |           |       | 0.350 |     |               |       |     |         |       |                 | a     | 53049 |      | A |   |       |       |      |      | CH | 556 |     |
| 85                   | AK | IN  | SE    | CHIN | A  | 7324   | a             |   |   |   |           |       | 0.500 |     |               |       |     |         |       |                 | a     | 3662  |      | A |   |       |       |      |      | CH | 557 |     |
| 85                   | AK | OUT | SE    | CHIN | A  | 14722  | a             |   |   |   |           |       | 0.350 |     |               |       |     |         |       |                 | a     | 5153  |      | A |   |       |       |      |      | CH | 558 |     |
| 85                   | AK | ALL | GN    | CHIN | A  | 9710   | a             |   |   |   |           |       | 0.500 |     |               |       |     |         |       |                 | a     | 4855  |      | A |   |       |       |      |      | CH | 559 |     |
| 85                   | AK | ALL | SP    | CHIN | A  | 21378  | b             |   |   |   |           |       | 0.500 |     |               |       |     |         |       |                 | a     | 10689 |      | A |   | 99147 |       | 99.2 |      | CH | 560 |     |
| 85                   | CN | 1-5 | OG    | CHIN | C  | 257387 | g             |   |   |   |           | 0.020 |       |     |               |       |     |         |       |                 | a     | 5148  |      | C |   | 5148  |       | 5.2  |      | CH | 570 |     |





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| YR | JURISDICTION/AREA |      |    | CATCH |      |        |          |       |   |   | Alaska |   |       |   |   | Xboundary |   |   |   |       | B.C. |        |   | NOTES  |   | INTERCEPTIONS |       |       | TOTAL | TOTAL | EXCHANGED | Tech    | Orig |
|----|-------------------|------|----|-------|------|--------|----------|-------|---|---|--------|---|-------|---|---|-----------|---|---|---|-------|------|--------|---|--------|---|---------------|-------|-------|-------|-------|-----------|---------|------|
|    |                   |      |    | GEAR  | SPEC | CA     | (number) | NOTES | g | h | i      | j | k     | l | m | n         | o | p | q | r     | s    | t      | u | v      | w | x             | OTHER | XBR   | CA    | OTHER | XBR       | ( '000) | Cmte |
| a  | b                 | c    | d  | e     | f    | g      | h        | i     | j | k | l      | m | n     | o | p | q         | r | s | t | u     | v    | w      | x | y      | z | aa            | ab    | ac    | ad    | ae    | af        |         |      |
| 86 | AK                | ALL  | GN | CHIN  | A    | 7357   | a        |       |   |   |        |   |       |   |   |           |   |   |   | 0.500 | a    | 3679   | A |        |   |               |       |       |       | CH    | 665       |         |      |
| 86 | AK                | ALL  | SP | CHIN  | A    | 17590  | b        |       |   |   |        |   |       |   |   |           |   |   |   | 0.500 | a    | 8795   | A | 104198 |   |               |       | 104.2 |       | CH    | 666       |         |      |
| 86 | CN                | 1-5  | OG | CHIN  | C    | 195715 | g        |       |   |   | 0.020  |   |       |   |   |           |   |   |   |       | a    | 3914   | C | 3914   |   |               | 3.9   |       | CH    | 676   |           |         |      |
| 86 | CN                | 1-6  | OG | CHIN  | D    | 33314  | g        |       |   |   |        |   | 0.470 |   |   |           |   |   |   |       | b    | 15658  | D |        |   |               |       |       | CH    | 677   |           |         |      |
| 86 | CN                | 1-6  | TR | CHIN  | D    | 162401 | g        |       |   |   |        |   | 0.530 |   |   |           |   |   |   |       | b    | 86073  | D |        |   |               |       |       | CH    | 678   |           |         |      |
| 86 | CN                | 7-10 | OG | CHIN  | D    | 39656  | g        |       |   |   |        |   | 0.440 |   |   |           |   |   |   |       | b    | 17449  | D |        |   |               |       |       | CH    | 679   |           |         |      |
| 86 | CN                | 7-10 | TR | CHIN  | D    | 18472  | g        |       |   |   |        |   | 0.350 |   |   |           |   |   |   |       | b    | 6465   | D |        |   |               |       |       | CH    | 680   |           |         |      |
| 86 | CN                | 1-10 | SP | CHIN  | D    | 12000  | i        |       |   |   |        |   | 0.080 |   |   |           |   |   |   |       | b    | 960    | D |        |   |               |       |       | CH    | 681   |           |         |      |
| 86 | CS                | 11   | GN | CHIN  | D    | 973    | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 300    | D |        |   |               |       |       | CH    | 682   |           |         |      |
| 86 | CS                | 11   | TR | CHIN  | D    | 20731  | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 3883   | D |        |   |               |       |       | CH    | 683   |           |         |      |
| 86 | CS                | 12   | SE | CHIN  | D    | 12063  | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 3715   | D |        |   |               |       |       | CH    | 684   |           |         |      |
| 86 | CS                | 12   | TR | CHIN  | D    | 3951   | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 740    | D |        |   |               |       |       | CH    | 685   |           |         |      |
| 86 | CS                | 12   | GN | CHIN  | D    | 4251   | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 1309   | D |        |   |               |       |       | CH    | 686   |           |         |      |
| 86 | CS                | 13   | SE | CHIN  | D    | 4206   | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.962 | i    | 1295   | D |        |   |               |       |       | CH    | 687   |           |         |      |
| 86 | CS                | 13   | GN | CHIN  | D    | 493    | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.962 | i    | 152    | D |        |   |               |       |       | CH    | 688   |           |         |      |
| 86 | CS                | 13   | TR | CHIN  | D    | 12311  | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 2306   | D |        |   |               |       |       | CH    | 689   |           |         |      |
| 86 | CS                | 14   | TR | CHIN  | D    | 24212  | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 4535   | D |        |   |               |       |       | CH    | 690   |           |         |      |
| 86 | CS                | 14   | SE | CHIN  | D    | 51     | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 16     | D |        |   |               |       |       | CH    | 691   |           |         |      |
| 86 | CS                | 14   | GN | CHIN  | D    | 1935   | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 596    | D |        |   |               |       |       | CH    | 692   |           |         |      |
| 86 | CS                | 15   | TR | CHIN  | D    | 2558   | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 479    | D |        |   |               |       |       | CH    | 693   |           |         |      |
| 86 | CS                | 16   | SE | CHIN  | D    | 1266   | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 390    | D |        |   |               |       |       | CH    | 694   |           |         |      |
| 86 | CS                | 16   | GN | CHIN  | D    | 174    | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 54     | D |        |   |               |       |       | CH    | 695   |           |         |      |
| 86 | CS                | 16   | TR | CHIN  | D    | 1015   | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 190    | D |        |   |               |       |       | CH    | 696   |           |         |      |
| 86 | CS                | 17   | TR | CHIN  | D    | 2594   | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 486    | D |        |   |               |       |       | CH    | 697   |           |         |      |
| 86 | CS                | 18   | GN | CHIN  | D    | 10     | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 3      | D |        |   |               |       |       | CH    | 698   |           |         |      |
| 86 | CS                | 18   | TR | CHIN  | D    | 236    | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 44     | D |        |   |               |       |       | CH    | 699   |           |         |      |
| 86 | CS                | 19   | GN | CHIN  | D    | 1      | h        | **h   |   |   |        |   | 0.308 |   |   |           |   |   |   | 0.692 | i    | 0      | D |        |   |               |       |       | CH    | 700   |           |         |      |
| 86 | CS                | 20   | SE | CHIN  | D    | 51401  | h        | **h   |   |   |        |   | 0.842 |   |   |           |   |   |   | 0.158 | i    | 43285  | D |        |   |               |       |       | CH    | 701   |           |         |      |
| 86 | CS                | 20   | GN | CHIN  | D    | 8450   | h        | **h   |   |   |        |   | 0.842 |   |   |           |   |   |   | 0.158 | i    | 7116   | D |        |   |               |       |       | CH    | 702   |           |         |      |
| 86 | CS                | 20   | TR | CHIN  | D    | 324    | h        | **h   |   |   |        |   | 0.840 |   |   |           |   |   |   | 0.160 | i    | 272    | D |        |   |               |       |       | CH    | 703   |           |         |      |
| 86 | CS                | 21   | GN | CHIN  | D    | 153    | h        | **h   |   |   |        |   | 0.444 |   |   |           |   |   |   | 0.612 | i    | 68     | D |        |   |               |       |       | CH    | 704   |           |         |      |
| 86 | CS                | 21   | SE | CHIN  | D    | 165    | h        | **h   |   |   |        |   | 0.444 |   |   |           |   |   |   | 0.612 | i    | 73     | D |        |   |               |       |       | CH    | 705   |           |         |      |
| 86 | CS                | 21   | TR | CHIN  | D    | 10414  | h        | **h   |   |   |        |   | 0.840 |   |   |           |   |   |   | 0.160 | i    | 8750   | D |        |   |               |       |       | CH    | 706   |           |         |      |
| 86 | CS                | 23   | SE | CHIN  | D    | 375    | h        | **h   |   |   |        |   | 0.444 |   |   |           |   |   |   | 0.556 | i    | 166    | D |        |   |               |       |       | CH    | 707   |           |         |      |
| 86 | CS                | 23   | TR | CHIN  | D    | 164472 | h        | **h   |   |   |        |   | 0.840 |   |   |           |   |   |   | 0.160 | i    | 138189 | D |        |   |               |       |       | CH    | 708   |           |         |      |
| 86 | CS                | 23   | GN | CHIN  | D    | 3422   | h        | **h   |   |   |        |   | 0.444 |   |   |           |   |   |   | 0.556 | i    | 1518   | D |        |   |               |       |       | CH    | 709   |           |         |      |
| 86 | CS                | 24   | TR | CHIN  | D    | 86217  | h        | **h   |   |   |        |   | 0.840 |   |   |           |   |   |   | 0.160 | i    | 72440  | D |        |   |               |       |       | CH    | 710   |           |         |      |
| 86 | CS                | 25   | SE | CHIN  | D    | 1151   | h        | **h   |   |   |        |   | 0.444 |   |   |           |   |   |   | 0.556 | i    | 511    | D |        |   |               |       |       | CH    | 711   |           |         |      |
| 86 | CS                | 25   | TR | CHIN  | D    | 23596  | h        | **h   |   |   |        |   | 0.840 |   |   |           |   |   |   | 0.160 | i    | 19825  | D |        |   |               |       |       | CH    | 712   |           |         |      |
| 86 | CS                | 25   | GN | CHIN  | D    | 636    | h        | **h   |   |   |        |   | 0.444 |   |   |           |   |   |   | 0.556 | i    | 282    | D |        |   |               |       |       | CH    | 713   |           |         |      |
| 86 | CS                | 26   | TR | CHIN  | D    | 18011  | h        | **h   |   |   |        |   | 0.840 |   |   |           |   |   |   | 0.160 | i    | 15133  | D |        |   |               |       |       | CH    | 714   |           |         |      |
| 86 | CS                | 27   | TR | CHIN  | D    | 39353  | h        | **h   |   |   |        |   | 0.840 |   |   |           |   |   |   | 0.246 | i    | 33064  | D |        |   |               |       |       | CH    | 715   |           |         |      |
| 86 | CS                | 27   | SP | CHIN  | D    | 13410  | h        | **h   |   |   |        |   | 0.190 |   |   |           |   |   |   | 0.810 | i    | 2547   | D |        |   |               |       |       | CH    | 716   |           |         |      |
| 86 | CS                | 28   | SP | CHIN  | D    | 182000 | h        | **h   |   |   |        |   | 0.379 |   |   |           |   |   |   | 0.621 | i    | 68996  | D |        |   |               |       |       | CH    | 717   |           |         |      |
| 86 | CS                | 29AB | GN | CHIN  | D    | 23937  | h        | **h   |   |   |        |   | 0.038 |   |   |           |   |   |   | 0.962 | i    | 914    | D |        |   |               |       |       | CH    | 718   |           |         |      |
| 86 | CS                | 29AB | SE | CHIN  | D    | 798    | h        | **h   |   |   |        |   | 0.038 |   |   |           |   |   |   | 0.962 | i    | 30     | D |        |   |               |       |       | CH    | 719   |           |         |      |
| 86 | CS                | 29AB | TR | CHIN  | D    | 973    | h        | **h   |   |   |        |   | 0.187 |   |   |           |   |   |   | 0.813 | i    | 182    | D |        |   |               |       |       | CH    | 720   |           |         |      |

Chinook Tech Committee: Rows 9..819

FILE: USCHIN2 Transboundary TC: Rows 820..891

| YR JURISDICTION/AREA |    |     | CATCH |      |    |          | Alaska |     |   |   | Xboundary |   |   |       | INTERCEPTIONS |   |   |   | TOTAL | TOTAL | EXCHANGED | Tech  | Orig  |       |     |        |       |     |         |      |       |    |
|----------------------|----|-----|-------|------|----|----------|--------|-----|---|---|-----------|---|---|-------|---------------|---|---|---|-------|-------|-----------|-------|-------|-------|-----|--------|-------|-----|---------|------|-------|----|
| a                    | b  | c   | GEAR  | SPEC | CA | (number) | NOTES  | h   | i | j | k         | l | m | n     | o             | p | q | r | s     | t     | u         | B.C.  | NOTES | OTHER | XBR | CA     | OTHER | XBR | ( '000) | Cmte | Seq # |    |
|                      |    |     | d     | e    | f  | g        | h      |     |   |   |           |   |   |       |               |   |   |   |       |       |           | v     | w     | x     | y   | z      | aa    | ab  | ac      | ad   | ae    | af |
| 86                   | CS | 29C | GN    | CHIN | D  | 472      | h      | **h |   |   |           |   |   |       |               |   |   |   |       |       |           |       |       | 0     | D   |        |       |     |         | CH   | 721   |    |
| 86                   | CS | 29D | GN    | CHIN | D  | 6992     | h      | **h |   |   |           |   |   |       |               |   |   |   |       |       |           |       |       | 0     | D   | 560460 |       |     | 560.5   | CH   | 722   |    |
| 86                   | OR | 01  | TR    | CHIN | E  | 53500    | a      |     |   |   |           |   |   | 0.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 723   |    |
| 86                   | OR | 01  | SP    | CHIN | E  | 11800    | a      |     |   |   |           |   |   | 0.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 724   |    |
| 86                   | OR | 02  | TR    | CHIN | E  | 238900   | a      |     |   |   |           |   |   | 0.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 725   |    |
| 86                   | OR | 02  | SP    | CHIN | E  | 5900     | a      |     |   |   |           |   |   | 0.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 726   |    |
| 86                   | OR | 03  | TR    | CHIN | E  | 88700    | a      |     |   |   |           |   |   | 0.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 727   |    |
| 86                   | OR | 03  | SP    | CHIN | E  | 2200     | a      |     |   |   |           |   |   | 0.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 728   |    |
| 86                   | OR | 04  | TR    | CHIN | E  | 14000    | a      |     |   |   |           |   |   | 0.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 729   |    |
| 86                   | OR | 04  | SP    | CHIN | E  | 500      | a      |     |   |   |           |   |   | 0.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 730   |    |
| 86                   | WA | 01  | TR    | CHIN | E  | 17600    | b      |     |   |   |           |   |   | 0.960 |               |   |   |   |       |       |           | 0.040 | g     | 704   | E   |        |       |     |         | CH   | 731   |    |
| 86                   | WA | 01  | SP    | CHIN | E  | 4100     | c      |     |   |   |           |   |   | 0.990 |               |   |   |   |       |       |           | 0.010 | g     | 41    | E   |        |       |     |         | CH   | 732   |    |
| 86                   | WA | 02  | TR    | CHIN | E  | 15064    | b      |     |   |   |           |   |   | 0.960 |               |   |   |   |       |       |           | 0.040 | g     | 603   | E   |        |       |     |         | CH   | 733   |    |
| 86                   | WA | 02  | SP    | CHIN | E  | 15289    | c      |     |   |   |           |   |   | 0.990 |               |   |   |   |       |       |           | 0.010 | g     | 153   | E   |        |       |     |         | CH   | 734   |    |
| 86                   | WA | 03  | TR    | CHIN | E  | 6874     | b      |     |   |   |           |   |   | 0.960 |               |   |   |   |       |       |           | 0.040 | g     | 275   | E   |        |       |     |         | CH   | 735   |    |
| 86                   | WA | 03  | SP    | CHIN | E  | 339      | c      |     |   |   |           |   |   | 0.990 |               |   |   |   |       |       |           | 0.010 | g     | 3     | E   |        |       |     |         | CH   | 736   |    |
| 86                   | WA | 04  | GN    | CHIN | E  | 20       | b      |     |   |   |           |   |   | 1.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 737   |    |
| 86                   | WA | 04  | GN    | CHIN | E  | 22       | b      |     |   |   |           |   |   | 1.000 |               |   |   |   |       |       |           | 0.000 | g     | 0     | E   |        |       |     |         | CH   | 738   |    |
| 86                   | WA | 04  | TR    | CHIN | E  | 9854     | b      |     |   |   |           |   |   | 0.960 |               |   |   |   |       |       |           | 0.040 | g     | 394   | E   |        |       |     |         | CH   | 739   |    |
| 86                   | WA | 04  | SP    | CHIN | E  | 3250     | c      |     |   |   |           |   |   | 0.990 |               |   |   |   |       |       |           | 0.010 | g     | 33    | E   |        |       |     |         | CH   | 740   |    |
| 86                   | WA | 04B | GN    | CHIN | E  | 565      | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 28    | E   |        |       |     |         | CH   | 741   |    |
| 86                   | WA | 04B | GN    | CHIN | E  | 5799     | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 290   | E   |        |       |     |         | CH   | 742   |    |
| 86                   | WA | 04B | TR    | CHIN | E  | 5857     | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 293   | E   |        |       |     |         | CH   | 743   |    |
| 86                   | WA | 05  | ON    | CHIN | E  | 20       | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 1     | E   |        |       |     |         | CH   | 744   |    |
| 86                   | WA | 05  | GN    | CHIN | E  | 5731     | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 287   | E   |        |       |     |         | CH   | 745   |    |
| 86                   | WA | 05  | GN    | CHIN | E  | 3741     | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 187   | E   |        |       |     |         | CH   | 746   |    |
| 86                   | WA | 05  | SE    | CHIN | E  | 0        | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 0     | E   |        |       |     |         | CH   | 747   |    |
| 86                   | WA | 05  | TR    | CHIN | E  | 15005    | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 750   | E   |        |       |     |         | CH   | 748   |    |
| 86                   | WA | 05  | SP    | CHIN | E  | 36146    | c      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 1807  | E   |        |       |     |         | CH   | 749   |    |
| 86                   | WA | 06  | ON    | CHIN | E  | 47       | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 2     | E   |        |       |     |         | CH   | 750   |    |
| 86                   | WA | 06  | GN    | CHIN | E  | 49       | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 2     | E   |        |       |     |         | CH   | 751   |    |
| 86                   | WA | 06  | GN    | CHIN | E  | 2        | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 0     | E   |        |       |     |         | CH   | 752   |    |
| 86                   | WA | 06  | TR    | CHIN | E  | 554      | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 28    | E   |        |       |     |         | CH   | 753   |    |
| 86                   | WA | 06  | SP    | CHIN | E  | 32452    | c      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 1623  | E   |        |       |     |         | CH   | 754   |    |
| 86                   | WA | 06C | ON    | CHIN | E  | 70       | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 4     | E   |        |       |     |         | CH   | 755   |    |
| 86                   | WA | 06C | GN    | CHIN | E  | 121      | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 6     | E   |        |       |     |         | CH   | 756   |    |
| 86                   | WA | 06C | GN    | CHIN | E  | 1009     | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 50    | E   |        |       |     |         | CH   | 757   |    |
| 86                   | WA | 06C | TR    | CHIN | E  | 10327    | b      |     |   |   |           |   |   | 0.950 |               |   |   |   |       |       |           | 0.050 | g     | 516   | E   |        |       |     |         | CH   | 758   |    |
| 86                   | WA | 07  | GN    | CHIN | E  | 4962     | b      |     |   |   |           |   |   | 0.940 |               |   |   |   |       |       |           | 0.060 | g     | 298   | E   |        |       |     |         | CH   | 759   |    |
| 86                   | WA | 07  | GN    | CHIN | E  | 10       | b      |     |   |   |           |   |   | 0.940 |               |   |   |   |       |       |           | 0.060 | g     | 1     | E   |        |       |     |         | CH   | 760   |    |
| 86                   | WA | 07  | SE    | CHIN | E  | 7172     | b      |     |   |   |           |   |   | 0.940 |               |   |   |   |       |       |           | 0.060 | g     | 430   | E   |        |       |     |         | CH   | 761   |    |
| 86                   | WA | 07  | ON    | CHIN | E  | 196      | b      |     |   |   |           |   |   | 0.940 |               |   |   |   |       |       |           | 0.060 | g     | 12    | E   |        |       |     |         | CH   | 762   |    |
| 86                   | WA | 07  | SP    | CHIN | E  | 15084    | c      |     |   |   |           |   |   | 0.990 |               |   |   |   |       |       |           | 0.010 | g     | 151   | E   |        |       |     |         | CH   | 763   |    |
| 86                   | WA | 07A | GN    | CHIN | E  | 3557     | b      |     |   |   |           |   |   | 0.940 |               |   |   |   |       |       |           | 0.060 | g     | 213   | E   |        |       |     |         | CH   | 764   |    |
| 86                   | WA | 07A | GN    | CHIN | E  | 17       | b      |     |   |   |           |   |   | 0.940 |               |   |   |   |       |       |           | 0.060 | g     | 1     | E   |        |       |     |         | CH   | 765   |    |
| 86                   | WA | 07A | SE    | CHIN | E  | 5077     | b      |     |   |   |           |   |   | 0.940 |               |   |   |   |       |       |           | 0.060 | g     | 305   | E   |        |       |     |         | CH   | 766   |    |
| 86                   | WA | 07A | ON    | CHIN | E  | 3        | b      |     |   |   |           |   |   | 0.940 |               |   |   |   |       |       |           | 0.060 | g     | 0     | E   |        |       |     |         | CH   | 767   |    |

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 Transboundary TC: Rows 820..891

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| YR JURISDICTION/AREA |    |      | CATCH |      |    |        | Alaska        |     |   |   | Xboundary |       |       |     | INTERCEPTIONS |       |     | TOTAL   | TOTAL | EXCHANGED | Tech  | Orig |        |   |       |    |      |    |    |     |     |
|----------------------|----|------|-------|------|----|--------|---------------|-----|---|---|-----------|-------|-------|-----|---------------|-------|-----|---------|-------|-----------|-------|------|--------|---|-------|----|------|----|----|-----|-----|
| a                    | b  | c    | GEAR  | SPEC | CA | NOTES  | Southern U.S. |     |   |   | B.C.      | NOTES | OTHER | XBR | CA            | OTHER | XBR | ( '000) | Cmte  | Seq #     |       |      |        |   |       |    |      |    |    |     |     |
|                      |    |      | d     | e    | f  | g      | h             | i   | j | k | l         | m     | n     | o   | p             | q     | r   | s       | t     | u         | v     | w    | x      | y | z     | aa | ab   | ac | ad | ae  | af  |
| 86                   | WA | 09   | GN    | CHIN | E  | 604    | b             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |       |    |      |    |    | CH  | 768 |
| 86                   | WA | 09   | ON    | CHIN | E  | 1      | b             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |       |    |      |    |    | CH  | 769 |
| 86                   | WA | 09   | GN    | CHIN | E  | 6      | b             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |       |    |      |    |    | CH  | 770 |
| 86                   | WA | 09   | SE    | CHIN | E  | 110    | b             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E |       |    |      |    |    | CH  | 771 |
| 86                   | WA | 09   | SP    | CHIN | E  | 33064  | c             |     |   |   |           |       | 0.000 |     |               |       |     |         |       |           | 0.000 | g    | 0      | E | 9491  |    | 9.5  |    | CH | 772 |     |
| 87                   | AK | IN   | TR    | CHIN | A  | 38310  | a             |     |   |   |           |       | 0.500 |     |               |       |     |         |       |           | 0.500 | a    | 19155  | A |       |    |      |    | CH | 773 |     |
| 87                   | AK | OUT  | TR    | CHIN | A  | 129082 | a             |     |   |   |           |       | 0.350 |     |               |       |     |         |       |           | 0.350 | a    | 45179  | A |       |    |      |    | CH | 774 |     |
| 87                   | AK | IN   | SE    | CHIN | A  | 1443   | a             |     |   |   |           |       | 0.500 |     |               |       |     |         |       |           | 0.500 | a    | 722    | A |       |    |      |    | CH | 775 |     |
| 87                   | AK | OUT  | SE    | CHIN | A  | 4217   | a             |     |   |   |           |       | 0.350 |     |               |       |     |         |       |           | 0.350 | a    | 1476   | A |       |    |      |    | CH | 776 |     |
| 87                   | AK | ALL  | GN    | CHIN | A  | 3836   | a             |     |   |   |           |       | 0.500 |     |               |       |     |         |       |           | 0.500 | a    | 1918   | A |       |    |      |    | CH | 777 |     |
| 87                   | AK | ALL  | SP    | CHIN | A  | 17000  | b             |     |   |   |           |       | 0.500 |     |               |       |     |         |       |           | 0.500 | a    | 8500   | A | 76949 |    | 77.0 |    | CH | 778 |     |
| 87                   | CN | 1-5  | OG    | CHIN | C  | 229006 | g             |     |   |   | 0.020     |       |       |     |               |       |     |         |       |           |       | a    | 4580   | C | 4580  |    | 4.6  |    | CH | 788 |     |
| 87                   | CN | 1-6  | OG    | CHIN | D  | 31541  | g             |     |   |   |           |       | 0.470 |     |               |       |     |         |       |           |       | b    | 14824  | D |       |    |      |    | CH | 789 |     |
| 87                   | CN | 1-6  | TR    | CHIN | D  | 191465 | g             |     |   |   |           |       | 0.550 |     |               |       |     |         |       |           |       | b    | 105306 | D |       |    |      |    | CH | 790 |     |
| 87                   | CN | 7-10 | OG    | CHIN | D  | 15891  | g             |     |   |   |           |       | 0.380 |     |               |       |     |         |       |           |       | b    | 6039   | D |       |    |      |    | CH | 791 |     |
| 87                   | CN | 7-10 | TR    | CHIN | D  | 20001  | g             |     |   |   |           |       | 0.390 |     |               |       |     |         |       |           |       | b    | 7800   | D |       |    |      |    | CH | 792 |     |
| 87                   | CN | 1-10 | SP    | CHIN | D  | 12000  | i             |     |   |   |           |       | 0.120 |     |               |       |     |         |       |           |       | b    | 1440   | D |       |    |      |    | CH | 793 |     |
| 87                   | CS | 11   | TR    | CHIN | D  | 32492  | h             | **h |   |   |           |       | 0.188 |     |               |       |     |         |       |           | 0.812 | i    | 6099   | D |       |    |      |    | CH | 794 |     |
| 87                   | CS | 11   | GN    | CHIN | D  | 1107   | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 293    | D |       |    |      |    | CH | 795 |     |
| 87                   | CS | 12   | SE    | CHIN | D  | 9813   | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 2595   | D |       |    |      |    | CH | 796 |     |
| 87                   | CS | 12   | TR    | CHIN | D  | 1792   | h             | **h |   |   |           |       | 0.188 |     |               |       |     |         |       |           | 0.812 | i    | 336    | D |       |    |      |    | CH | 797 |     |
| 87                   | CS | 12   | GN    | CHIN | D  | 3033   | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 802    | D |       |    |      |    | CH | 798 |     |
| 87                   | CS | 13   | TR    | CHIN | D  | 14456  | h             | **h |   |   |           |       | 0.188 |     |               |       |     |         |       |           | 0.812 | i    | 2713   | D |       |    |      |    | CH | 799 |     |
| 87                   | CS | 13   | SE    | CHIN | D  | 3752   | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.977 | i    | 992    | D |       |    |      |    | CH | 800 |     |
| 87                   | CS | 13   | GN    | CHIN | D  | 388    | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.977 | i    | 103    | D |       |    |      |    | CH | 801 |     |
| 87                   | CS | 14   | SE    | CHIN | D  | 424    | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 112    | D |       |    |      |    | CH | 802 |     |
| 87                   | CS | 14   | TR    | CHIN | D  | 17549  | h             | **h |   |   |           |       | 0.188 |     |               |       |     |         |       |           | 0.812 | i    | 3294   | D |       |    |      |    | CH | 803 |     |
| 87                   | CS | 14   | GN    | CHIN | D  | 744    | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 197    | D |       |    |      |    | CH | 804 |     |
| 87                   | CS | 15   | TR    | CHIN | D  | 1788   | h             | **h |   |   |           |       | 0.188 |     |               |       |     |         |       |           | 0.812 | i    | 336    | D |       |    |      |    | CH | 805 |     |
| 87                   | CS | 16   | SE    | CHIN | D  | 946    | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 250    | D |       |    |      |    | CH | 806 |     |
| 87                   | CS | 16   | GN    | CHIN | D  | 612    | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 162    | D |       |    |      |    | CH | 807 |     |
| 87                   | CS | 16   | TR    | CHIN | D  | 464    | h             | **h |   |   |           |       | 0.188 |     |               |       |     |         |       |           | 0.812 | i    | 87     | D |       |    |      |    | CH | 808 |     |
| 87                   | CS | 17   | GN    | CHIN | D  | 49     | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 13     | D |       |    |      |    | CH | 809 |     |
| 87                   | CS | 17   | TR    | CHIN | D  | 2183   | h             | **h |   |   |           |       | 0.188 |     |               |       |     |         |       |           | 0.812 | i    | 410    | D |       |    |      |    | CH | 810 |     |
| 87                   | CS | 18   | TR    | CHIN | D  | 466    | h             | **h |   |   |           |       | 0.188 |     |               |       |     |         |       |           | 0.812 | i    | 87     | D |       |    |      |    | CH | 811 |     |
| 87                   | CS | 18   | GN    | CHIN | D  | 5      | h             | **h |   |   |           |       | 0.264 |     |               |       |     |         |       |           | 0.736 | i    | 1      | D |       |    |      |    | CH | 812 |     |
| 87                   | CS | 20   | TR    | CHIN | D  | 29     | h             | **h |   |   |           |       | 0.917 |     |               |       |     |         |       |           | 0.083 | i    | 27     | D |       |    |      |    | CH | 813 |     |
| 87                   | CS | 20   | SE    | CHIN | D  | 9161   | h             | **h |   |   |           |       | 0.708 |     |               |       |     |         |       |           | 0.292 | i    | 6485   | D |       |    |      |    | CH | 814 |     |
| 87                   | CS | 20   | GN    | CHIN | D  | 1882   | h             | **h |   |   |           |       | 0.708 |     |               |       |     |         |       |           | 0.292 | i    | 1332   | D |       |    |      |    | CH | 815 |     |
| 87                   | CS | 21   | SE    | CHIN | D  | 153    | h             | **h |   |   |           |       | 0.537 |     |               |       |     |         |       |           | 0.463 | i    | 82     | D |       |    |      |    | CH | 816 |     |
| 87                   | CS | 21   | GN    | CHIN | D  | 302    | h             | **h |   |   |           |       | 0.537 |     |               |       |     |         |       |           | 0.463 | i    | 162    | D |       |    |      |    | CH | 817 |     |
| 87                   | CS | 21   | TR    | CHIN | D  | 11373  | h             | **h |   |   |           |       | 0.917 |     |               |       |     |         |       |           | 0.083 | i    | 10434  | D |       |    |      |    | CH | 818 |     |
| 87                   | CS | 22   | GN    | CHIN | D  | 2      | h             | 9   | h |   |           |       | 0.537 |     |               |       |     |         |       |           | 0.463 | i    | 1      | D |       |    |      |    | CH | 819 |     |
| 87                   | CS | 22   | TR    | CHIN | D  | 5      | h             | **h |   |   |           |       | 0.917 |     |               |       |     |         |       |           | 0.083 | i    | 5      | D |       |    |      |    | CH | 820 |     |
| 87                   | CS | 23   | GN    | CHIN | D  | 23     | h             | **h |   |   |           |       | 0.537 |     |               |       |     |         |       |           | 0.463 | i    | 12     | D |       |    |      |    | CH | 821 |     |
| 87                   | CS | 23   | TR    | CHIN | D  | 123929 | h             | **h |   |   |           |       | 0.917 |     |               |       |     |         |       |           | 0.083 | i    | 113692 | D |       |    |      |    | CH | 822 |     |
| 87                   | CS | 23   | SE    | CHIN | D  | 114    | h             | **h |   |   |           |       | 0.537 |     |               |       |     |         |       |           | 0.463 | i    | 61     | D |       |    |      |    | CH | 823 |     |

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| YR JURISDICTION/AREA |    |      | CATCH |      |    |        |               | Alaska |   |   |   |      | Xboundary |   |   |   |       | INTERCEPTIONS |     |       |       | TOTAL  | TOTAL EXCHANGED | Tech   | Orig  |       |    |    |     |     |    |
|----------------------|----|------|-------|------|----|--------|---------------|--------|---|---|---|------|-----------|---|---|---|-------|---------------|-----|-------|-------|--------|-----------------|--------|-------|-------|----|----|-----|-----|----|
| a                    | b  | c    | GEAR  | SPEC | CA | NOTES  | Southern U.S. |        |   |   |   | B.C. |           |   |   |   | NOTES | OTHER         | XBR | CA    | OTHER | XBR    | ( '000)         | Cmte   | Seq # |       |    |    |     |     |    |
|                      |    |      | d     | e    | f  | g      | h             | i      | j | k | l | m    | n         | o | p | q | r     | s             | t   | u     | v     | w      | x               | y      | z     | aa    | ab | ac | ad  | ae  | af |
| 87                   | CS | 24   | TR    | CHIN | D  | 128056 | h             | **h    |   |   |   |      | 0.917     |   |   |   |       |               |     | 0.083 | i     | 117479 | D               |        |       |       |    |    | CH  | 824 |    |
| 87                   | CS | 25   | GN    | CHIN | D  | 16     | h             | **h    |   |   |   |      | 0.537     |   |   |   |       |               |     | 0.463 | i     | 9      | D               |        |       |       |    |    | CH  | 825 |    |
| 87                   | CS | 25   | TR    | CHIN | D  | 19494  | h             | **h    |   |   |   |      | 0.917     |   |   |   |       |               |     | 0.083 | i     | 17884  | D               |        |       |       |    |    | CH  | 826 |    |
| 87                   | CS | 26   | TR    | CHIN | D  | 31736  | h             | **h    |   |   |   |      | 0.917     |   |   |   |       |               |     | 0.083 | i     | 29115  | D               |        |       |       |    |    | CH  | 827 |    |
| 87                   | CS | 27   | TR    | CHIN | D  | 62190  | h             | **h    |   |   |   |      | 0.917     |   |   |   |       |               |     | 0.160 | i     | 57053  | D               |        |       |       |    |    | CH  | 828 |    |
| 87                   | CS | 28   | SP    | CHIN | D  | 121000 | h             |        |   |   |   |      | 0.344     |   |   |   |       |               |     | 0.656 | i     | 41624  | D               |        |       |       |    |    | CH  | 829 |    |
| 87                   | CS | 29AB | GN    | CHIN | D  | 8000   | h             | **h    |   |   |   |      | 0.023     |   |   |   |       |               |     | 0.977 | i     | 183    | D               |        |       |       |    |    | CH  | 830 |    |
| 87                   | CS | 29AB | TR    | CHIN | D  | 1353   | h             | **h    |   |   |   |      | 0.188     |   |   |   |       |               |     | 0.812 | i     | 254    | D               |        |       |       |    |    | CH  | 831 |    |
| 87                   | CS | 29C  | GN    | CHIN | D  | 64     | h             | **h    |   |   |   |      |           |   |   |   |       |               |     |       |       | 0      | D               |        |       |       |    |    | CH  | 832 |    |
| 87                   | CS | 29D  | GN    | CHIN | D  | 3914   | h             | **h    |   |   |   |      |           |   |   |   |       |               |     |       |       | 0      | D               | 550183 |       | 550.2 |    | CH | 833 |     |    |
| 87                   | OR | 01   | TR    | CHIN | E  | 39800  | d             |        |   |   |   |      | 0.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 834 |    |
| 87                   | OR | 01   | SP    | CHIN | E  | 25800  | d             |        |   |   |   |      | 0.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 835 |    |
| 87                   | OR | 02   | TR    | CHIN | E  | 350300 | d             |        |   |   |   |      | 0.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 836 |    |
| 87                   | OR | 02   | SP    | CHIN | E  | 18900  | d             |        |   |   |   |      | 0.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 837 |    |
| 87                   | OR | 03   | TR    | CHIN | E  | 87600  | d             |        |   |   |   |      | 0.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 838 |    |
| 87                   | OR | 03   | SP    | CHIN | E  | 6400   | d             |        |   |   |   |      | 0.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 839 |    |
| 87                   | OR | 04   | TR    | CHIN | E  | 41200  | d             |        |   |   |   |      | 0.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 840 |    |
| 87                   | OR | 04   | SP    | CHIN | E  | 3500   | d             |        |   |   |   |      | 0.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 841 |    |
| 87                   | WA | 01   | TR    | CHIN | E  | 10000  | d             |        |   |   |   |      | 0.990     |   |   |   |       |               |     | 0.010 | g     | 100    | E               |        |       |       |    |    | CH  | 842 |    |
| 87                   | WA | 01   | SP    | CHIN | E  | 14300  | d             |        |   |   |   |      | 1.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 843 |    |
| 87                   | WA | 02   | TR    | CHIN | E  | 45161  | d             |        |   |   |   |      | 0.990     |   |   |   |       |               |     | 0.010 | g     | 452    | E               |        |       |       |    |    | CH  | 844 |    |
| 87                   | WA | 02   | SP    | CHIN | E  | 27400  | d             |        |   |   |   |      | 1.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 845 |    |
| 87                   | WA | 03   | TR    | CHIN | E  | 8655   | d             |        |   |   |   |      | 0.990     |   |   |   |       |               |     | 0.010 | g     | 87     | E               |        |       |       |    |    | CH  | 846 |    |
| 87                   | WA | 03   | SP    | CHIN | E  | 200    | d             |        |   |   |   |      | 1.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 847 |    |
| 87                   | WA | 04   | GN    | CHIN | E  | 0      | d             |        |   |   |   |      | 1.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 848 |    |
| 87                   | WA | 04   | GN    | CHIN | E  | 2980   | d             |        |   |   |   |      | 1.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 849 |    |
| 87                   | WA | 04   | TR    | CHIN | E  | 14883  | d             |        |   |   |   |      | 0.990     |   |   |   |       |               |     | 0.010 | g     | 149    | E               |        |       |       |    |    | CH  | 850 |    |
| 87                   | WA | 04   | SP    | CHIN | E  | 2500   | d             |        |   |   |   |      | 1.000     |   |   |   |       |               |     | 0.000 | g     | 0      | E               |        |       |       |    |    | CH  | 851 |    |
| 87                   | WA | 04A  | GN    | CHIN | E  | 679    | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 48     | E               |        |       |       |    |    | CH  | 852 |    |
| 87                   | WA | 04A  | TR    | CHIN | E  | 5      | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 0      | E               |        |       |       |    |    | CH  | 853 |    |
| 87                   | WA | 04B  | ON    | CHIN | E  | 1      | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 0      | E               |        |       |       |    |    | CH  | 854 |    |
| 87                   | WA | 04B  | GN    | CHIN | E  | 335    | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 23     | E               |        |       |       |    |    | CH  | 855 |    |
| 87                   | WA | 04B  | GN    | CHIN | E  | 3688   | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 258    | E               |        |       |       |    |    | CH  | 856 |    |
| 87                   | WA | 04B  | TR    | CHIN | E  | 11322  | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 793    | E               |        |       |       |    |    | CH  | 857 |    |
| 87                   | WA | 05   | GN    | CHIN | E  | 3794   | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 266    | E               |        |       |       |    |    | CH  | 858 |    |
| 87                   | WA | 05   | GN    | CHIN | E  | 636    | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 45     | E               |        |       |       |    |    | CH  | 859 |    |
| 87                   | WA | 05   | TR    | CHIN | E  | 17360  | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 1215   | E               |        |       |       |    |    | CH  | 860 |    |
| 87                   | WA | 05   | SP    | CHIN | E  | 36146  | f             |        |   |   |   |      | 0.920     |   |   |   |       |               |     | 0.080 | g     | 2892   | E               |        |       |       |    |    | CH  | 861 |    |
| 87                   | WA | 06   | ON    | CHIN | E  | 60     | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 4      | E               |        |       |       |    |    | CH  | 862 |    |
| 87                   | WA | 06   | GN    | CHIN | E  | 757    | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 53     | E               |        |       |       |    |    | CH  | 863 |    |
| 87                   | WA | 06   | TR    | CHIN | E  | 38     | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 3      | E               |        |       |       |    |    | CH  | 864 |    |
| 87                   | WA | 06   | SP    | CHIN | E  | 32452  | f             |        |   |   |   |      | 0.920     |   |   |   |       |               |     | 0.080 | g     | 2596   | E               |        |       |       |    |    | CH  | 865 |    |
| 87                   | WA | 06C  | ON    | CHIN | E  | 16     | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 1      | E               |        |       |       |    |    | CH  | 866 |    |
| 87                   | WA | 06C  | GN    | CHIN | E  | 77     | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 5      | E               |        |       |       |    |    | CH  | 867 |    |
| 87                   | WA | 06C  | GN    | CHIN | E  | 1978   | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 138    | E               |        |       |       |    |    | CH  | 868 |    |
| 87                   | WA | 06C  | TR    | CHIN | E  | 17514  | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 1226   | E               |        |       |       |    |    | CH  | 869 |    |
| 87                   | WA | 07   | GN    | CHIN | E  | 5865   | e             |        |   |   |   |      | 0.930     |   |   |   |       |               |     | 0.070 | g     | 411    | E               |        |       |       |    |    | CH  | 870 |    |

Chinook Tech Committee: Rows 9..819

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| YR JURISDICTION/AREA |    |     | CATCH |      |    |       | Alaska |   |   |   | Xboundary |       |       |   | B.C. |   | NOTES |       | INTERCEPTIONS |     | TOTAL | TOTAL | EXCHANGED | Tech | Orig |    |    |     |
|----------------------|----|-----|-------|------|----|-------|--------|---|---|---|-----------|-------|-------|---|------|---|-------|-------|---------------|-----|-------|-------|-----------|------|------|----|----|-----|
| a                    | b  | c   | g     | h    | i  | j     | k      | l | m | n | o         | p     | q     | r | s    | t | u     | v     | w             | x   | y     | z     | aa        | ab   | ac   | ad | ae | af  |
| 87                   | WA | 07  | GN    | CHIN | E  | 24    | e      |   |   |   |           | 0.930 |       |   |      |   |       | 0.070 | g             | 2   | E     |       |           |      |      |    | CH | 871 |
| 87                   | WA | 07  | SE    | CHIN | E  | 13306 | e      |   |   |   |           | 0.930 |       |   |      |   |       | 0.070 | g             | 931 | E     |       |           |      |      |    | CH | 872 |
| 87                   | WA | 07  | ON    | CHIN | E  | 315   | e      |   |   |   |           | 0.930 |       |   |      |   |       | 0.070 | g             | 22  | E     |       |           |      |      |    | CH | 873 |
| 87                   | WA | 07  | TR    | CHIN | E  | 48    | e      |   |   |   |           | 0.930 |       |   |      |   |       | 0.070 | g             | 3   | E     |       |           |      |      |    | CH | 874 |
| 87                   | WA | 07  | SP    | CHIN | E  | 15084 | f      |   |   |   |           | 0.990 |       |   |      |   |       | 0.010 | g             | 151 | E     |       |           |      |      |    | CH | 875 |
| 87                   | WA | 07A | GN    | CHIN | E  | 2777  | e      |   |   |   |           | 0.930 |       |   |      |   |       | 0.070 | g             | 194 | E     |       |           |      |      |    | CH | 876 |
| 87                   | WA | 07A | GN    | CHIN | E  | 66    | e      |   |   |   |           | 0.930 |       |   |      |   |       | 0.070 | g             | 5   | E     |       |           |      |      |    | CH | 877 |
| 87                   | WA | 07A | SE    | CHIN | E  | 6235  | e      |   |   |   |           | 0.930 |       |   |      |   |       | 0.070 | g             | 436 | E     |       |           |      |      |    | CH | 878 |
| 87                   | WA | 07A | ON    | CHIN | E  | 0     | e      |   |   |   |           | 0.930 |       |   |      |   |       | 0.070 | g             | 0   | E     |       |           |      |      |    | CH | 879 |
| 87                   | WA | 09  | GN    | CHIN | E  | 2     | e      |   |   |   |           | 0.000 |       |   |      |   |       | 0.000 | g             | 0   | E     |       |           |      |      |    | CH | 880 |
| 87                   | WA | 09  | GN    | CHIN | E  | 12    | e      |   |   |   |           | 0.000 |       |   |      |   |       | 0.000 | g             | 0   | E     |       |           |      |      |    | CH | 881 |
| 87                   | WA | 09  | SP    | CHIN | E  | 33064 | f      |   |   |   |           | 0.000 |       |   |      |   |       | 0.000 | g             | 0   | E     |       | 12508     |      | 12.5 |    | CH | 882 |
| 80                   | AK | 182 | GN    | CHIN | B1 | 1382  | c      |   |   |   |           |       | 0.970 |   |      |   |       |       | a             |     | 1341  | B1    |           |      |      |    | TB | 6   |
| 80                   | AK | ALS | TR    | CHIN | B1 | 4420  | d      |   |   |   |           |       | 0.030 |   |      |   |       |       | a             |     | 133   | B1    |           |      |      |    | TB | 7   |
| 80                   | AK | TAK | GN    | CHIN | B1 | 1289  | e      |   |   |   |           |       | 0.240 |   |      |   |       |       | a             |     | 309   | B1    |           |      |      |    | TB | 8   |
| 80                   | AK | TAK | TR    | CHIN | B1 | 13627 | d      |   |   |   |           |       | 0.079 |   |      |   |       |       | a             |     | 1077  | B1    |           |      |      |    | TB | 9   |
| 80                   | AK | STI | GN    | CHIN | B1 | 453   | f      |   |   |   |           |       | 0.230 |   |      |   |       |       | a             |     | 104   | B1    |           |      |      |    | TB | 10  |
| 80                   | AK | STI | TR    | CHIN | B1 | 15908 | d      |   |   |   |           |       | 0.163 |   |      |   |       |       | a             |     | 2597  | B1    |           | 5561 | 1.4  |    | TB | 11  |
| 80                   | CN | ALS | OG    | CHIN | B2 | 300   | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 300   | B2    |           |      |      |    | TB | 12  |
| 80                   | CN | TAK | OG    | CHIN | B2 | 225   | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 225   | B2    |           |      |      |    | TB | 13  |
| 80                   | CN | STI | OG    | CHIN | B2 | 2231  | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 2231  | B2    |           | 2756 |      |    | TB | 14  |
| 81                   | AK | 182 | GN    | CHIN | B1 | 779   | c      |   |   |   |           |       | 0.970 |   |      |   |       |       | a             |     | 756   | B1    |           |      |      |    | TB | 126 |
| 81                   | AK | ALS | TR    | CHIN | B1 | 3602  | d      |   |   |   |           |       | 0.030 |   |      |   |       |       | a             |     | 109   | B1    |           |      |      |    | TB | 127 |
| 81                   | AK | TAK | GN    | CHIN | B1 | 959   | e      |   |   |   |           |       | 0.240 |   |      |   |       |       | a             |     | 230   | B1    |           |      |      |    | TB | 128 |
| 81                   | AK | TAK | TR    | CHIN | B1 | 18059 | d      |   |   |   |           |       | 0.079 |   |      |   |       |       | a             |     | 1428  | B1    |           |      |      |    | TB | 129 |
| 81                   | AK | STI | GN    | CHIN | B1 | 215   | f      |   |   |   |           |       | 0.230 |   |      |   |       |       | a             |     | 49    | B1    |           |      |      |    | TB | 130 |
| 81                   | AK | STI | TR    | CHIN | B1 | 22894 | d      |   |   |   |           |       | 0.163 |   |      |   |       |       | a             |     | 3737  | B1    |           | 6309 | 2.1  |    | TB | 131 |
| 81                   | CN | ALS | OG    | CHIN | B2 | 300   | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 300   | B2    |           |      |      |    | TB | 132 |
| 81                   | CN | TAK | OG    | CHIN | B2 | 159   | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 159   | B2    |           |      |      |    | TB | 133 |
| 81                   | CN | STI | OG    | CHIN | B2 | 1558  | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 1558  | B2    |           | 2017 |      |    | TB | 134 |
| 82                   | AK | 182 | GN    | CHIN | B1 | 532   | c      |   |   |   |           |       | 0.970 |   |      |   |       |       | a             |     | 516   | B1    |           |      |      |    | TB | 241 |
| 82                   | AK | ALS | TR    | CHIN | B1 | 3902  | d      |   |   |   |           |       | 0.030 |   |      |   |       |       | a             |     | 118   | B1    |           |      |      |    | TB | 242 |
| 82                   | AK | TAK | GN    | CHIN | B1 | 1690  | e      |   |   |   |           |       | 0.240 |   |      |   |       |       | a             |     | 406   | B1    |           |      |      |    | TB | 243 |
| 82                   | AK | TAK | TR    | CHIN | B1 | 8452  | d      |   |   |   |           |       | 0.079 |   |      |   |       |       | a             |     | 668   | B1    |           |      |      |    | TB | 244 |
| 82                   | AK | STI | GN    | CHIN | B1 | 639   | f      |   |   |   |           |       | 0.230 |   |      |   |       |       | a             |     | 147   | B1    |           |      |      |    | TB | 245 |
| 82                   | AK | STI | TR    | CHIN | B1 | 20499 | d      |   |   |   |           |       | 0.163 |   |      |   |       |       | a             |     | 3346  | B1    |           | 5201 | 1.3  |    | TB | 246 |
| 82                   | CN | ALS | OG    | CHIN | B2 | 200   | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 200   | B2    |           |      |      |    | TB | 247 |
| 82                   | CN | TAK | OG    | CHIN | B2 | 54    | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 54    | B2    |           |      |      |    | TB | 248 |
| 82                   | CN | STI | OG    | CHIN | B2 | 2387  | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 2387  | B2    |           | 2641 |      |    | TB | 249 |
| 83                   | AK | 182 | GN    | CHIN | B1 | 94    | c      |   |   |   |           |       | 0.970 |   |      |   |       |       | a             |     | 91    | B1    |           |      |      |    | TB | 355 |
| 83                   | AK | ALS | TR    | CHIN | B1 | 4564  | d      |   |   |   |           |       | 0.030 |   |      |   |       |       | a             |     | 138   | B1    |           |      |      |    | TB | 356 |
| 83                   | AK | TAK | GN    | CHIN | B1 | 353   | e      |   |   |   |           |       | 0.240 |   |      |   |       |       | a             |     | 85    | B1    |           |      |      |    | TB | 357 |
| 83                   | AK | TAK | TR    | CHIN | B1 | 3576  | d      |   |   |   |           |       | 0.079 |   |      |   |       |       | a             |     | 283   | B1    |           |      |      |    | TB | 358 |
| 83                   | AK | STI | GN    | CHIN | B1 | 0     | f      |   |   |   |           |       | 0.230 |   |      |   |       |       | a             |     | 0     | B1    |           |      |      |    | TB | 359 |
| 83                   | AK | STI | TR    | CHIN | B1 | 5435  | d      |   |   |   |           |       | 0.163 |   |      |   |       |       | a             |     | 887   | B1    |           | 1483 | 0.0  |    | TB | 360 |
| 83                   | CN | ALS | OG    | CHIN | B2 | 600   | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 600   | B2    |           |      |      |    | TB | 361 |
| 83                   | CN | TAK | OG    | CHIN | B2 | 156   | h      |   |   |   |           |       | 1.000 |   |      |   |       |       |               |     | 156   | B2    |           |      |      |    | TB | 362 |

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| YR JURISDICTION/AREA |    |     | CATCH |      |    |          | Alaska |   |   |   |   | Xboundary |   |   |   |   | B.C. |   | NOTES |   | INTERCEPTIONS |   | TOTAL | TOTAL | EXCHANGED | Tech | Orig |      |     |    |    |     |
|----------------------|----|-----|-------|------|----|----------|--------|---|---|---|---|-----------|---|---|---|---|------|---|-------|---|---------------|---|-------|-------|-----------|------|------|------|-----|----|----|-----|
| a                    | b  | c   | GEAR  | SPEC | CA | (number) | NOTES  | h | i | j | k | l         | m | n | o | p | q    | r | s     | t | u             | v | w     | x     | y         | z    | aa   | ab   | ac  | ad | ae | af  |
| 83                   | CN | STI | OG    | CHIN | B2 | 1633     | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 1633      | B2   |      | 2389 |     |    | TB | 363 |
| 84                   | AK | 182 | GN    | CHIN | B1 | 60       | c      |   |   |   |   |           |   |   |   |   |      |   | 0.970 |   |               |   | a     |       | 58        | B1   |      |      |     |    | TB | 456 |
| 84                   | AK | ALS | TR    | CHIN | B1 | 3313     | d      |   |   |   |   |           |   |   |   |   |      |   | 0.030 |   |               |   | a     |       | 100       | B1   |      |      |     |    | TB | 457 |
| 84                   | AK | TAK | GN    | CHIN | B1 | 869      | e      |   |   |   |   |           |   |   |   |   |      |   | 0.240 |   |               |   | a     |       | 209       | B1   |      |      |     |    | TB | 458 |
| 84                   | AK | TAK | TR    | CHIN | B1 | 6822     | d      |   |   |   |   |           |   |   |   |   |      |   | 0.079 |   |               |   | a     |       | 539       | B1   |      |      |     |    | TB | 459 |
| 84                   | AK | STI | GN    | CHIN | B1 | 0        | f      |   |   |   |   |           |   |   |   |   |      |   | 0.230 |   |               |   | a     |       | 0         | B1   |      |      |     |    | TB | 460 |
| 84                   | AK | STI | TR    | CHIN | B1 | 8984     | d      |   |   |   |   |           |   |   |   |   |      |   | 0.163 |   |               |   | a     |       | 1467      | B1   |      | 2372 | 0.3 |    | TB | 461 |
| 84                   | CN | ALS | OG    | CHIN | B2 | 700      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 700       | B2   |      |      |     |    | TB | 462 |
| 84                   | CN | TAK | OG    | CHIN | B2 | 294      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 294       | B2   |      |      |     |    | TB | 463 |
| 84                   | CN | STI | OG    | CHIN | B2 | 702      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 702       | B2   |      | 1696 |     |    | TB | 464 |
| 85                   | AK | 182 | GN    | CHIN | B1 | 213      | c      |   |   |   |   |           |   |   |   |   |      |   | 0.970 |   |               |   | a     |       | 207       | B1   |      |      |     |    | TB | 561 |
| 85                   | AK | ALS | TR    | CHIN | B1 | 2791     | d      |   |   |   |   |           |   |   |   |   |      |   | 0.030 |   |               |   | a     |       | 84        | B1   |      |      |     |    | TB | 562 |
| 85                   | AK | TAK | GN    | CHIN | B1 | 1418     | e      |   |   |   |   |           |   |   |   |   |      |   | 0.240 |   |               |   | a     |       | 340       | B1   |      |      |     |    | TB | 563 |
| 85                   | AK | TAK | TR    | CHIN | B1 | 11177    | d      |   |   |   |   |           |   |   |   |   |      |   | 0.079 |   |               |   | a     |       | 884       | B1   |      |      |     |    | TB | 564 |
| 85                   | AK | STI | GN    | CHIN | B1 | 0        | f      |   |   |   |   |           |   |   |   |   |      |   | 0.230 |   |               |   | a     |       | 0         | B1   |      |      |     |    | TB | 565 |
| 85                   | AK | STI | TR    | CHIN | B1 | 11338    | d      |   |   |   |   |           |   |   |   |   |      |   | 0.163 |   |               |   | a     |       | 1851      | B1   |      | 3365 | 0.8 |    | TB | 566 |
| 85                   | CN | ALS | OG    | CHIN | B2 | 300      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 300       | B2   |      |      |     |    | TB | 567 |
| 85                   | CN | TAK | OG    | CHIN | B2 | 326      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 326       | B2   |      |      |     |    | TB | 568 |
| 85                   | CN | STI | OG    | CHIN | B2 | 1111     | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 1111      | B2   |      | 1737 |     |    | TB | 569 |
| 86                   | AK | 182 | GN    | CHIN | B1 | 478      | c      |   |   |   |   |           |   |   |   |   |      |   | 0.970 |   |               |   | a     |       | 464       | B1   |      |      |     |    | TB | 667 |
| 86                   | AK | ALS | TR    | CHIN | B1 | 4939     | d      |   |   |   |   |           |   |   |   |   |      |   | 0.030 |   |               |   | a     |       | 149       | B1   |      |      |     |    | TB | 668 |
| 86                   | AK | TAK | GN    | CHIN | B1 | 1133     | e      |   |   |   |   |           |   |   |   |   |      |   | 0.240 |   |               |   | a     |       | 272       | B1   |      |      |     |    | TB | 669 |
| 86                   | AK | TAK | TR    | CHIN | B1 | 12453    | d      |   |   |   |   |           |   |   |   |   |      |   | 0.079 |   |               |   | a     |       | 984       | B1   |      |      |     |    | TB | 670 |
| 86                   | AK | STI | GN    | CHIN | B1 | 25       | f      |   |   |   |   |           |   |   |   |   |      |   | 0.230 |   |               |   | a     |       | 6         | B1   |      |      |     |    | TB | 671 |
| 86                   | AK | STI | TR    | CHIN | B1 | 9622     | d      |   |   |   |   |           |   |   |   |   |      |   | 0.163 |   |               |   | a     |       | 1571      | B1   |      | 3445 | 0.5 |    | TB | 672 |
| 86                   | CN | ALS | OG    | CHIN | B2 | 230      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 230       | B2   |      |      |     |    | TB | 673 |
| 86                   | CN | TAK | OG    | CHIN | B2 | 275      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 275       | B2   |      |      |     |    | TB | 674 |
| 86                   | CN | STI | OG    | CHIN | B2 | 1936     | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 1936      | B2   |      | 2441 |     |    | TB | 675 |
| 87                   | AK | 182 | GN    | CHIN | B1 | 347      | c      |   |   |   |   |           |   |   |   |   |      |   | 0.970 |   |               |   | a     |       | 337       | B1   |      |      |     |    | TB | 779 |
| 87                   | AK | ALS | TR    | CHIN | B1 | 4885     | d      |   |   |   |   |           |   |   |   |   |      |   | 0.030 |   |               |   | a     |       | 147       | B1   |      |      |     |    | TB | 780 |
| 87                   | AK | TAK | GN    | CHIN | B1 | 1004     | e      |   |   |   |   |           |   |   |   |   |      |   | 0.240 |   |               |   | a     |       | 241       | B1   |      |      |     |    | TB | 781 |
| 87                   | AK | TAK | TR    | CHIN | B1 | 9078     | d      |   |   |   |   |           |   |   |   |   |      |   | 0.079 |   |               |   | a     |       | 718       | B1   |      |      |     |    | TB | 782 |
| 87                   | AK | STI | GN    | CHIN | B1 | 45       | f      |   |   |   |   |           |   |   |   |   |      |   | 0.230 |   |               |   | a     |       | 10        | B1   |      |      |     |    | TB | 783 |
| 87                   | AK | STI | TR    | CHIN | B1 | 19519    | d      |   |   |   |   |           |   |   |   |   |      |   | 0.163 |   |               |   | a     |       | 3186      | B1   |      | 4639 | 0.7 |    | TB | 784 |
| 87                   | CN | ALS | OG    | CHIN | B2 | 452      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 452       | B2   |      |      |     |    | TB | 785 |
| 87                   | CN | TAK | OG    | CHIN | B2 | 233      | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 233       | B2   |      |      |     |    | TB | 786 |
| 87                   | CN | STI | OG    | CHIN | B2 | 2645     | h      |   |   |   |   |           |   |   |   |   |      |   | 1.000 |   |               |   |       |       | 2645      | B2   |      | 3330 |     |    | TB | 787 |

\* Asterisks in col. "i" indicate weight data; asterisks in column "w" and remaining columns indicate interception rate ranges in spreadsheet.

- a/ Computer files maintained by ODFW
- b/ Computer files maintained by WDF (Historical Catch Landing System)
- c/ Washington State Sport Catch Reports
- d/ Preliminary Data From 1987 Post Season PFMC Report
- e/ Preliminary Data From WDF Soft Data System Maintained On UW Cyber System
- f/ Preliminary estimates provided by WDF staff.
- g/ PSC Chinook Model Calibration as of May 1988.  
 Model only has a single fishery for the area north of Cape Falcon.  
 No interceptions of Canadian chinook South of Cape Falcon.

Chinook Tech Committee: Rows 9..819  
 FILE: USCHIN2 Transboundary TC: Rows 820..891

| YR JURISDICTION/AREA |   |   | CATCH                       |   |   |   | Alaska        |   | Xboundary |   |       |   | INTERCEPTIONS |        | TOTAL | TOTAL | EXCHANGED | Tech | Orig  |   |   |   |   |   |   |    |    |    |    |    |    |
|----------------------|---|---|-----------------------------|---|---|---|---------------|---|-----------|---|-------|---|---------------|--------|-------|-------|-----------|------|-------|---|---|---|---|---|---|----|----|----|----|----|----|
|                      |   |   | GEAR SPEC CA (number) NOTES |   |   |   | Southern U.S. |   | B.C.      |   | NOTES |   | OTHER         | XBR CA | OTHER | XBR   | ('000)    | Cmte | Seq # |   |   |   |   |   |   |    |    |    |    |    |    |
| a                    | b | c | d                           | e | f | g | h             | i | j         | k | l     | m | n             | o      | p     | q     | r         | s    | t     | u | v | w | x | y | z | aa | ab | ac | ad | ae | af |

h/ Canadian catch data base Nanaimo VAX for Commercial; MRP database for Sport  
 i/ US/Canada chinook model. NOT including Alaska hatchery production.  
 Model area definitions follow:

Canadian Areas:

- Northern Troll and Net: Areas 1-5
- Central troll and net: Areas 6-11,30
- North/Central Sport: Areas 1-11,30
- WCVI: Areas 21, 23-27
- Georgia Strait troll & sport: Areas 13-19,29
- Johnstone Strait Net: Areas 11-13.
- Strait of Juan de Fuca: Area 20
- Fraser River: Area 29 (AB)

U.S. Areas:

- Washington/Oregon troll and sport (North of Cape Falcon, including Area 4B)
- Northern Puget Sound: Areas 7 & 7A
- Southern Puget Sound: All Puget Sound except 7/7A
- Southeast Alaska (all)

Chinook TC: Rows 10..185  
 Transboundary TC: Rows 186..257

FILE: BCCHIN2

| YR JURISDICTION/AREA |    |                   | GEAR SPEC CA |      |   | CATCH  | Alaska |   | Xboundary |   |   |       |   | INTERCEPTIONS |   |   | TOTAL | TOTAL | EXCHANGED | Tech  | Orig  |        |     |        |       |       |        |      |       |   |
|----------------------|----|-------------------|--------------|------|---|--------|--------|---|-----------|---|---|-------|---|---------------|---|---|-------|-------|-----------|-------|-------|--------|-----|--------|-------|-------|--------|------|-------|---|
| a                    | b  | c                 | d            | e    | f | g      | h      | i | j         | l | m | n     | o | p             | q | r | s     | t     | u         | B.C.  | NOTES | OTHER  | XBR | CA     | OTHER | XBR   | ('000) | Cmte | Seq # |   |
| =====                |    |                   |              |      |   |        |        |   |           |   |   |       |   |               |   |   |       |       |           |       |       |        |     |        |       |       |        |      |       |   |
| 80                   | AK | ALL SE ALASKA     | TR           | CHIN | A | 248845 | 1      |   |           |   |   |       |   |               |   |   |       |       |           | 0.827 | a     | 205688 | A   |        |       |       |        |      | CH    | 0 |
| 80                   | AK | ALL SE ALASKA     | CN           | CHIN | A | 11058  | 1      |   |           |   |   |       |   |               |   |   |       |       |           | 0.910 | a     | 10058  | A   |        |       |       |        |      | CH    | 1 |
| 80                   | AK | ALL SE ALASKA     | SP           | CHIN | A | 13406  | 1      |   |           |   |   |       |   |               |   |   |       |       |           | 0.980 | a     | 13141  | A   | 228887 |       | 228.9 |        | CH   | 2     |   |
| 80                   | BC | 1-5               | TR           | CHIN | D | 163563 | 3      |   |           |   |   | 0.305 |   |               |   |   |       |       |           | d     |       | 49919  | D   |        |       |       |        | CH   | 12    |   |
| 80                   | BC | 6-12              | TR           | CHIN | D | 97889  | 3      |   |           |   |   | 0.179 |   |               |   |   |       |       |           | d     |       | 17481  | D   |        |       |       |        | CH   | 13    |   |
| 80                   | BC | 21-27             | TR           | CHIN | D | 488240 | 3      |   |           |   |   | 0.653 |   |               |   |   |       |       |           | d     |       | 318777 | D   |        |       |       |        | CH   | 14    |   |
| 80                   | BC | 13-19, 28, 29     | CO           | CHIN | D | 291109 | 3      |   |           |   |   | 0.060 |   |               |   |   |       |       |           | d     |       | 17452  | D   |        |       |       |        | CH   | 15    |   |
| 80                   | BC | 1-5               | CN           | CHIN | D | 38784  | 3      |   |           |   |   | 0.228 |   |               |   |   |       |       |           | d     |       | 8840   | D   |        |       |       |        | CH   | 16    |   |
| 80                   | BC | 6-10              | CN           | CHIN | D | 51008  | 3      |   |           |   |   | 0.258 |   |               |   |   |       |       |           | d     |       | 13176  | D   |        |       |       |        | CH   | 17    |   |
| 80                   | BC | 21-27             | CN           | CHIN | D | 59145  | 3      |   |           |   |   | 0.304 |   |               |   |   |       |       |           | d     |       | 18001  | D   |        |       |       |        | CH   | 18    |   |
| 80                   | BC | 20                | CN           | CHIN | D | 7883   | 3      |   |           |   |   | 0.645 |   |               |   |   |       |       |           | d     |       | 5081   | D   |        |       |       |        | CH   | 19    |   |
| 80                   | BC | 11-13             | CN           | CHIN | D | 43742  | 3      |   |           |   |   | 0.192 |   |               |   |   |       |       |           | d     |       | 8381   | D   |        |       |       |        | CH   | 20    |   |
| 80                   | BC | 29                | CN           | CHIN | D | 40061  | 3      |   |           |   |   | 0.013 |   |               |   |   |       |       |           | d     |       | 510    | D   |        |       |       |        | CH   | 21    |   |
| 80                   | BC | 1-10              | SP           | CHIN | D | 29370  | 3      |   |           |   |   | 0.062 |   |               |   |   |       |       |           | d     |       | 1809   | D   |        |       |       |        | CH   | 22    |   |
| 80                   | BC | 21-27             | SP           | CHIN | D | 59630  | 3      |   |           |   |   | 0.077 |   |               |   |   |       |       |           | d     |       | 4593   | D   |        |       |       |        | CH   | 23    |   |
| 80                   | BC | GEORGIA STRAIT    | SP           | CHIN | D | 374000 | 3      |   |           |   |   | 0.187 |   |               |   |   |       |       |           | d     |       | 69987  | D   | 534007 |       | 534.0 |        | CH   | 24    |   |
| 80                   | WA | 1-4               | TR           | CHIN | E | 133800 | 4      |   |           |   |   |       |   |               |   |   |       |       |           | 0.090 | e     | 12046  | E   |        |       |       |        | CH   | 25    |   |
| 80                   | WA | 4B,5,6,6A,6C,7,7A | CO           | CHIN | E | 88000  | 4      |   |           |   |   |       |   |               |   |   |       |       |           | 0.090 | e     | 7922   | E   |        |       |       |        | CH   | 26    |   |
| 80                   | WA | 6D, 8-13, 7B-E    | CN           | CHIN | E | 170000 | 4      | + |           |   |   | 0.163 |   |               |   |   |       |       |           | e     |       | 27788  | E   |        |       |       |        | CH   | 27    |   |
| 80                   | WA | 1-4               | SP           | CHIN | E | 59100  | 4      |   |           |   |   | 0.024 |   |               |   |   |       |       |           | e     |       | 1419   | E   |        |       |       |        | CH   | 28    |   |
| 80                   | WA | 4B-7              | SP           | CHIN | E | 68713  | 4      |   |           |   |   | 0.024 |   |               |   |   |       |       |           | e     |       | 1618   | E   |        |       |       |        | CH   | 29    |   |
| 80                   | WA | 8-13              | SP           | CHIN | E | 142547 | 4      |   |           |   |   | 0.156 |   |               |   |   |       |       |           | e     |       | 22296  | E   | 73089  |       | 73.1  |        | CH   | 30    |   |
| 81                   | AK | ALL SE ALASKA     | TR           | CHIN | A | 205605 | 1      |   |           |   |   | 0.813 |   |               |   |   |       |       |           | a     |       | 167128 | A   |        |       |       |        | CH   | 31    |   |
| 81                   | AK | ALL SE ALASKA     | CN           | CHIN | A | 9513   | 1      |   |           |   |   | 0.900 |   |               |   |   |       |       |           | a     |       | 8564   | A   |        |       |       |        | CH   | 32    |   |
| 81                   | AK | ALL SE ALASKA     | SP           | CHIN | A | 14788  | 1      |   |           |   |   | 0.977 |   |               |   |   |       |       |           | a     |       | 14454  | A   | 190145 |       | 190.1 |        | CH   | 33    |   |
| 81                   | BC | 1-5               | TR           | CHIN | D | 151731 | 3      |   |           |   |   | 0.324 |   |               |   |   |       |       |           | d     |       | 49130  | D   |        |       |       |        | CH   | 43    |   |
| 81                   | BC | 6-12              | TR           | CHIN | D | 79670  | 3      |   |           |   |   | 0.198 |   |               |   |   |       |       |           | d     |       | 15802  | D   |        |       |       |        | CH   | 44    |   |
| 81                   | BC | 21-27             | TR           | CHIN | D | 397518 | 3      |   |           |   |   | 0.687 |   |               |   |   |       |       |           | d     |       | 273274 | D   |        |       |       |        | CH   | 45    |   |
| 81                   | BC | 13-19, 28, 29     | CO           | CHIN | D | 260978 | 3      |   |           |   |   | 0.063 |   |               |   |   |       |       |           | d     |       | 16332  | D   |        |       |       |        | CH   | 46    |   |
| 81                   | BC | 1-5               | CN           | CHIN | D | 58721  | 3      |   |           |   |   | 0.242 |   |               |   |   |       |       |           | d     |       | 14222  | D   |        |       |       |        | CH   | 47    |   |
| 81                   | BC | 6-10              | CN           | CHIN | D | 32248  | 3      |   |           |   |   | 0.268 |   |               |   |   |       |       |           | d     |       | 8645   | D   |        |       |       |        | CH   | 48    |   |
| 81                   | BC | 21-27             | CN           | CHIN | D | 72886  | 3      |   |           |   |   | 0.311 |   |               |   |   |       |       |           | d     |       | 22666  | D   |        |       |       |        | CH   | 49    |   |
| 81                   | BC | 20                | CN           | CHIN | D | 29245  | 3      |   |           |   |   | 0.674 |   |               |   |   |       |       |           | d     |       | 19717  | D   |        |       |       |        | CH   | 50    |   |
| 81                   | BC | 11-13             | CN           | CHIN | D | 42195  | 3      |   |           |   |   | 0.202 |   |               |   |   |       |       |           | d     |       | 8522   | D   |        |       |       |        | CH   | 51    |   |
| 81                   | BC | 29                | CN           | CHIN | D | 22447  | 3      |   |           |   |   | 0.017 |   |               |   |   |       |       |           | d     |       | 371    | D   |        |       |       |        | CH   | 52    |   |
| 81                   | BC | 1-10              | SP           | CHIN | D | 21120  | 3      |   |           |   |   | 0.068 |   |               |   |   |       |       |           | d     |       | 1432   | D   |        |       |       |        | CH   | 53    |   |
| 81                   | BC | 21-27             | SP           | CHIN | D | 42880  | 3      |   |           |   |   | 0.088 |   |               |   |   |       |       |           | d     |       | 3758   | D   |        |       |       |        | CH   | 54    |   |
| 81                   | BC | GEORGIA STRAIT    | SP           | CHIN | D | 253300 | 3      |   |           |   |   | 0.205 |   |               |   |   |       |       |           | d     |       | 52053  | D   | 485924 |       | 485.8 |        | CH   | 55    |   |
| 81                   | WA | 1-4               | TR           | CHIN | E | 122800 | 4      |   |           |   |   | 0.083 |   |               |   |   |       |       |           | e     |       | 10205  | E   |        |       |       |        | CH   | 56    |   |
| 81                   | WA | 4B,5,6,6A,6C,7,7A | CO           | CHIN | E | 89000  | 4      |   |           |   |   | 0.067 |   |               |   |   |       |       |           | e     |       | 5975   | E   |        |       |       |        | CH   | 57    |   |
| 81                   | WA | 6D, 8-13, 7B-E    | CN           | CHIN | E | 143000 | 4      | + |           |   |   | 0.128 |   |               |   |   |       |       |           | e     |       | 18335  | E   |        |       |       |        | CH   | 58    |   |
| 81                   | WA | 1-4               | SP           | CHIN | E | 96200  | 4      |   |           |   |   | 0.020 |   |               |   |   |       |       |           | e     |       | 1963   | E   |        |       |       |        | CH   | 59    |   |
| 81                   | WA | 4B-7              | SP           | CHIN | E | 61079  | 4      |   |           |   |   | 0.019 |   |               |   |   |       |       |           | e     |       | 1176   | E   |        |       |       |        | CH   | 60    |   |
| 81                   | WA | 8-13              | SP           | CHIN | E | 109220 | 4      |   |           |   |   | 0.138 |   |               |   |   |       |       |           | e     |       | 15092  | E   | 52746  |       | 52.7  |        | CH   | 61    |   |
| 82                   | AK | ALL SE ALASKA     | TR           | CHIN | A | 214690 | 1      |   |           |   |   | 0.793 |   |               |   |   |       |       |           | a     |       | 170210 | A   |        |       |       |        | CH   | 62    |   |
| 82                   | AK | ALL SE ALASKA     | CN           | CHIN | A | 42046  | 1      |   |           |   |   | 0.884 |   |               |   |   |       |       |           | a     |       | 37149  | A   |        |       |       |        | CH   | 63    |   |
| 82                   | AK | ALL SE ALASKA     | SP           | CHIN | A | 21309  | 1      |   |           |   |   | 0.973 |   |               |   |   |       |       |           | a     |       | 20740  | A   | 228099 |       | 228.1 |        | CH   | 64    |   |



Chinook TC: Rows 10..185  
 Transboundary TC: Rows 186..257  
 FILE: BCCHIN2

| YR JURISDICTION/AREA |    |                   | GEAR | SPEC | CA | CATCH    | NOTES | Alaska |   | Xboundary |   |       |   |   | INTERCEPTIONS |   |   | TOTAL | TOTAL | EXCHANGED | Tech  | Orig   |     |        |       |       |         |      |       |     |
|----------------------|----|-------------------|------|------|----|----------|-------|--------|---|-----------|---|-------|---|---|---------------|---|---|-------|-------|-----------|-------|--------|-----|--------|-------|-------|---------|------|-------|-----|
| a                    | b  | c                 | d    | e    | f  | g        | h     | i      | j | l         | m | n     | o | p | q             | r | s | t     | u     | B.C.      | NOTES | OTHER  | XBR | CA     | OTHER | XBR   | ( '000) | Cmte | Seq # |     |
|                      |    |                   |      |      |    | (number) |       |        |   |           |   |       |   |   |               |   |   |       |       | v         | w     | x      | y   | z      | aa    | ab    | ac      | ad   | ae    | af  |
| 84                   | BC | 13-19, 28, 29     | CO   | CHIN | D  | 100267   | 3     |        |   |           |   | 0.064 |   |   |               |   |   |       |       | d         |       | 6439   | D   |        |       |       |         |      | CH    | 139 |
| 84                   | BC | 1-5               | CN   | CHIN | D  | 50767    | 3     |        |   |           |   | 0.334 |   |   |               |   |   |       |       | d         |       | 16970  | D   |        |       |       |         |      | CH    | 140 |
| 84                   | BC | 6-10              | CN   | CHIN | D  | 10205    | 3     |        |   |           |   | 0.361 |   |   |               |   |   |       |       | d         |       | 3687   | D   |        |       |       |         |      | CH    | 141 |
| 84                   | BC | 21-27             | CN   | CHIN | D  | 50771    | 3     |        |   |           |   | 0.393 |   |   |               |   |   |       |       | d         |       | 19928  | D   |        |       |       |         |      | CH    | 142 |
| 84                   | BC | 20                | CN   | CHIN | D  | 20802    | 3     |        |   |           |   | 0.707 |   |   |               |   |   |       |       | d         |       | 14702  | D   |        |       |       |         |      | CH    | 143 |
| 84                   | BC | 11-13             | CN   | CHIN | D  | 32305    | 3     |        |   |           |   | 0.218 |   |   |               |   |   |       |       | d         |       | 7037   | D   |        |       |       |         |      | CH    | 144 |
| 84                   | BC | 29                | CN   | CHIN | D  | 27929    | 3     |        |   |           |   | 0.021 |   |   |               |   |   |       |       | d         |       | 580    | D   |        |       |       |         |      | CH    | 145 |
| 84                   | BC | 1-10              | SP   | CHIN | D  | 20000    | 3     |        |   |           |   | 0.075 |   |   |               |   |   |       |       | d         |       | 1507   | D   |        |       |       |         |      | CH    | 146 |
| 84                   | BC | 21-27             | SP   | CHIN | D  | 44000    | 3     |        |   |           |   | 0.136 |   |   |               |   |   |       |       | d         |       | 5963   | D   |        |       |       |         |      | CH    | 147 |
| 84                   | BC | GEORGIA STRAIT    | SP   | CHIN | D  | 369450   | 3     |        |   |           |   | 0.210 |   |   |               |   |   |       |       | d         |       | 77562  | D   | 586323 |       | 586.3 |         | CH   | 148   |     |
| 84                   | WA | 1-4               | TR   | CHIN | E  | 28900    | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.055     | e     | 1599   | E   |        |       |       |         |      | CH    | 149 |
| 84                   | WA | 4B,5,6,6A,6C,7,7A | CO   | CHIN | E  | 62000    | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.071     | e     | 4424   | E   |        |       |       |         |      | CH    | 150 |
| 84                   | WA | 6D, 8-13, 7B-E    | CN   | CHIN | E  | 181000   | 4     | +      |   |           |   |       |   |   |               |   |   |       |       | 0.099     | e     | 17881  | E   |        |       |       |         |      | CH    | 151 |
| 84                   | WA | 1-4               | SP   | CHIN | E  | 7000     | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.014     | e     | 98     | E   |        |       |       |         |      | CH    | 152 |
| 84                   | WA | 4B-7              | SP   | CHIN | E  | 73762    | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.021     | e     | 1536   | E   |        |       |       |         |      | CH    | 153 |
| 84                   | WA | 8-13              | SP   | CHIN | E  | 103541   | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.107     | e     | 11086  | E   | 36624  |       | 36.6  |         | CH   | 154   |     |
| 85                   | AK | ALL SE ALASKA     | TR   | CHIN | A  | 202511   | 1     |        |   |           |   |       |   |   |               |   |   |       |       | 0.650     | a     | 131691 | A   |        |       |       |         |      | CH    | 155 |
| 85                   | AK | ALL SE ALASKA     | CN   | CHIN | A  | 30437    | 1     |        |   |           |   |       |   |   |               |   |   |       |       | 0.855     | a     | 26032  | A   |        |       |       |         |      | CH    | 156 |
| 85                   | AK | ALL SE ALASKA     | SP   | CHIN | A  | 20679    | 1     |        |   |           |   |       |   |   |               |   |   |       |       | 0.932     | a     | 19269  | A   | 176992 |       | 177.0 |         | CH   | 157   |     |
| 85                   | BC | 1-5               | TR   | CHIN | D  | 186723   | 3     |        |   |           |   | 0.463 |   |   |               |   |   |       |       | d         |       | 86443  | D   |        |       |       |         |      | CH    | 167 |
| 85                   | BC | 6-12              | TR   | CHIN | D  | 28818    | 3     |        |   |           |   | 0.321 |   |   |               |   |   |       |       | d         |       | 9240   | D   |        |       |       |         |      | CH    | 168 |
| 85                   | BC | 21-27             | TR   | CHIN | D  | 354000   | 3     |        |   |           |   | 0.795 |   |   |               |   |   |       |       | d         |       | 281519 | D   |        |       |       |         |      | CH    | 169 |
| 85                   | BC | 13-19, 28, 29     | CO   | CHIN | D  | 76369    | 3     |        |   |           |   | 0.102 |   |   |               |   |   |       |       | d         |       | 7820   | D   |        |       |       |         |      | CH    | 170 |
| 85                   | BC | 1-5               | CN   | CHIN | D  | 70666    | 3     |        |   |           |   | 0.399 |   |   |               |   |   |       |       | d         |       | 28224  | D   |        |       |       |         |      | CH    | 171 |
| 85                   | BC | 6-10              | CN   | CHIN | D  | 27277    | 3     |        |   |           |   | 0.410 |   |   |               |   |   |       |       | d         |       | 11197  | D   |        |       |       |         |      | CH    | 172 |
| 85                   | BC | 21-27             | CN   | CHIN | D  | 21773    | 3     |        |   |           |   | 0.416 |   |   |               |   |   |       |       | d         |       | 9066   | D   |        |       |       |         |      | CH    | 173 |
| 85                   | BC | 20                | CN   | CHIN | D  | 44594    | 3     |        |   |           |   | 0.743 |   |   |               |   |   |       |       | d         |       | 33118  | D   |        |       |       |         |      | CH    | 174 |
| 85                   | BC | 11-13             | CN   | CHIN | D  | 43352    | 3     |        |   |           |   | 0.273 |   |   |               |   |   |       |       | d         |       | 11828  | D   |        |       |       |         |      | CH    | 175 |
| 85                   | BC | 29                | CN   | CHIN | D  | 28882    | 3     |        |   |           |   | 0.034 |   |   |               |   |   |       |       | d         |       | 995    | D   |        |       |       |         |      | CH    | 176 |
| 85                   | BC | 1-10              | SP   | CHIN | D  | 9000     | 3     |        |   |           |   | 0.084 |   |   |               |   |   |       |       | d         |       | 760    | D   |        |       |       |         |      | CH    | 177 |
| 85                   | BC | 21-27             | SP   | CHIN | D  | 14000    | 3     |        |   |           |   | 0.171 |   |   |               |   |   |       |       | d         |       | 2395   | D   |        |       |       |         |      | CH    | 178 |
| 85                   | BC | GEORGIA STRAIT    | SP   | CHIN | D  | 234838   | 3     |        |   |           |   | 0.299 |   |   |               |   |   |       |       | d         |       | 70247  | D   | 552852 |       | 552.8 |         | CH   | 179   |     |
| 85                   | WA | 1-4               | TR   | CHIN | E  | 58000    | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.040     | e     | 2310   | E   |        |       |       |         |      | CH    | 180 |
| 85                   | WA | 4B,5,6,6A,6C,7,7A | CO   | CHIN | E  | 60000    | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.053     | e     | 3170   | E   |        |       |       |         |      | CH    | 181 |
| 85                   | WA | 6D, 8-13, 7B-E    | CN   | CHIN | E  | 178000   | 4     | +      |   |           |   |       |   |   |               |   |   |       |       | 0.054     | e     | 9569   | E   |        |       |       |         |      | CH    | 182 |
| 85                   | WA | 1-4               | SP   | CHIN | E  | 30200    | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.012     | e     | 352    | E   |        |       |       |         |      | CH    | 183 |
| 85                   | WA | 4B-7              | SP   | CHIN | E  | 56877    | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.013     | e     | 758    | E   |        |       |       |         |      | CH    | 184 |
| 85                   | WA | 8-13              | SP   | CHIN | E  | 92603    | 4     |        |   |           |   |       |   |   |               |   |   |       |       | 0.063     | e     | 5866   | E   | 22025  |       | 22.0  |         | CH   | 185   |     |
| 86                   | AK | ALL SE ALASKA     | TR   | CHIN | A  | 222248   | 1     |        |   |           |   |       |   |   |               |   |   |       |       | 0.566     | a     | 125879 | A   |        |       |       |         |      | CH    | 186 |
| 86                   | AK | ALL SE ALASKA     | CN   | CHIN | A  | 18450    | 1     |        |   |           |   |       |   |   |               |   |   |       |       | 0.833     | a     | 15364  | A   |        |       |       |         |      | CH    | 187 |
| 86                   | AK | ALL SE ALASKA     | SP   | CHIN | A  | 18577    | 1     |        |   |           |   |       |   |   |               |   |   |       |       | 0.910     | a     | 16910  | A   | 158153 |       | 158.2 |         | CH   | 188   |     |
| 86                   | BC | 1-5               | TR   | CHIN | D  | 152999   | 3     |        |   |           |   | 0.531 |   |   |               |   |   |       |       | d         |       | 81299  | D   |        |       |       |         |      | CH    | 198 |
| 86                   | BC | 6-12              | TR   | CHIN | D  | 52556    | 3     |        |   |           |   | 0.392 |   |   |               |   |   |       |       | d         |       | 20621  | D   |        |       |       |         |      | CH    | 199 |
| 86                   | BC | 21-27             | TR   | CHIN | D  | 342000   | 3     |        |   |           |   | 0.866 |   |   |               |   |   |       |       | d         |       | 296271 | D   |        |       |       |         |      | CH    | 200 |
| 86                   | BC | 13-19, 28, 29     | CO   | CHIN | D  | 52135    | 3     |        |   |           |   | 0.181 |   |   |               |   |   |       |       | d         |       | 9412   | D   |        |       |       |         |      | CH    | 201 |
| 86                   | BC | 1-5               | CN   | CHIN | D  | 42716    | 3     |        |   |           |   | 0.457 |   |   |               |   |   |       |       | d         |       | 19525  | D   |        |       |       |         |      | CH    | 202 |
| 86                   | BC | 6-10              | CN   | CHIN | D  | 55280    | 3     |        |   |           |   | 0.426 |   |   |               |   |   |       |       | d         |       | 23535  | D   |        |       |       |         |      | CH    | 203 |



Chinook TC: Rows 10..185  
 Transboundary TC: Rows 186..257

FILE: BCCHIN2

| YR | JURISDICTION/AREA |         |    | CATCH |      |      |       | Alaska |   |               |   | Xboundary |   |      |       | INTERCEPTIONS |     |    |       | TOTAL | TOTAL   | EXCHANGED | Tech  | Orig  |    |    |        |      |    |    |     |
|----|-------------------|---------|----|-------|------|------|-------|--------|---|---------------|---|-----------|---|------|-------|---------------|-----|----|-------|-------|---------|-----------|-------|-------|----|----|--------|------|----|----|-----|
|    |                   |         |    | GEAR  | SPEC | CA   | NOTES | Alaska |   | Southern U.S. |   | Xboundary |   | B.C. | NOTES | OTHER         | XBR | CA | OTHER | XBR   | ( '000) | Cmte      | Seq # |       |    |    |        |      |    |    |     |
| a  | b                 | c       | d  | e     | f    | g    | h     | i      | j | l             | m | n         | o | p    | q     | r             | s   | t  | u     | v     | w       | x         | y     | z     | aa | ab | ac     | ad   | ae | af |     |
| 81 | AK                | OTHERS  | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 8100  | B1 |    | 124235 |      |    | TB | 37  |
| 81 |                   |         |    | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1 *    |           |       |       | B1 |    | 62118  | 62.1 |    | TB | 38  |
| 81 | BC                | STIKINE | AL | CHIN  | B2   | 1558 | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 1558  | B2 |    |        |      |    | TB | 39  |
| 81 | BC                | TAKU    | GN | CHIN  | B2   | 159  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 159   | B2 |    |        |      |    | TB | 40  |
| 81 | BC                | ALSEK   | IF | CHIN  | B2   | 150  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 150   | B2 |    |        |      |    | TB | 41  |
| 81 | BC                | ALSEK   | SP | CHIN  | B2   | 315  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 315   | B2 |    | 2182   |      |    | TB | 42  |
| 82 | AK                | STIKINE | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 58396 | B1 |    |        |      |    | TB | 65  |
| 82 | AK                | TAKU    | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 22587 | B1 |    |        |      |    | TB | 66  |
| 82 | AK                | ALSEK   | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 4738  | B1 |    |        |      |    | TB | 67  |
| 82 | AK                | OTHERS  | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 8100  | B1 |    | 93821  |      |    | TB | 68  |
| 82 |                   |         |    | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1 *    |           |       |       | B1 |    | 46911  | 46.9 |    | TB | 69  |
| 82 | BC                | STIKINE | AL | CHIN  | B2   | 2387 | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 2387  | B2 |    |        |      |    | TB | 70  |
| 82 | BC                | TAKU    | GN | CHIN  | B2   | 54   | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 54    | B2 |    |        |      |    | TB | 71  |
| 82 | BC                | ALSEK   | IF | CHIN  | B2   | 400  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 400   | B2 |    |        |      |    | TB | 72  |
| 82 | BC                | ALSEK   | SP | CHIN  | B2   | 224  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 224   | B2 |    | 3065   |      |    | TB | 73  |
| 83 | AK                | STIKINE | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 14898 | B1 |    |        |      |    | TB | 96  |
| 83 | AK                | TAKU    | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 9987  | B1 |    |        |      |    | TB | 97  |
| 83 | AK                | ALSEK   | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 5074  | B1 |    |        |      |    | TB | 98  |
| 83 | AK                | OTHERS  | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 8100  | B1 |    | 38059  |      |    | TB | 99  |
| 83 |                   |         |    | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1 *    |           |       |       | B1 |    | 19030  | 19.0 |    | TB | 100 |
| 83 | BC                | STIKINE | AL | CHIN  | B2   | 1633 | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 1633  | B2 |    |        |      |    | TB | 101 |
| 83 | BC                | TAKU    | GN | CHIN  | B2   | 156  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 156   | B2 |    |        |      |    | TB | 102 |
| 83 | BC                | ALSEK   | IF | CHIN  | B2   | 300  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 300   | B2 |    |        |      |    | TB | 103 |
| 83 | BC                | ALSEK   | SP | CHIN  | B2   | 312  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 312   | B2 |    | 2401   |      |    | TB | 104 |
| 84 | AK                | STIKINE | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 25793 | B1 |    |        |      |    | TB | 127 |
| 84 | AK                | TAKU    | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 18928 | B1 |    |        |      |    | TB | 128 |
| 84 | AK                | ALSEK   | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 3344  | B1 |    |        |      |    | TB | 129 |
| 84 | AK                | OTHERS  | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 8100  | B1 |    | 56165  |      |    | TB | 130 |
| 84 |                   |         |    | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1 *    |           |       |       | B1 |    | 28083  | 28.1 |    | TB | 131 |
| 84 | BC                | STIKINE | AL | CHIN  | B2   | 702  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 702   | B2 |    |        |      |    | TB | 132 |
| 84 | BC                | TAKU    | GN | CHIN  | B2   | 294  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 294   | B2 |    |        |      |    | TB | 133 |
| 84 | BC                | ALSEK   | IF | CHIN  | B2   | 100  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 100   | B2 |    |        |      |    | TB | 134 |
| 84 | BC                | ALSEK   | SP | CHIN  | B2   | 475  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 475   | B2 |    | 1571   |      |    | TB | 135 |
| 85 | AK                | STIKINE | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 31955 | B1 |    |        |      |    | TB | 158 |
| 85 | AK                | TAKU    | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 34403 | B1 |    |        |      |    | TB | 159 |
| 85 | AK                | ALSEK   | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 2916  | B1 |    |        |      |    | TB | 160 |
| 85 | AK                | OTHERS  | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 8100  | B1 |    | 77374  |      |    | TB | 161 |
| 85 |                   |         |    | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1 *    |           |       |       | B1 |    | 23212  | 23.2 |    | TB | 162 |
| 85 | BC                | STIKINE | AL | CHIN  | B2   | 1111 | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 1111  | B2 |    |        |      |    | TB | 163 |
| 85 | BC                | TAKU    | GN | CHIN  | B2   | 326  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 326   | B2 |    |        |      |    | TB | 164 |
| 85 | BC                | ALSEK   | IF | CHIN  | B2   | 175  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 175   | B2 |    |        |      |    | TB | 165 |
| 85 | BC                | ALSEK   | SP | CHIN  | B2   | 250  | 2     |        |   |               |   |           |   |      | 1.000 |               |     |    |       |       | b2      |           |       | 250   | B2 |    | 1862   |      |    | TB | 166 |
| 86 | AK                | STIKINE | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 31519 | B1 |    |        |      |    | TB | 189 |
| 86 | AK                | TAKU    | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 35753 | B1 |    |        |      |    | TB | 190 |
| 86 | AK                | ALSEK   | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 5418  | B1 |    |        |      |    | TB | 191 |
| 86 | AK                | OTHERS  | AL | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1      |           |       | 8100  | B1 |    | 80790  |      |    | TB | 192 |
| 86 |                   |         |    | CHIN  | B1   |      |       |        |   |               |   |           |   |      |       |               |     |    |       |       | b1 *    |           |       |       | B1 |    | 24237  | 24.2 |    | TB | 193 |

Chinook TC: Rows 10..185  
 Transboundary TC: Rows 186..257  
 FILE: BCCHIN2

| YR JURISDICTION/AREA |    |         | CATCH |      | Alaska |          | Xboundary |               |   |      |       | INTERCEPTIONS |     | TOTAL | TOTAL EXCHANGED | Tech  | Orig   |      |       |   |      |   |   |       |    |       |      |    |    |    |     |
|----------------------|----|---------|-------|------|--------|----------|-----------|---------------|---|------|-------|---------------|-----|-------|-----------------|-------|--------|------|-------|---|------|---|---|-------|----|-------|------|----|----|----|-----|
| a                    | b  | c       | GEAR  | SPEC | CA     | (number) | NOTES     | Southern U.S. |   | B.C. | NOTES | OTHER         | XBR | CA    | OTHER           | XBR   | ('000) | Cmte | Seq # |   |      |   |   |       |    |       |      |    |    |    |     |
|                      |    |         | d     | e    | f      | g        | h         | i             | j | l    | m     | n             | o   | p     | q               | r     | s      | t    | u     | v | w    | x | y | z     | aa | ab    | ac   | ad | ae | af |     |
| 86                   | BC | STIKINE | AL    | CHIN | B2     | 1936     | 2         |               |   |      |       |               |     |       |                 | 1.000 |        |      |       |   | b2   |   |   | 1936  | B2 |       |      |    |    | TB | 194 |
| 86                   | BC | TAKU    | GN    | CHIN | B2     | 275      | 2         |               |   |      |       |               |     |       |                 | 1.000 |        |      |       |   | b2   |   |   | 275   | B2 |       |      |    |    | TB | 195 |
| 86                   | BC | ALSEK   | IF    | CHIN | B2     | 102      | 2         |               |   |      |       |               |     |       |                 | 1.000 |        |      |       |   | b2   |   |   | 102   | B2 |       |      |    |    | TB | 196 |
| 86                   | BC | ALSEK   | SP    | CHIN | B2     | 165      | 2         |               |   |      |       |               |     |       |                 | 1.000 |        |      |       |   | b2   |   |   | 165   | B2 | 2478  |      |    |    | TB | 197 |
| 87                   | AK | STIKINE | AL    | CHIN | B1     |          |           |               |   |      |       |               |     |       |                 |       |        |      |       |   | b1   |   |   | 47444 | B1 |       |      |    |    | TB | 220 |
| 87                   | AK | TAKU    | AL    | CHIN | B1     |          |           |               |   |      |       |               |     |       |                 |       |        |      |       |   | b1   |   |   | 31625 | B1 |       |      |    |    | TB | 221 |
| 87                   | AK | ALSEK   | AL    | CHIN | B1     |          |           |               |   |      |       |               |     |       |                 |       |        |      |       |   | b1   |   |   | 5232  | B1 |       |      |    |    | TB | 222 |
| 87                   | AK | OTHERS  | AL    | CHIN | B1     |          |           |               |   |      |       |               |     |       |                 |       |        |      |       |   | b1   |   |   | 8100  | B1 | 92401 |      |    |    | TB | 223 |
| 87                   |    |         |       | CHIN | B1     |          |           |               |   |      |       |               |     |       |                 |       |        |      |       |   | b1 * |   |   |       | B1 | 27720 | 27.7 |    |    | TB | 224 |
| 87                   | BC | STIKINE | AL    | CHIN | B2     | 2201     | 2         |               |   |      |       |               |     |       |                 | 1.000 |        |      |       |   | b2   |   |   | 2201  | B2 |       |      |    |    | TB | 225 |
| 87                   | BC | TAKU    | GN    | CHIN | B2     | 127      | 2         |               |   |      |       |               |     |       |                 | 1.000 |        |      |       |   | b2   |   |   | 127   | B2 |       |      |    |    | TB | 226 |
| 87                   | BC | ALSEK   | IF    | CHIN | B2     | 125      | 2         |               |   |      |       |               |     |       |                 | 1.000 |        |      |       |   | b2   |   |   | 125   | B2 |       |      |    |    | TB | 227 |
| 87                   | BC | ALSEK   | SP    | CHIN | B2     | 365      | 2         |               |   |      |       |               |     |       |                 | 1.000 |        |      |       |   | b2   |   |   | 365   | B2 | 2818  |      |    |    | TB | 228 |

\* Southeast Alaska catches of Canadian origin chinook were scaled downward by 0.7 prior to 1981, 0.5 for 1981-84, and 0.3 for 1985-87.  
 + Freshwater terminal catch included by mistake.

## **APPENDIX 4**

**COHO TECHNICAL COMMITTEE (1980-1987 DATA)**

**INTERCEPTION ESTIMATES: COHO**

**SPECIAL HARVEST AREA CATCHES AND ESTIMATES OF HATCHERY  
CONTRIBUTION FOR ALASKA FISHERIES**

**INTERCEPTION ESTIMATES: COHO**

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area     | Gear | Spec | Catch  | Adjusted Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |        | CAT | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |         | Notes | Alaska Hatchery |
|----|----|----------|------|------|--------|----------------|------------------------------|-----------|--|-----------|--------|-----|--|-----------|---------|-------|-----------------|
|    |    |          |      |      |        |                | U.S. Est.                    | Can. Est. | U.S. Est.  | Can. Est. | Diff.  |     | U.S. Est.  | Can. Est. | Diff.   |       |                 |
| a  | b  | c        | d    | e    | f      | g              | h                            | i         | k  | l         | m      | o   | p  | q         | r       | t     | u               |
| 80 | AK |          | ALL  | SP   | COHO   | 0              |                              |           | 0  | 0         | 0      | A   |  |           |         | a     |                 |
| 80 | AK | 101      | ANN  | GN   | COHO   | 2728           | 0.44                         | 0.55      | 1200   | 1500      | -300   | A   |  |           |         | b,c,d |                 |
| 80 | AK | 101      | ANN  | OG   | COHO   | 2005           | 0.13                         | 0.25      | 261  | 501       | -241   | A   |  |           |         | b,c,d |                 |
| 80 | AK | 101      | ANN  | SE   | COHO   | 912            | 0.13                         | 0.25      | 119  | 228       | -109   | A   |  |           |         | b,c,d |                 |
| 80 | AK | 101      | GN   | COHO | 22723  | 22635          | 0.44                         | 0.55      | 9959   | 12498     | -2538  | A   |  |           |         | b,c   | 88              |
| 80 | AK | 101      | SE   | COHO | 31602  | 30111          | 0.13                         | 0.25      | 3914   | 7901      | -3986  | A   |  |           |         | b,c   | 1491            |
| 80 | AK | 101      | TR   | COHO | 49152  | 48855          | 0.13                         | 0.25      | 6351   | 12288     | -5937  | A   |  |           |         | b,c   | 297             |
| 80 | AK | 102      | SE   | COHO | 15705  | 15688          | 0.18                         | 0.35      | 2824   | 5497      | -2673  | A   |  |           |         | b,c   | 17              |
| 80 | AK | 102      | TR   | COHO | 40407  | 40304          | 0.18                         | 0.35      | 7255   | 14142     | -6888  | A   |  |           |         | b,c   | 103             |
| 80 | AK | 103      | SE   | COHO | 20701  | 20701          | 0.03                         | 0.10      | 621  | 2070      | -1449  | A   |  |           |         | b,c   |                 |
| 80 | AK | 103      | TR   | COHO | 69692  | 69610          | 0.03                         | 0.10      | 2088   | 6969      | -4881  | A   |  |           |         | b,c   | 82              |
| 80 | AK | 104      | SE   | COHO | 113123 | 113086         | 0.17                         | 0.35      | 19225  | 39593     | -20368 | A   |  |           |         | b,c   | 37              |
| 80 | AK | 104      | TR   | COHO | 32094  | 32070          | 0.17                         | 0.35      | 5452   | 11233     | -5781  | A   |  |           |         | b,c   | 24              |
| 80 | AK | 105      | SE   | COHO | 201    | 201            | 0.04                         | 0.08      | 8  | 16        | -8     | A   |  |           |         | b,c   |                 |
| 80 | AK | 105      | TR   | COHO | 11896  | 11896          | 0.04                         | 0.08      | 476  | 952       | -476   | A   |  |           |         | b,c   |                 |
| 80 | AK | 106      | GN   | COHO | 16580  | 16580          | 0.04                         | 0.08      | 663  | 1326      | -663   | A   |  |           |         | b,c,e |                 |
| 80 | AK | 109      | SE   | COHO | 5021   | 5021           | 0.09                         | 0.10      | 452  | 502       | -50    | A   |  |           |         | b,c   |                 |
| 80 | AK | 109      | TR   | COHO | 59535  | 59192          | 0.09                         | 0.10      | 5327   | 5953      | -626   | A   |  |           |         | b,c   | 343             |
| 80 | AK | 113      | SE   | COHO | 2387   | 2387           | 0.09                         | 0.09      | 215  | 215       | 0      | A   |  |           |         | b,c   |                 |
| 80 | AK | 113      | TR   | COHO | 77223  | 76650          | 0.09                         | 0.45      | 6898   | 34750     | -27852 | A   |  |           |         | b,c   | 573             |
| 80 | AK | 116      | TR   | COHO | 6871   | 6863           | 0.07                         | 0.09      | 480  | 618       | -138   | A   |  |           |         | b,c   | 8               |
| 80 | AK | 152      | TR   | COHO | 106939 | 106857         | 0.17                         | 0.35      | 18166  | 37429     | -19263 | A   |  |           |         | b,c   | 82              |
| 80 | AK | 154      | TR   | COHO | 145880 | 145069         | 0.09                         | 0.45      | 13056  | 65646     | -52590 | A   |  |           |         | b,c   | 811             |
| 80 | AK | 156      | TR   | COHO | 31605  | 31605          | 0.07                         | 0.09      | 2212   | 2844      | -632   | A   |  |           |         | b,c   |                 |
| 80 | AK | 157      | TR   | COHO | 5062   | 5011           | 0.07                         | 0.09      | 351  | 456       | -105   | A   |  |           |         | b,c   | 51              |
| 80 | AK | 181      | TR   | COHO | 1137   | 1137           | 0.03                         | 0.09      | 34   | 102       | -68    | A   |  |           |         | b,c   |                 |
| 80 | AK | 189      | TR   | COHO | 3379   | 3379           | 0.03                         | 0.09      | 101  | 304       | -203   | A   | 107709   | 265535    | -157825 | b,c,f |                 |
| 80 | BC | 1        | GN   | COHO | 16152  |                | 0.07                         | 0.07      | 1131   | 1131      | 0      | C   |  |           |         | g     |                 |
| 80 | BC | 1        | SE   | COHO | 11422  |                | 0.07                         | 0.07      | 800  | 800       | 0      | C   |  |           |         | g     |                 |
| 80 | BC | 1        | TR   | COHO | 279946 |                | 0.16                         | 0.15      | 44791  | 41992     | 2799   | C   |  |           |         |       |                 |
| 80 | BC | 2E       | GN   | COHO | 4808   |                | 0.08                         |           | 385  | 0         | 385    | C   |  |           |         |       |                 |
| 80 | BC | 2E       | SE   | COHO | 1107   |                | 0.08                         |           | 89   | 0         | 89     | C   |  |           |         |       |                 |
| 80 | BC | 2E       | TR   | COHO | 105438 |                | 0.17                         | 0.17      | 17924  | 17924     | 0      | C   |  |           |         |       |                 |
| 80 | BC | 2W       | GN   | COHO | 831    |                |                              |           | 0  | 0         | 0      | C   |  |           |         | h     |                 |
| 80 | BC | 2W       | SE   | COHO | 15804  |                |                              |           | 0  | 0         | 0      | C   |  |           |         | h     |                 |
| 80 | BC | 2W       | TR   | COHO | 64664  |                | 0.16                         | 0.15      | 10346  | 9700      | 647    | C   |  |           |         |       |                 |
| 80 | BC | 3        | TR   | COHO | 37888  |                | 0.16                         | 0.08      | 6062   | 3031      | 3031   | C   |  |           |         | i     |                 |
| 80 | BC | 3-1      | GN   | COHO | 3467   |                | 0.20                         | 0.16      | 693  | 555       | 139    | C   |  |           |         | j     |                 |
| 80 | BC | 3-1      | SE   | COHO | 2906   |                | 0.20                         | 0.16      | 581  | 465       | 116    | C   |  |           |         | j     |                 |
| 80 | BC | 3-(2-4)  | GN   | COHO | 5746   |                | 0.09                         | 0.08      | 517  | 460       | 57     | C   |  |           |         | j     |                 |
| 80 | BC | 3-(2-4)  | SE   | COHO | 11169  |                | 0.09                         | 0.08      | 1005   | 894       | 112    | C   |  |           |         | j     |                 |
| 80 | BC | 3-(7-17) | GN   | COHO | 7547   |                | 0.04                         |           | 302  | 0         | 302    | C   |  |           |         | j     |                 |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area     | Gear | Spec | Catch  | Adjusted Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |       | CAT | ---- INTERCEPTION ----<br>---- CATEGORY SUMMARY --- |           |       | Notes | Alaska Hatchery |
|----|----|----------|------|------|--------|----------------|------------------------------|-----------|--|-----------|-------|-----|---|-----------|-------|-------|-----------------|
|    |    |          |      |      |        |                | U.S. Est.                    | Can. Est. | U.S. Est.  | Can. Est. | Diff. |     | U.S. Est.   | Can. Est. | Diff. |       |                 |
| a  | b  | c        | d    | e    | f      | g              | h                            | i         | k  | l         | m     | o   | p   | q         | r     | t     | u               |
| 80 | BC | 3-(7-17) | SE   | COHO | 6127   |                | 0.04                         |           | 245  | 0         | 245   | C   |   |           |       |       | j               |
| 80 | BC |          | 4 GN | COHO | 20358  |                | 0.01                         |           | 204  | 0         | 204   | C   |   |           |       |       |                 |
| 80 | BC |          | 4 SE | COHO | 1096   |                | 0.12                         | 0.06      | 132  | 66        | 66    | C   |   |           |       |       |                 |
| 80 | BC |          | 4 TR | COHO | 11842  |                | 0.01                         |           | 118  | 0         | 118   | C   |   |           |       |       |                 |
| 80 | BC |          | 5 TR | COHO | 19351  |                | 0.07                         | 0.06      | 1355   | 1161      | 194   | C   |   |           |       |       |                 |
| 80 | BC | 5 oth    | GN   | COHO | 10897  |                | 0.03                         |           | 327  | 0         | 327   | C   |   |           |       |       | k               |
| 80 | BC | 5 oth    | SE   | COHO | 1825   |                | 0.03                         |           | 55   | 0         | 55    | C   |   |           |       |       | k               |
| 80 | BC | 5-11     | GN   | COHO | 2100   |                | 0.03                         | 0.07      | 63   | 147       | -84   | C   |   |           |       |       | k               |
| 80 | BC | 5-11     | SE   | COHO | 1200   |                | 0.03                         | 0.07      | 36   | 84        | -48   | C   |   |           |       |       | k               |
| 80 | BC | 6        | TR   | COHO | 26124  |                | 0.07                         | 0.06      | 1829   | 1567      | 261   | C   | 88989   | 79975     | 9014  |       |                 |
| 80 | BC | 1        | TR   | COHO | 279946 |                | 0.02                         |           | 5599   | 0         | 5599  | D   |   |           |       |       |                 |
| 80 | BC | 2E       | TR   | COHO | 105438 |                | 0.02                         |           | 2109   | 0         | 2109  | D   |   |           |       |       |                 |
| 80 | BC | 2W       | TR   | COHO | 64664  |                | 0.02                         |           | 1293   | 0         | 1293  | D   |   |           |       |       |                 |
| 80 | BC | 3        | TR   | COHO | 37888  |                | 0.02                         |           | 758  | 0         | 758   | D   |   |           |       |       | l               |
| 80 | BC | 4        | TR   | COHO | 11842  |                | 0.02                         |           | 237  | 0         | 237   | D   |   |           |       |       |                 |
| 80 | BC | 5        | TR   | COHO | 19351  |                | 0.02                         |           | 387  | 0         | 387   | D   |   |           |       |       |                 |
| 80 | BC | 6        | GN   | COHO | 14054  |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 6        | SE   | COHO | 67477  |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 6        | TR   | COHO | 26124  |                | 0.13                         |           | 3396   | 0         | 3396  | D   |   |           |       |       |                 |
| 80 | BC | 7        | GN   | COHO | 15975  |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 7        | SE   | COHO | 16948  |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 7        | TR   | COHO | 39242  |                | 0.13                         | 0.10      | 5101   | 3924      | 1177  | D   |   |           |       |       | m               |
| 80 | BC | 8        | GN   | COHO | 11605  |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 8        | SE   | COHO | 15937  |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 8        | TR   | COHO | 20128  |                | 0.13                         | 0.10      | 2617   | 2013      | 604   | D   |   |           |       |       | m               |
| 80 | BC | 9        | GN   | COHO | 1436   |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 9        | SE   | COHO | 0      |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 9        | TR   | COHO | 19277  |                | 0.13                         | 0.10      | 2506   | 1928      | 578   | D   |   |           |       |       | m               |
| 80 | BC | 10       | GN   | COHO | 2460   |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 10       | TR   | COHO | 6521   |                | 0.13                         | 0.10      | 848  | 652       | 196   | D   |   |           |       |       | m               |
| 80 | BC | 11       | GN   | COHO | 3477   |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 11       | SE   | COHO | 69     |                |                              |           | 0  | 0         | 0     | D   |   |           |       |       |                 |
| 80 | BC | 11       | TR   | COHO | 172803 |                | 0.13                         | 0.10      | 22464  | 17280     | 5184  | D   |   |           |       |       |                 |
| 80 | BC | 12       | GN   | COHO | 22834  |                | 0.05                         |           | 1142   | 0         | 1142  | D   |   |           |       |       |                 |
| 80 | BC | 12       | SE   | COHO | 96972  |                | 0.05                         |           | 4849   | 0         | 4849  | D   |   |           |       |       |                 |
| 80 | BC | 12       | TR   | COHO | 29381  |                | 0.19                         | 0.15      | 5582   | 4407      | 1175  | D   |   |           |       |       |                 |
| 80 | BC | 13       | GN   | COHO | 7009   |                | 0.07                         |           | 491  | 0         | 491   | D   |   |           |       |       |                 |
| 80 | BC | 13       | SE   | COHO | 32634  |                | 0.07                         |           | 2284   | 0         | 2284  | D   |   |           |       |       |                 |
| 80 | BC | 13       | TR   | COHO | 42701  |                | 0.19                         | 0.08      | 8113   | 3416      | 4697  | D   |   |           |       |       |                 |
| 80 | BC | 14       | GN   | COHO | 764    |                | 0.10                         |           | 76   | 0         | 76    | D   |   |           |       |       |                 |
| 80 | BC | 14       | SE   | COHO | 137    |                | 0.10                         |           | 14   | 0         | 14    | D   |   |           |       |       |                 |
| 80 | BC | 14       | TR   | COHO | 70172  |                | 0.19                         | 0.08      | 13333  | 5614      | 7719  | D   |   |           |       |       |                 |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted   |                   | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |            |                   | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |            |  | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------|-------------------|---------------------------------|-------------------|--|------------|-------------------|----------|--|------------|--|------------|-------------------------|
|         |         |           |           |           |            | Catch<br>g | U.S.<br>Est.<br>h | Can.<br>Est.<br>i               | U.S.<br>Est.<br>k | Can.<br>Est.<br>l                                    | Diff.<br>m | U.S.<br>Est.<br>p |          | Can.<br>Est.<br>q                                  | Diff.<br>r |  |            |                         |
| 80      | BC      |           | 15        | GN        | COHO       |            |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 15        | SE        | COHO       |            |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 15        | TR        | COHO       | 15991      |                   | 0.19                            | 0.08              | 3038   | 1279       | 1759              | D        |  |            |  |            |                         |
| 80      | BC      |           | 16        | GN        | COHO       | 424        |                   | 0.10                            |                   | 42   | 0          | 42                | D        |  |            |  |            |                         |
| 80      | BC      |           | 16        | SE        | COHO       | 5017       |                   | 0.10                            |                   | 502  | 0          | 502               | D        |  |            |  |            |                         |
| 80      | BC      |           | 16        | TR        | COHO       | 6685       |                   | 0.19                            | 0.08              | 1270   | 535        | 735               | D        |  |            |  |            |                         |
| 80      | BC      |           | 17        | GN        | COHO       | 276        |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 17        | SE        | COHO       | 25         |                   | 0.10                            |                   | 3  | 0          | 3                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 17        | TR        | COHO       | 10576      |                   | 0.19                            | 0.08              | 2009   | 846        | 1163              | D        |  |            |  |            |                         |
| 80      | BC      |           | 18        | GN        | COHO       | 34         |                   | 0.10                            |                   | 3  | 0          | 3                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 18        | SE        | COHO       | 0          |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 18        | TR        | COHO       | 1079       |                   | 0.19                            | 0.08              | 205  | 86         | 119               | D        |  |            |  |            |                         |
| 80      | BC      |           | 19        | GN        | COHO       | 0          |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 19        | SE        | COHO       | 0          |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 19        | TR        | COHO       | 0          |                   |                                 | 0.08              | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 20        | GN        | COHO       | 42191      |                   | 0.89                            | 0.45              | 37550  | 18986      | 18564             | D        |  |            |  |            |                         |
| 80      | BC      |           | 20        | SE        | COHO       | 114880     |                   | 0.89                            | 0.45              | 102243   | 51696      | 50547             | D        |  |            |  |            |                         |
| 80      | BC      |           | 20        | TR        | COHO       | 2202       |                   | 0.89                            | 0.50              | 1960   | 1101       | 859               | D        |  |            |  |            |                         |
| 80      | BC      |           | 21        | GN        | COHO       | 0          |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 21        | SE        | COHO       | 0          |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 21        | TR        | COHO       | 127403     |                   | 0.64                            | 0.43              | 81538  | 54783      | 26755             | D        |  |            |  |            |                         |
| 80      | BC      |           | 22        | GN        | COHO       | 103        |                   | 0.25                            |                   | 26   | 0          | 26                | D        |  |            |  |            |                         |
| 80      | BC      |           | 22        | SE        | COHO       | 384        |                   | 0.25                            |                   | 96   | 0          | 96                | D        |  |            |  |            |                         |
| 80      | BC      |           | 22        | TR        | COHO       | 0          |                   | 0.64                            | 0.43              | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 23        | GN        | COHO       | 6792       |                   | 0.25                            |                   | 1698   | 0          | 1698              | D        |  |            |  |            |                         |
| 80      | BC      |           | 23        | SE        | COHO       | 4161       |                   | 0.25                            |                   | 1040   | 0          | 1040              | D        |  |            |  |            |                         |
| 80      | BC      |           | 23        | TR        | COHO       | 824494     |                   | 0.64                            | 0.43              | 527676   | 354532     | 173144            | D        |  |            |  |            |                         |
| 80      | BC      |           | 24        | GN        | COHO       | 183        |                   | 0.25                            |                   | 46   | 0          | 46                | D        |  |            |  |            |                         |
| 80      | BC      |           | 24        | SE        | COHO       | 253        |                   | 0.25                            |                   | 63   | 0          | 63                | D        |  |            |  |            |                         |
| 80      | BC      |           | 24        | TR        | COHO       | 345646     |                   | 0.64                            | 0.43              | 221213   | 148628     | 72586             | D        |  |            |  |            |                         |
| 80      | BC      |           | 25        | GN        | COHO       | 428        |                   | 0.47                            |                   | 201  | 0          | 201               | D        |  |            |  |            |                         |
| 80      | BC      |           | 25        | SE        | COHO       | 768        |                   | 0.47                            |                   | 361  | 0          | 361               | D        |  |            |  |            |                         |
| 80      | BC      |           | 25        | TR        | COHO       | 100273     |                   | 0.26                            | 0.25              | 26071  | 25068      | 1003              | D        |  |            |  |            |                         |
| 80      | BC      |           | 26        | GN        | COHO       | 683        |                   | 0.47                            |                   | 321  | 0          | 321               | D        |  |            |  |            |                         |
| 80      | BC      |           | 26        | SE        | COHO       | 1066       |                   | 0.47                            |                   | 501  | 0          | 501               | D        |  |            |  |            |                         |
| 80      | BC      |           | 26        | TR        | COHO       | 107408     |                   | 0.26                            | 0.25              | 27926  | 26852      | 1074              | D        |  |            |  |            |                         |
| 80      | BC      |           | 27        | GN        | COHO       | 84         |                   | 0.47                            |                   | 39   | 0          | 39                | D        |  |            |  |            |                         |
| 80      | BC      |           | 27        | SE        | COHO       | 0          |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 27        | TR        | COHO       | 200599     |                   | 0.26                            | 0.25              | 52156  | 50150      | 2006              | D        |  |            |  |            |                         |
| 80      | BC      |           | 28        | GN        | COHO       | 27         |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 28        | SE        | COHO       | 0          |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |
| 80      | BC      |           | 28        | TR        | COHO       | 0          |                   |                                 |                   | 0  | 0          | 0                 | D        |  |            |  |            |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|--|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 80      | BC      | 29AB      | GN        | COHO      | 24241      |                        | 0.10                            |                   | 2424   | 0                 | 2424       | D        |  |                   |            |            |                         |
| 80      | BC      | 29AB      | SE        | COHO      | 0          |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29AB      | TR        | COHO      | 76         |                        | 0.19                            | 0.08              | 14   | 6                 | 8          | D        |  |                   |            |            |                         |
| 80      | BC      | 29C       | GN        | COHO      | 1451       |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29C       | SE        | COHO      | 0          |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29C       | TR        | COHO      | 25         |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29D       | GN        | COHO      | 7650       |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29D       | SE        | COHO      | 0          |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29D       | TR        | COHO      | 0          |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29E       | GN        | COHO      | 0          |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29E       | SE        | COHO      | 0          |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 29E       | TR        | COHO      | 0          |                        |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 80      | BC      | 30        | TR        | COHO      | 7054       |                        | 0.13                            | 0.10              | 917  | 705               | 212        | D        |  |                   |            | n          |                         |
| 80      | BC      | GS        | SP        | COHO      | 625000     |                        | 0.19                            | 0.07              | 118750   | 43750             | 75000      | D        | 1295103  | 818238            | 476864     | o          |                         |
| 80      | WA      | 01        | SP        | COHO      | 143223     |                        |                                 | 0.07              | 0  | 10026             | -10026     | E        |  |                   |            | p          |                         |
| 80      | WA      | 01        | TR        | COHO      | 55088      |                        |                                 | 0.07              | 0  | 3856              | -3856      | E        |  |                   |            | q          |                         |
| 80      | WA      | 02        | SP        | COHO      | 135447     |                        | 0.02                            | 0.07              | 2709   | 9481              | -6772      | E        |  |                   |            | p          |                         |
| 80      | WA      | 02        | TR        | COHO      | 102770     |                        | 0.02                            | 0.10              | 2055   | 10277             | -8222      | E        |  |                   |            | q          |                         |
| 80      | WA      | 03        | SP        | COHO      | 18201      |                        | 0.04                            | 0.25              | 728  | 4550              | -3822      | E        |  |                   |            | p          |                         |
| 80      | WA      | 03        | TR        | COHO      | 129879     |                        | 0.04                            | 0.30              | 5195   | 38964             | -33769     | E        |  |                   |            | q          |                         |
| 80      | WA      | 04        | GN        | COHO      | 13         |                        |                                 | 0.35              | 0  | 5                 | -5         | E        |  |                   |            | q          |                         |
| 80      | WA      | 04        | SN        | COHO      | 30         |                        |                                 | 0.35              | 0  | 11                | -11        | E        |  |                   |            | q          |                         |
| 80      | WA      | 04        | SP        | COHO      | 26716      |                        | 0.06                            | 0.30              | 1603   | 8015              | -6412      | E        |  |                   |            | p          |                         |
| 80      | WA      | 04        | TR        | COHO      | 88621      |                        | 0.06                            | 0.35              | 5317   | 31017             | -25700     | E        |  |                   |            | q          |                         |
| 80      | WA      | 04B       | GN        | COHO      | 3354       |                        | 0.09                            | 0.35              | 302  | 1174              | -872       | E        |  |                   |            | q          |                         |
| 80      | WA      | 04B       | SN        | COHO      | 299        |                        | 0.09                            | 0.35              | 27   | 105               | -78        | E        |  |                   |            | q          |                         |
| 80      | WA      | 04B       | TR        | COHO      | 252        |                        | 0.09                            | 0.35              | 23   | 88                | -66        | E        |  |                   |            | q          |                         |
| 80      | WA      | 05        | GN        | COHO      | 40526      |                        | 0.09                            | 0.35              | 3647   | 14184             | -10537     | E        |  |                   |            | q          |                         |
| 80      | WA      | 05        | ON        | COHO      | 0          |                        | 0.09                            | 0.35              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      | 05        | SE        | COHO      | 0          |                        | 0.09                            | 0.35              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      | 05        | SN        | COHO      | 462        |                        | 0.09                            | 0.35              | 42   | 162               | -120       | E        |  |                   |            | q          |                         |
| 80      | WA      | 05        | SP        | COHO      | 18746      |                        | 0.09                            | 0.30              | 1687   | 5624              | -3937      | E        |  |                   |            | p          |                         |
| 80      | WA      | 05        | TR        | COHO      | 6          |                        | 0.09                            | 0.35              | 1  | 2                 | -2         | E        |  |                   |            | q          |                         |
| 80      | WA      | 06        | GN        | COHO      | 15753      |                        | 0.09                            | 0.35              | 1418   | 5514              | -4096      | E        |  |                   |            | q          |                         |
| 80      | WA      | 06        | ON        | COHO      | 1          |                        | 0.09                            | 0.35              | 0  | 0                 | -0         | E        |  |                   |            | q          |                         |
| 80      | WA      | 06        | SE        | COHO      | 0          |                        | 0.09                            | 0.35              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      | 06        | SN        | COHO      | 98         |                        | 0.09                            | 0.35              | 9  | 34                | -25        | E        |  |                   |            | q          |                         |
| 80      | WA      | 06        | SP        | COHO      | 5405       |                        | 0.09                            | 0.30              | 486  | 1621              | -1135      | E        |  |                   |            | p          |                         |
| 80      | WA      | 06C       | GN        | COHO      | 327        |                        | 0.09                            | 0.35              | 29   | 114               | -85        | E        |  |                   |            | q          |                         |
| 80      | WA      | 06C       | ON        | COHO      | 0          |                        | 0.09                            | 0.35              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      | 06C       | SN        | COHO      | 106        |                        | 0.09                            | 0.35              | 10   | 37                | -28        | E        |  |                   |            | q          |                         |
| 80      | WA      | 06C       | TR        | COHO      | 0          |                        | 0.09                            | 0.35              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|--|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 80      | WA      |           | 06D       | GN        | COHO       | 90                     |                                 | 0.01              | 0  | 1                 | -1         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 06D       | ON        | COHO       | 36                     |                                 | 0.01              | 0  | 0                 | -0         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 06D       | SN        | COHO       | 5602                   |                                 | 0.01              | 0  | 56                | -56        | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07        | GN        | COHO       | 93242                  |                                 | 0.32              | 29837  | 74594             | -44756     | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07        | ON        | COHO       | 5258                   |                                 | 0.32              | 1683   | 4206              | -2524      | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07        | SE        | COHO       | 139364                 |                                 | 0.32              | 44596  | 111491            | -66895     | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07        | SN        | COHO       | 370                    |                                 | 0.32              | 118  | 296               | -178       | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07        | SP        | COHO       | 7453                   |                                 | 0.32              | 2385   | 6335              | -3950      | E        |  |                   |            | p          |                         |
| 80      | WA      |           | 07A       | GN        | COHO       | 36705                  |                                 | 0.51              | 18720  | 33035             | -14315     | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07A       | ON        | COHO       | 99                     |                                 | 0.51              | 50   | 89                | -39        | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07A       | SE        | COHO       | 53180                  |                                 | 0.51              | 27122  | 47862             | -20740     | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07A       | SN        | COHO       | 108                    |                                 | 0.51              | 55   | 97                | -42        | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07B       | GN        | COHO       | 58117                  |                                 | 0.01              | 0  | 581               | -581       | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07B       | ON        | COHO       | 0                      |                                 | 0.01              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07B       | SE        | COHO       | 11667                  |                                 | 0.01              | 0  | 117               | -117       | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07B       | SN        | COHO       | 14091                  |                                 | 0.01              | 0  | 141               | -141       | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07C       | GN        | COHO       | 87                     |                                 | 0.01              | 0  | 1                 | -1         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07C       | SE        | COHO       | 120                    |                                 | 0.01              | 0  | 1                 | -1         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07C       | SN        | COHO       | 0                      |                                 | 0.01              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07D       | GN        | COHO       | 154                    |                                 | 0.01              | 0  | 2                 | -2         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 07D       | SN        | COHO       | 0                      |                                 | 0.01              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 08        | GN        | COHO       | 113279                 |                                 | 0.01              | 0  | 1133              | -1133      | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 08        | ON        | COHO       | 73                     |                                 | 0.01              | 0  | 1                 | -1         | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 08        | SE        | COHO       | 22180                  |                                 | 0.01              | 0  | 222               | -222       | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 08        | SN        | COHO       | 10075                  |                                 | 0.01              | 0  | 101               | -101       | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 08        | SP        | COHO       | 5943                   |                                 | 0.05              | 0  | 297               | -297       | E        |  |                   |            | p          |                         |
| 80      | WA      |           | 09        | GN        | COHO       | 6860                   |                                 | 0.09              | 617  | 69                | 549        | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 09        | ON        | COHO       | 0                      |                                 | 0.09              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 09        | SE        | COHO       | 125                    |                                 | 0.09              | 11   | 1                 | 10         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 09        | SN        | COHO       | 150                    |                                 | 0.09              | 14   | 2                 | 12         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 09        | SP        | COHO       | 23743                  |                                 | 0.09              | 2137   | 1187              | 950        | E        |  |                   |            | p          |                         |
| 80      | WA      |           | 09A       | GN        | COHO       | 9                      |                                 | 0.01              | 0  | 0                 | -0         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 09A       | ON        | COHO       | 0                      |                                 | 0.01              | 0  | 0                 | 0          | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 09A       | SN        | COHO       | 55                     |                                 | 0.01              | 0  | 1                 | -1         | E        |  |                   |            | q          |                         |
| 80      | WA      |           | 10        | GN        | COHO       | 115444                 |                                 | 0.01              | 0  | 1154              | -1154      | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 10        | ON        | COHO       | 14                     |                                 | 0.01              | 0  | 0                 | -0         | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 10        | SE        | COHO       | 71502                  |                                 | 0.01              | 0  | 715               | -715       | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 10        | SN        | COHO       | 9062                   |                                 | 0.01              | 0  | 91                | -91        | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 10        | SP        | COHO       | 20852                  |                                 | 0.05              | 0  | 1043              | -1043      | E        |  |                   |            | p          |                         |
| 80      | WA      |           | 11        | GN        | COHO       | 50239                  |                                 | 0.01              | 0  | 502               | -502       | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 11        | ON        | COHO       | 0                      |                                 | 0.01              | 0  | 0                 | 0          | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 11        | SE        | COHO       | 31531                  |                                 | 0.01              | 0  | 315               | -315       | E        |  |                   |            | q/?        |                         |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 80      | WA      |           | 11        | SN        | COHO       | 1353                   |                                 | 0.01              | 0   | 14                | -14        | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 11        | SP        | COHO       | 15665                  |                                 | 0.05              | 0   | 783               | -783       | E        |  |                   |            | p          |                         |
| 80      | WA      |           | 12        | GN        | COHO       | 85266                  |                                 | 0.01              | 0   | 853               | -853       | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 12        | ON        | COHO       | 0                      |                                 | 0.01              | 0   | 0                 | 0          | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 12        | SE        | COHO       | 4416                   |                                 | 0.01              | 0   | 44                | -44        | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 12        | SN        | COHO       | 11739                  |                                 | 0.01              | 0   | 117               | -117       | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 12        | SP        | COHO       | 4357                   |                                 | 0.05              | 0   | 218               | -218       | E        |  |                   |            | p          |                         |
| 80      | WA      |           | 13        | GN        | COHO       | 58381                  |                                 | 0.01              | 0   | 584               | -584       | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 13        | ON        | COHO       | 4722                   |                                 | 0.01              | 0   | 47                | -47        | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 13        | SE        | COHO       | 19                     |                                 | 0.01              | 0   | 0                 | -0         | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 13        | SN        | COHO       | 23905                  |                                 | 0.01              | 0   | 239               | -239       | E        |  |                   |            | q/?        |                         |
| 80      | WA      |           | 13        | SP        | COHO       | 16007                  |                                 | 0.05              | 0   | 800               | -800       | E        |  |                   |            | p          |                         |
| 80      | WA      |           | 54        | TR        | COHO       | 11200                  |                                 |                   | 0   | 0                 | 0          | E        |  |                   |            | r          |                         |
| 80      | WA      |           | 61        | TR        | COHO       | 4000                   |                                 |                   | 0   | 0                 | 0          | E        |  |                   |            | r          |                         |
| 80      | WA      |           | 62        | TR        | COHO       | 0                      |                                 |                   | 0   | 0                 | 0          | E        |  |                   |            | r          |                         |
| 80      | OR      |           | 01        | TR        | COHO       | 7200                   |                                 | 0.01              | 0   | 72                | -72        | E        |  |                   |            | s          |                         |
| 80      | OR      |           | 02        | SP        | COHO       | 55600                  |                                 | 0.01              | 0   | 556               | -556       | E        |  |                   |            | r          |                         |
| 80      | OR      |           | 02        | TR        | COHO       | 23500                  |                                 | 0.01              | 0   | 235               | -235       | E        |  |                   |            | s          |                         |
| 80      | OR      |           | 03        | SP        | COHO       | 28900                  |                                 | 0.01              | 0   | 289               | -289       | E        |  |                   |            | r          |                         |
| 80      | OR      |           | 03        | TR        | COHO       | 80600                  |                                 | 0.01              | 0   | 806               | -806       | E        |  |                   |            | s          |                         |
| 80      | OR      |           | 04        | SP        | COHO       | 72400                  |                                 | 0.01              | 0   | 724               | -724       | E        |  |                   |            | r          |                         |
| 80      | OR      |           | 04        | TR        | COHO       | 137300                 |                                 | 0.01              | 0   | 1373              | -1373      | E        |  |                   |            | s          |                         |
| 80      | OR      |           | 05        | SP        | COHO       | 135900                 |                                 | 0.01              | 0   | 1359              | -1359      | E        |  |                   |            | r          |                         |
| 80      | OR      |           | 05        | TR        | COHO       | 99200                  |                                 | 0.01              | 0   | 992               | -992       | E        |  |                   |            | s          |                         |
| 80      | OR      |           | 06        | SP        | COHO       | 33000                  |                                 | 0.01              | 0   | 330               | -330       | E        |  |                   |            | r          |                         |
| 80      | OR      |           | 06        | TR        | COHO       | 33500                  |                                 | 0.01              | 0   | 335               | -335       | E        |  |                   |            | s          |                         |
| 80      | OR      |           | 07        | TR        | COHO       | 1800                   |                                 | 0.01              | 0   | 18                | -18        | E        | 152634   | 441387            | -288753    | r          |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear     | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |              |              | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |              |       | CAT    | ---- INTERCEPTION ----<br>---- CATEGORY SUMMARY ---- |              |        | Notes   | Alaska<br>Hatchery |   |
|----|----|------|----------|------|-------|------------------------------|--------------|--------------|--|--------------|-------|--------|--|--------------|--------|---------|--------------------|---|
|    |    |      |          |      |       | Adjusted<br>Catch            | U.S.<br>Est. | Can.<br>Est. | U.S.<br>Est.   | Can.<br>Est. | Diff. |        | U.S.<br>Est.   | Can.<br>Est. | Diff.  |         |                    | t |
| a  | b  | c    | d        | e    | f     | g                            | h            | i            | k  | l            | m     | o      | p  | q            | r      | t       | u                  |   |
| 81 | AK |      | ALL      | SP   | COHO  |                              | 0            |              | 0  | 0            | 0     | A      |  |              |        | a       |                    |   |
| 81 | AK | 101  | ANN      | GN   | COHO  | 5152                         | 5152         | 0.44         | 0.55   | 2267         | 2834  | -567   | A  |              |        | b,c,d   |                    |   |
| 81 | AK | 101  | ANN      | OG   | COHO  | 1647                         | 1647         | 0.13         | 0.25   | 214          | 412   | -198   | A  |              |        | b,c,d   |                    |   |
| 81 | AK | 101  | ANN      | SE   | COHO  | 5740                         | 5740         | 0.13         | 0.25   | 746          | 1435  | -689   | A  |              |        | b,c,d   |                    |   |
| 81 | AK |      | 101      | GN   | COHO  | 23505                        | 22592        | 0.44         | 0.55   | 9940         | 12928 | -2987  | A  |              |        | b,c     | 913                |   |
| 81 | AK |      | 101      | SE   | COHO  | 18511                        | 18234        | 0.13         | 0.25   | 2370         | 4628  | -2257  | A  |              |        | b,c     | 277                |   |
| 81 | AK |      | 101      | TR   | COHO  | 39103                        | 37059        | 0.13         | 0.25   | 4818         | 9776  | -4958  | A  |              |        | b,c     | 2044               |   |
| 81 | AK |      | 102      | SE   | COHO  | 19460                        | 19111        | 0.18         | 0.35   | 3440         | 6811  | -3371  | A  |              |        | b,c     | 349                |   |
| 81 | AK |      | 102      | TR   | COHO  | 24830                        | 24170        | 0.18         | 0.35   | 4351         | 8691  | -4340  | A  |              |        | b,c     | 660                |   |
| 81 | AK |      | 103      | SE   | COHO  | 48663                        | 48536        | 0.03         | 0.10   | 1456         | 4866  | -3410  | A  |              |        | b,c     | 127                |   |
| 81 | AK |      | 103      | TR   | COHO  | 58906                        | 58625        | 0.03         | 0.10   | 1759         | 5891  | -4132  | A  |              |        | b,c     | 281                |   |
| 81 | AK |      | 104      | SE   | COHO  | 131095                       | 130077       | 0.17         | 0.35   | 22113        | 45883 | -23770 | A  |              |        | b,c     | 1018               |   |
| 81 | AK |      | 104      | TR   | COHO  | 130331                       | 127139       | 0.17         | 0.35   | 21614        | 45616 | -24002 | A  |              |        | b,c     | 3192               |   |
| 81 | AK |      | 105      | SE   | COHO  | 3412                         | 3412         | 0.04         | 0.08   | 136          | 273   | -136   | A  |              |        | b,c     |                    |   |
| 81 | AK |      | 105      | TR   | COHO  | 34140                        | 34140        | 0.04         | 0.08   | 1366         | 2731  | -1366  | A  |              |        | b,c     |                    |   |
| 81 | AK |      | 106      | GN   | COHO  | 22611                        | 22237        | 0.04         | 0.08   | 889          | 1809  | -919   | A  |              |        | b,c,e   | 374                |   |
| 81 | AK |      | 109      | SE   | COHO  | 2447                         | 2447         | 0.09         | 0.10   | 220          | 245   | -24    | A  |              |        | b,c     |                    |   |
| 81 | AK |      | 109      | TR   | COHO  | 75140                        | 72420        | 0.09         | 0.10   | 6518         | 7514  | -996   | A  |              |        | b,c     | 2720               |   |
| 81 | AK |      | 113      | SE   | COHO  | 34665                        | 34665        | 0.09         | 0.09   | 3120         | 3120  | -0     | A  |              |        | b,c     |                    |   |
| 81 | AK |      | 113      | TR   | COHO  | 177047                       | 173757       | 0.09         | 0.45   | 15638        | 79671 | -64033 | A  |              |        | b,c     | 3290               |   |
| 81 | AK |      | 116      | TR   | COHO  | 47228                        | 46918        | 0.07         | 0.09   | 3284         | 4251  | -966   | A  |              |        | b,c     | 310                |   |
| 81 | AK |      | 152      | TR   | COHO  | 62463                        | 62333        | 0.17         | 0.35   | 10597        | 21862 | -11265 | A  |              |        | b,c     | 130                |   |
| 81 | AK |      | 154      | TR   | COHO  | 38121                        | 37642        | 0.09         | 0.45   | 3388         | 17154 | -13767 | A  |              |        | b,c     | 479                |   |
| 81 | AK |      | 156      | TR   | COHO  | 5007                         | 5007         | 0.07         | 0.09   | 350          | 451   | -100   | A  |              |        | b,c     |                    |   |
| 81 | AK |      | 157      | TR   | COHO  | 11737                        | 11651        | 0.07         | 0.09   | 816          | 1056  | -241   | A  |              |        | b,c     | 86                 |   |
| 81 | AK |      | 181      | TR   | COHO  | 21693                        | 21585        | 0.03         | 0.09   | 648          | 1952  | -1305  | A  |              |        | b,c     | 108                |   |
| 81 | AK |      | 189      | TR   | COHO  | 1515                         | 1515         | 0.03         | 0.09   | 45           | 136   | -91    | A  | 122103       | 291995 | -169891 | b,c,f              |   |
| 81 | BC |      | 1        | GN   | COHO  | 5953                         |              | 0.07         | 0.07   | 417          | 417   | 0      | C  |              |        | g       |                    |   |
| 81 | BC |      | 1        | SE   | COHO  | 10869                        |              | 0.07         | 0.07   | 761          | 761   | 0      | C  |              |        | g       |                    |   |
| 81 | BC |      | 1        | TR   | COHO  | 197574                       |              | 0.16         | 0.15   | 31612        | 29636 | 1976   | C  |              |        |         |                    |   |
| 81 | BC |      | 2E       | GN   | COHO  | 3163                         |              | 0.08         |  | 253          | 0     | 253    | C  |              |        |         |                    |   |
| 81 | BC |      | 2E       | SE   | COHO  | 488                          |              | 0.08         |  | 39           | 0     | 39     | C  |              |        |         |                    |   |
| 81 | BC |      | 2E       | TR   | COHO  | 66520                        |              | 0.17         | 0.17   | 11308        | 11308 | 0      | C  |              |        |         |                    |   |
| 81 | BC |      | 2W       | GN   | COHO  | 257                          |              |              |  | 0            | 0     | 0      | C  |              |        |         | h                  |   |
| 81 | BC |      | 2W       | SE   | COHO  | 7430                         |              |              |  | 0            | 0     | 0      | C  |              |        |         | h                  |   |
| 81 | BC |      | 2W       | TR   | COHO  | 52001                        |              | 0.16         | 0.15   | 8320         | 7800  | 520    | C  |              |        |         |                    |   |
| 81 | BC |      | 3        | TR   | COHO  | 38425                        |              | 0.16         | 0.08   | 6148         | 3074  | 3074   | C  |              |        |         | i                  |   |
| 81 | BC |      | 3-1      | GN   | COHO  | 3123                         |              | 0.20         | 0.16   | 625          | 500   | 125    | C  |              |        |         | j                  |   |
| 81 | BC |      | 3-1      | SE   | COHO  | 2473                         |              | 0.20         | 0.16   | 495          | 396   | 99     | C  |              |        |         | j                  |   |
| 81 | BC |      | 3-(2-4)  | GN   | COHO  | 342                          |              | 0.09         | 0.08   | 31           | 27    | 3      | C  |              |        |         | j                  |   |
| 81 | BC |      | 3-(2-4)  | SE   | COHO  | 3627                         |              | 0.09         | 0.08   | 326          | 290   | 36     | C  |              |        |         | j                  |   |
| 81 | BC |      | 3-(7-17) | GN   | COHO  | 4767                         |              | 0.04         |  | 191          | 0     | 191    | C  |              |        |         | j                  |   |
| 81 | BC |      | 3-(7-17) | SE   | COHO  | 4188                         |              | 0.04         |  | 168          | 0     | 168    | C  |              |        |         | j                  |   |
| 81 | BC |      | 4        | GN   | COHO  | 29062                        |              | 0.01         |  | 291          | 0     | 291    | C  |              |        |         |                    |   |
| 81 | BC |      | 4        | SE   | COHO  | 3926                         |              | 0.01         |  | 39           | 0     | 39     | C  |              |        |         |                    |   |
| 81 | BC |      | 4        | TR   | COHO  | 14856                        |              | 0.12         | 0.06   | 1783         | 891   | 891    | C  |              |        |         |                    |   |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area  | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |           |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |       | CAT | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |       | Notes | Alaska Hatchery |
|----|----|-------|------|------|--------|------------------------------|-----------|-----------|--|-----------|-------|-----|--|-----------|-------|-------|-----------------|
|    |    |       |      |      |        | Adjusted Catch               | U.S. Est. | Can. Est. | U.S. Est.  | Can. Est. | Diff. |     | U.S. Est.  | Can. Est. | Diff. |       |                 |
| a  | b  | c     | d    | e    | f      | g                            | h         | i         | k  | l         | m     | o   | p  | q         | r     | t     | u               |
| 81 | BC |       | 5 TR | COHO | 6238   |                              | 0.07      | 0.06      | 437  | 374       | 62    | C   |  |           |       |       |                 |
| 81 | BC | 5 oth | GN   | COHO | 5809   |                              | 0.03      |           | 174  | 0         | 174   | C   |  |           |       |       | k               |
| 81 | BC | 5 oth | SE   | COHO | 536    |                              | 0.03      |           | 16   | 0         | 16    | C   |  |           |       |       | k               |
| 81 | BC | 5-11  | GN   | COHO | 2100   |                              | 0.03      | 0.07      | 63   | 147       | -84   | C   |  |           |       |       | k               |
| 81 | BC | 5-11  | SE   | COHO | 1200   |                              | 0.03      | 0.07      | 36   | 84        | -48   | C   |  |           |       |       | k               |
| 81 | BC | 6     | TR   | COHO | 17369  |                              | 0.07      | 0.06      | 1216   | 1042      | 174   | C   | 64747  | 56748     | 7999  |       |                 |
| 81 | BC | 1     | TR   | COHO | 197574 |                              | 0.02      |           | 3951   | 0         | 3951  | D   |  |           |       |       |                 |
| 81 | BC | 2E    | TR   | COHO | 66520  |                              | 0.02      |           | 1330   | 0         | 1330  | D   |  |           |       |       |                 |
| 81 | BC | 2W    | TR   | COHO | 52001  |                              | 0.02      |           | 1040   | 0         | 1040  | D   |  |           |       |       |                 |
| 81 | BC | 3     | TR   | COHO | 38425  |                              | 0.02      |           | 769  | 0         | 769   | D   |  |           |       |       | l               |
| 81 | BC | 4     | TR   | COHO | 14856  |                              | 0.02      |           | 297  | 0         | 297   | D   |  |           |       |       |                 |
| 81 | BC | 5     | TR   | COHO | 6238   |                              | 0.02      |           | 125  | 0         | 125   | D   |  |           |       |       |                 |
| 81 | BC | 6     | GN   | COHO | 8590   |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 6     | SE   | COHO | 33776  |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 6     | TR   | COHO | 17369  |                              | 0.13      |           | 2258   | 0         | 2258  | D   |  |           |       |       |                 |
| 81 | BC | 7     | GN   | COHO | 12310  |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 7     | SE   | COHO | 27998  |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 7     | TR   | COHO | 32474  |                              | 0.13      | 0.10      | 4222   | 3247      | 974   | D   |  |           |       |       | m               |
| 81 | BC | 8     | GN   | COHO | 9054   |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 8     | SE   | COHO | 16762  |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 8     | TR   | COHO | 19986  |                              | 0.13      | 0.10      | 2598   | 1999      | 600   | D   |  |           |       |       | m               |
| 81 | BC | 9     | GN   | COHO | 2848   |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 9     | SE   | COHO | 0      |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 9     | TR   | COHO | 9857   |                              | 0.13      | 0.10      | 1281   | 986       | 296   | D   |  |           |       |       | m               |
| 81 | BC | 10    | GN   | COHO | 1631   |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 10    | TR   | COHO | 12344  |                              | 0.13      | 0.10      | 1605   | 1234      | 370   | D   |  |           |       |       | m               |
| 81 | BC | 11    | GN   | COHO | 2003   |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 11    | SE   | COHO | 0      |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 11    | TR   | COHO | 158198 |                              | 0.13      | 0.10      | 20566  | 15820     | 4746  | D   |  |           |       |       |                 |
| 81 | BC | 12    | GN   | COHO | 21723  |                              | 0.05      |           | 1086   | 0         | 1086  | D   |  |           |       |       |                 |
| 81 | BC | 12    | SE   | COHO | 135805 |                              | 0.05      |           | 6790   | 0         | 6790  | D   |  |           |       |       |                 |
| 81 | BC | 12    | TR   | COHO | 26375  |                              | 0.19      | 0.15      | 5011   | 3956      | 1055  | D   |  |           |       |       |                 |
| 81 | BC | 13    | GN   | COHO | 3031   |                              | 0.07      |           | 212  | 0         | 212   | D   |  |           |       |       |                 |
| 81 | BC | 13    | SE   | COHO | 38654  |                              | 0.07      |           | 2706   | 0         | 2706  | D   |  |           |       |       |                 |
| 81 | BC | 13    | TR   | COHO | 16351  |                              | 0.19      | 0.08      | 3107   | 1308      | 1799  | D   |  |           |       |       |                 |
| 81 | BC | 14    | GN   | COHO | 2986   |                              | 0.10      |           | 299  | 0         | 299   | D   |  |           |       |       |                 |
| 81 | BC | 14    | SE   | COHO | 0      |                              | 0.10      |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 14    | TR   | COHO | 29662  |                              | 0.19      | 0.08      | 5636   | 2373      | 3263  | D   |  |           |       |       |                 |
| 81 | BC | 15    | GN   | COHO | 0      |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 15    | SE   | COHO | 0      |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 15    | TR   | COHO | 4604   |                              | 0.19      | 0.08      | 875  | 368       | 506   | D   |  |           |       |       |                 |
| 81 | BC | 16    | GN   | COHO | 374    |                              | 0.10      |           | 37   | 0         | 37    | D   |  |           |       |       |                 |
| 81 | BC | 16    | SE   | COHO | 8908   |                              | 0.10      |           | 891  | 0         | 891   | D   |  |           |       |       |                 |
| 81 | BC | 16    | TR   | COHO | 2543   |                              | 0.19      | 0.08      | 483  | 203       | 280   | D   |  |           |       |       |                 |
| 81 | BC | 17    | GN   | COHO | 85     |                              |           |           | 0  | 0         | 0     | D   |  |           |       |       |                 |
| 81 | BC | 17    | SE   | COHO | 0      |                              | 0.10      |           | 0  | 0         | 0     | D   |  |           |       |       |                 |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|--|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 81      | BC      |           | 17        | TR        | COHO       | 8595                   |                                 | 0.19              | 0.08   | 1633              | 688        | 945      | D  |                   |            |            |                         |
| 81      | BC      |           | 18        | GN        | COHO       | 0                      |                                 | 0.10              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 18        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 18        | TR        | COHO       | 951                    |                                 | 0.19              | 0.08   | 181               | 76         | 105      | D  |                   |            |            |                         |
| 81      | BC      |           | 19        | GN        | COHO       | 3                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 19        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 19        | TR        | COHO       | 0                      |                                 |                   | 0.08   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 20        | GN        | COHO       | 39083                  |                                 | 0.89              | 0.45   | 34784             | 17587      | 17197    | D  |                   |            |            |                         |
| 81      | BC      |           | 20        | SE        | COHO       | 239103                 |                                 | 0.89              | 0.45   | 212802            | 107596     | 105205   | D  |                   |            |            |                         |
| 81      | BC      |           | 20        | TR        | COHO       | 5270                   |                                 | 0.89              | 0.50   | 4690              | 2635       | 2055     | D  |                   |            |            |                         |
| 81      | BC      |           | 21        | GN        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 21        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 21        | TR        | COHO       | 97797                  |                                 | 0.64              | 0.43   | 62590             | 42053      | 20537    | D  |                   |            |            |                         |
| 81      | BC      |           | 22        | GN        | COHO       | 0                      |                                 | 0.25              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 22        | SE        | COHO       | 0                      |                                 | 0.25              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 22        | TR        | COHO       | 0                      |                                 | 0.64              | 0.43   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 23        | GN        | COHO       | 4082                   |                                 | 0.25              |  | 1021              | 0          | 1021     | D  |                   |            |            |                         |
| 81      | BC      |           | 23        | SE        | COHO       | 2086                   |                                 | 0.25              |  | 522               | 0          | 522      | D  |                   |            |            |                         |
| 81      | BC      |           | 23        | TR        | COHO       | 661573                 |                                 | 0.64              | 0.43   | 423407            | 284476     | 138930   | D  |                   |            |            |                         |
| 81      | BC      |           | 24        | GN        | COHO       | 44                     |                                 | 0.25              |  | 11                | 0          | 11       | D  |                   |            |            |                         |
| 81      | BC      |           | 24        | SE        | COHO       | 107                    |                                 | 0.25              |  | 27                | 0          | 27       | D  |                   |            |            |                         |
| 81      | BC      |           | 24        | TR        | COHO       | 267545                 |                                 | 0.64              | 0.43   | 171229            | 115044     | 56184    | D  |                   |            |            |                         |
| 81      | BC      |           | 25        | GN        | COHO       | 295                    |                                 | 0.47              |  | 139               | 0          | 139      | D  |                   |            |            |                         |
| 81      | BC      |           | 25        | SE        | COHO       | 205                    |                                 | 0.47              |  | 96                | 0          | 96       | D  |                   |            |            |                         |
| 81      | BC      |           | 25        | TR        | COHO       | 105968                 |                                 | 0.26              | 0.25   | 27552             | 26492      | 1060     | D  |                   |            |            |                         |
| 81      | BC      |           | 26        | GN        | COHO       | 250                    |                                 | 0.47              |  | 118               | 0          | 118      | D  |                   |            |            |                         |
| 81      | BC      |           | 26        | SE        | COHO       | 292                    |                                 | 0.47              |  | 137               | 0          | 137      | D  |                   |            |            |                         |
| 81      | BC      |           | 26        | TR        | COHO       | 63484                  |                                 | 0.26              | 0.25   | 16506             | 15871      | 635      | D  |                   |            |            |                         |
| 81      | BC      |           | 27        | GN        | COHO       | 21                     |                                 | 0.47              |  | 10                | 0          | 10       | D  |                   |            |            |                         |
| 81      | BC      |           | 27        | SE        | COHO       | 10                     |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 27        | TR        | COHO       | 188956                 |                                 | 0.26              | 0.25   | 49129             | 47239      | 1890     | D  |                   |            |            |                         |
| 81      | BC      |           | 28        | GN        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 28        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      |           | 28        | TR        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29AB      | GN        | COHO      | 4238       |                        | 0.10                            |                   |  | 424               | 0          | 424      | D  |                   |            |            |                         |
| 81      | BC      | 29AB      | SE        | COHO      | 0          |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29AB      | TR        | COHO      | 1157       |                        | 0.19                            | 0.08              |  | 220               | 93         | 127      | D  |                   |            |            |                         |
| 81      | BC      | 29C       | GN        | COHO      | 193        |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29C       | SE        | COHO      | 0          |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29C       | TR        | COHO      | 4          |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29D       | GN        | COHO      | 750        |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29D       | SE        | COHO      | 0          |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29D       | TR        | COHO      | 0          |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29E       | GN        | COHO      | 0          |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29E       | SE        | COHO      | 0          |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 81      | BC      | 29E       | TR        | COHO      | 0          |                        |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |           |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |       | CAT    | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |        | Notes  | Alaska Hatchery |
|----|----|------|------|------|-------|------------------------------|-----------|-----------|--|-----------|-------|--------|--|-----------|--------|--------|-----------------|
|    |    |      |      |      |       | Adjusted Catch               | U.S. Est. | Can. Est. | U.S. Est.  | Can. Est. | Diff. |        | U.S. Est.  | Can. Est. | Diff.  |        |                 |
| a  | b  | c    | d    | e    | f     | g                            | h         | i         | k  | l         | m     | o      | p  | q         | r      | t      | u               |
| 81 | BC |      | 30   | TR   | COHO  | 4922                         |           | 0.13      | 0.10   | 640       | 492   | 148    | D  |           |        |        | n               |
| 81 | BC |      | GS   | SP   | COHO  | 391000                       |           | 0.19      | 0.07   | 74290     | 27370 | 46920  | D  | 1149329   | 719208 | 430121 | o               |
| 81 | WA |      | 01   | SP   | COHO  | 118613                       |           |           | 0.07   | 0         | 8303  | -8303  | E  |           |        |        | p               |
| 81 | WA |      | 01   | TR   | COHO  | 76997                        |           |           | 0.07   | 0         | 5390  | -5390  | E  |           |        |        | q               |
| 81 | WA |      | 02   | SP   | COHO  | 92132                        |           | 0.02      | 0.07   | 1843      | 6449  | -4607  | E  |           |        |        | p               |
| 81 | WA |      | 02   | TR   | COHO  | 124896                       |           | 0.02      | 0.10   | 2498      | 12490 | -9992  | E  |           |        |        | q               |
| 81 | WA |      | 03   | SP   | COHO  | 1323                         |           | 0.04      | 0.25   | 53        | 331   | -278   | E  |           |        |        | p               |
| 81 | WA |      | 03   | TR   | COHO  | 67137                        |           | 0.04      | 0.30   | 2685      | 20141 | -17456 | E  |           |        |        | q               |
| 81 | WA |      | 04   | GN   | COHO  | 0                            |           |           | 0.35   | 0         | 0     | 0      | E  |           |        |        | q               |
| 81 | WA |      | 04   | SN   | COHO  | 0                            |           |           | 0.35   | 0         | 0     | 0      | E  |           |        |        | q               |
| 81 | WA |      | 04   | SP   | COHO  | 25868                        |           | 0.06      | 0.30   | 1552      | 7760  | -6208  | E  |           |        |        | p               |
| 81 | WA |      | 04   | TR   | COHO  | 110092                       |           | 0.06      | 0.35   | 6606      | 38532 | -31927 | E  |           |        |        | q               |
| 81 | WA |      | 04B  | GN   | COHO  | 3475                         |           | 0.09      | 0.35   | 313       | 1216  | -904   | E  |           |        |        | q               |
| 81 | WA |      | 04B  | SN   | COHO  | 137                          |           | 0.09      | 0.35   | 12        | 48    | -36    | E  |           |        |        | q               |
| 81 | WA |      | 04B  | TR   | COHO  | 2979                         |           | 0.09      | 0.35   | 268       | 1043  | -775   | E  |           |        |        | q               |
| 81 | WA |      | 05   | GN   | COHO  | 50793                        |           | 0.09      | 0.35   | 4571      | 17778 | -13206 | E  |           |        |        | q               |
| 81 | WA |      | 05   | ON   | COHO  | 0                            |           | 0.09      | 0.35   | 0         | 0     | 0      | E  |           |        |        | q               |
| 81 | WA |      | 05   | SE   | COHO  | 0                            |           | 0.09      | 0.35   | 0         | 0     | 0      | E  |           |        |        | q               |
| 81 | WA |      | 05   | SN   | COHO  | 504                          |           | 0.09      | 0.35   | 45        | 176   | -131   | E  |           |        |        | q               |
| 81 | WA |      | 05   | SP   | COHO  | 33045                        |           | 0.09      | 0.30   | 2974      | 9914  | -6939  | E  |           |        |        | p               |
| 81 | WA |      | 05   | TR   | COHO  | 75                           |           | 0.09      | 0.35   | 7         | 26    | -20    | E  |           |        |        | q               |
| 81 | WA |      | 06   | GN   | COHO  | 20928                        |           | 0.09      | 0.35   | 1884      | 7325  | -5441  | E  |           |        |        | q               |
| 81 | WA |      | 06   | ON   | COHO  | 0                            |           | 0.09      | 0.35   | 0         | 0     | 0      | E  |           |        |        | q               |
| 81 | WA |      | 06   | SE   | COHO  | 172                          |           | 0.09      | 0.35   | 15        | 60    | -45    | E  |           |        |        | q               |
| 81 | WA |      | 06   | SN   | COHO  | 7                            |           | 0.09      | 0.35   | 1         | 2     | -2     | E  |           |        |        | q               |
| 81 | WA |      | 06   | SP   | COHO  | 19412                        |           | 0.09      | 0.30   | 1747      | 5824  | -4077  | E  |           |        |        | p               |
| 81 | WA |      | 06C  | GN   | COHO  | 863                          |           | 0.09      | 0.35   | 78        | 302   | -224   | E  |           |        |        | q               |
| 81 | WA |      | 06C  | ON   | COHO  | 0                            |           | 0.09      | 0.35   | 0         | 0     | 0      | E  |           |        |        | q               |
| 81 | WA |      | 06C  | SN   | COHO  | 22                           |           | 0.09      | 0.35   | 2         | 8     | -6     | E  |           |        |        | q               |
| 81 | WA |      | 06C  | TR   | COHO  | 76                           |           | 0.09      | 0.35   | 7         | 27    | -20    | E  |           |        |        | q               |
| 81 | WA |      | 06D  | GN   | COHO  | 172                          |           |           | 0.01   | 0         | 2     | -2     | E  |           |        |        | q               |
| 81 | WA |      | 06D  | ON   | COHO  | 7                            |           |           | 0.01   | 0         | 0     | -0     | E  |           |        |        | q               |
| 81 | WA |      | 06D  | SN   | COHO  | 6193                         |           |           | 0.01   | 0         | 62    | -62    | E  |           |        |        | q               |
| 81 | WA |      | 07   | GN   | COHO  | 33327                        |           | 0.32      | 0.80   | 10665     | 26662 | -15997 | E  |           |        |        | q               |
| 81 | WA |      | 07   | ON   | COHO  | 5249                         |           | 0.32      | 0.80   | 1680      | 4199  | -2520  | E  |           |        |        | q               |
| 81 | WA |      | 07   | SE   | COHO  | 64893                        |           | 0.32      | 0.80   | 20766     | 51914 | -31149 | E  |           |        |        | q               |
| 81 | WA |      | 07   | SN   | COHO  | 8                            |           | 0.32      | 0.80   | 3         | 6     | -4     | E  |           |        |        | q               |
| 81 | WA |      | 07   | SP   | COHO  | 6011                         |           | 0.32      | 0.85   | 1924      | 5109  | -3186  | E  |           |        |        | p               |
| 81 | WA |      | 07A  | GN   | COHO  | 8947                         |           | 0.51      | 0.90   | 4563      | 8052  | -3489  | E  |           |        |        | q               |
| 81 | WA |      | 07A  | ON   | COHO  | 39                           |           | 0.51      | 0.90   | 20        | 35    | -15    | E  |           |        |        | q               |
| 81 | WA |      | 07A  | SE   | COHO  | 27618                        |           | 0.51      | 0.90   | 14085     | 24856 | -10771 | E  |           |        |        | q               |
| 81 | WA |      | 07A  | SN   | COHO  | 77                           |           | 0.51      | 0.90   | 39        | 69    | -30    | E  |           |        |        | q               |
| 81 | WA |      | 07B  | GN   | COHO  | 52650                        |           |           | 0.01   | 0         | 527   | -527   | E  |           |        |        | q               |
| 81 | WA |      | 07B  | ON   | COHO  | 0                            |           |           | 0.01   | 0         | 0     | 0      | E  |           |        |        | q               |
| 81 | WA |      | 07B  | SE   | COHO  | 3223                         |           |           | 0.01   | 0         | 32    | -32    | E  |           |        |        | q               |
| 81 | WA |      | 07B  | SN   | COHO  | 14498                        |           |           | 0.01   | 0         | 145   | -145   | E  |           |        |        | q               |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |                   | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |          |                   | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|--|-------------------|-------------------|--|----------|-------------------|------------|-------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i                                    | U.S.<br>Est.<br>k | Can.<br>Est.<br>l | Diff.<br>m   | CAT<br>o | U.S.<br>Est.<br>p |            |                         |
| 81      | WA      |           | 07C       | GN        | COHO       | 45                              |                   | 0.01   | 0                 | 0                 | -0   | E        |                   |            | q                       |
| 81      | WA      |           | 07C       | SE        | COHO       | 0                               |                   | 0.01   | 0                 | 0                 | 0  | E        |                   |            | q                       |
| 81      | WA      |           | 07C       | SN        | COHO       | 0                               |                   | 0.01   | 0                 | 0                 | 0  | E        |                   |            | q                       |
| 81      | WA      |           | 07D       | GN        | COHO       | 1004                            |                   | 0.01   | 0                 | 10                | -10  | E        |                   |            | q                       |
| 81      | WA      |           | 07D       | SN        | COHO       | 119                             |                   | 0.01   | 0                 | 1                 | -1   | E        |                   |            | q                       |
| 81      | WA      |           | 08        | GN        | COHO       | 66760                           |                   | 0.01   | 0                 | 668               | -668   | E        |                   |            | q/?                     |
| 81      | WA      |           | 08        | ON        | COHO       | 8649                            |                   | 0.01   | 0                 | 86                | -86  | E        |                   |            | q/?                     |
| 81      | WA      |           | 08        | SE        | COHO       | 7026                            |                   | 0.01   | 0                 | 70                | -70  | E        |                   |            | q/?                     |
| 81      | WA      |           | 08        | SN        | COHO       | 4364                            |                   | 0.01   | 0                 | 44                | -44  | E        |                   |            | q/?                     |
| 81      | WA      |           | 08        | SP        | COHO       | 6010                            |                   | 0.05   | 0                 | 301               | -301   | E        |                   |            | p                       |
| 81      | WA      |           | 09        | GN        | COHO       | 5969                            |                   | 0.09   | 537               | 60                | 478  | E        |                   |            | q                       |
| 81      | WA      |           | 09        | ON        | COHO       | 0                               |                   | 0.09   | 0                 | 0                 | 0  | E        |                   |            | q                       |
| 81      | WA      |           | 09        | SE        | COHO       | 12969                           |                   | 0.09   | 1167              | 130               | 1038   | E        |                   |            | q                       |
| 81      | WA      |           | 09        | SN        | COHO       | 25                              |                   | 0.09   | 2                 | 0                 | 2  | E        |                   |            | q                       |
| 81      | WA      |           | 09        | SP        | COHO       | 35912                           |                   | 0.09   | 3232              | 1796              | 1436   | E        |                   |            | p                       |
| 81      | WA      |           | 09A       | GN        | COHO       | 0                               |                   | 0.00   | 0                 | 0                 | 0  | E        |                   |            | q                       |
| 81      | WA      |           | 09A       | ON        | COHO       | 0                               |                   | 0.00   | 0                 | 0                 | 0  | E        |                   |            | q                       |
| 81      | WA      |           | 09A       | SN        | COHO       | 5                               |                   | 0.00   | 0                 | 0                 | -0   | E        |                   |            | q                       |
| 81      | WA      |           | 010       | GN        | COHO       | 68798                           |                   | 0.01   | 0                 | 688               | -688   | E        |                   |            | q/?                     |
| 81      | WA      |           | 010       | ON        | COHO       | 0                               |                   | 0.01   | 0                 | 0                 | 0  | E        |                   |            | q/?                     |
| 81      | WA      |           | 010       | SE        | COHO       | 55122                           |                   | 0.01   | 0                 | 551               | -551   | E        |                   |            | q/?                     |
| 81      | WA      |           | 010       | SN        | COHO       | 3025                            |                   | 0.01   | 0                 | 30                | -30  | E        |                   |            | q/?                     |
| 81      | WA      |           | 010       | SP        | COHO       | 24728                           |                   | 0.05   | 0                 | 1236              | -1236  | E        |                   |            | p                       |
| 81      | WA      |           | 011       | GN        | COHO       | 23604                           |                   | 0.01   | 0                 | 236               | -236   | E        |                   |            | q/?                     |
| 81      | WA      |           | 011       | ON        | COHO       | 0                               |                   | 0.01   | 0                 | 0                 | 0  | E        |                   |            | q/?                     |
| 81      | WA      |           | 011       | SE        | COHO       | 18689                           |                   | 0.01   | 0                 | 187               | -187   | E        |                   |            | q/?                     |
| 81      | WA      |           | 011       | SN        | COHO       | 103                             |                   | 0.01   | 0                 | 1                 | -1   | E        |                   |            | q/?                     |
| 81      | WA      |           | 011       | SP        | COHO       | 17979                           |                   | 0.05   | 0                 | 899               | -899   | E        |                   |            | p                       |
| 81      | WA      |           | 012       | GN        | COHO       | 17847                           |                   | 0.01   | 0                 | 178               | -178   | E        |                   |            | q/?                     |
| 81      | WA      |           | 012       | ON        | COHO       | 0                               |                   | 0.01   | 0                 | 0                 | 0  | E        |                   |            | q/?                     |
| 81      | WA      |           | 012       | SE        | COHO       | 882                             |                   | 0.01   | 0                 | 9                 | -9   | E        |                   |            | q/?                     |
| 81      | WA      |           | 012       | SN        | COHO       | 864                             |                   | 0.01   | 0                 | 9                 | -9   | E        |                   |            | q/?                     |
| 81      | WA      |           | 012       | SP        | COHO       | 5571                            |                   | 0.05   | 0                 | 279               | -279   | E        |                   |            | p                       |
| 81      | WA      |           | 013       | GN        | COHO       | 24360                           |                   | 0.01   | 0                 | 244               | -244   | E        |                   |            | q/?                     |
| 81      | WA      |           | 013       | ON        | COHO       | 20593                           |                   | 0.01   | 0                 | 206               | -206   | E        |                   |            | q/?                     |
| 81      | WA      |           | 013       | SE        | COHO       | 0                               |                   | 0.01   | 0                 | 0                 | 0  | E        |                   |            | q/?                     |
| 81      | WA      |           | 013       | SN        | COHO       | 18374                           |                   | 0.01   | 0                 | 184               | -184   | E        |                   |            | q/?                     |
| 81      | WA      |           | 013       | SP        | COHO       | 28696                           |                   | 0.05   | 0                 | 1435              | -1435  | E        |                   |            | p                       |
| 81      | WA      |           | 054       | TR        | COHO       | 0                               |                   |  | 0                 | 0                 | 0  | E        |                   |            |                         |
| 81      | WA      |           | 061       | TR        | COHO       | 19300                           |                   |  | 0                 | 0                 | 0  | E        |                   |            |                         |
| 81      | WA      |           | 062       | TR        | COHO       | 200                             |                   |  | 0                 | 0                 | 0  | E        |                   |            |                         |
| 81      | OR      |           | 01        | TR        | COHO       | 10400                           |                   | 0.01   | 0                 | 104               | -104   | E        |                   |            |                         |
| 81      | OR      |           | 02        | SP        | COHO       | 54300                           |                   | 0.01   | 0                 | 543               | -543   | E        |                   |            |                         |
| 81      | OR      |           | 02        | TR        | COHO       | 41900                           |                   | 0.01   | 0                 | 419               | -419   | E        |                   |            |                         |
| 81      | OR      |           | 03        | SP        | COHO       | 17800                           |                   | 0.01   | 0                 | 178               | -178   | E        |                   |            |                         |
| 81      | OR      |           | 03        | TR        | COHO       | 160400                          |                   | 0.01   | 0                 | 1604              | -1604  | E        |                   |            |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 81      | OR      |           | 04        | SP        | COHO       | 61900                  |                                 | 0.01              | 0   | 619               | -619       | E        |  |                   |            |            |                         |
| 81      | OR      |           | 04        | TR        | COHO       | 192400                 |                                 | 0.01              | 0   | 1924              | -1924      | E        |  |                   |            |            |                         |
| 81      | OR      |           | 05        | SP        | COHO       | 57600                  |                                 | 0.01              | 0   | 576               | -576       | E        |  |                   |            |            |                         |
| 81      | OR      |           | 05        | TR        | COHO       | 161400                 |                                 | 0.01              | 0   | 1614              | -1614      | E        |  |                   |            |            |                         |
| 81      | OR      |           | 06        | SP        | COHO       | 8300                   |                                 | 0.01              | 0   | 83                | -83        | E        |  |                   |            |            |                         |
| 81      | OR      |           | 06        | TR        | COHO       | 53500                  |                                 | 0.01              | 0   | 535               | -535       | E        |  |                   |            |            |                         |
| 81      | OR      |           | 07        | TR        | COHO       | 300                    |                                 | 0.01              | 0   | 3                 | -3         | E        | 85843  | 282554            | -196711    |            |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area     | Gear | Spec | Catch  | Adjusted |       | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND -- |           |       | CAT    | ---- INTERCEPTION ---- |           |       | Notes | Alaska Hatchery |
|----|----|----------|------|------|--------|----------|-------|------------------------------|-----------|---------------------------|-----------|-------|--------|------------------------|-----------|-------|-------|-----------------|
|    |    |          |      |      |        | Catch    | Catch | U.S. Est.                    | Can. Est. | U.S. Est.                 | Can. Est. | Diff. |        | U.S. Est.              | Can. Est. | Diff. |       |                 |
| a  | b  | c        | d    | e    | f      | g        | h     | i                            | k         | l                         | m         | o     | p      | q                      | r         | t     | u     |                 |
| 82 | AK |          | ALL  | SP   | COHO   |          | 0     |                              |           | 0                         | 0         | 0     | A      |                        |           |       | a     |                 |
| 82 | AK | 101      | ANN  | GN   | COHO   | 6660     | 6660  | 0.44                         | 0.55      | 2930                      | 3663      | -733  | A      |                        |           |       | b,c,d |                 |
| 82 | AK | 101      | ANN  | OG   | COHO   | 4576     | 4576  | 0.13                         | 0.25      | 595                       | 1144      | -549  | A      |                        |           |       | b,c,d |                 |
| 82 | AK | 101      | ANN  | SE   | COHO   | 3079     | 3079  | 0.13                         | 0.25      | 400                       | 770       | -369  | A      |                        |           |       | b,c,d |                 |
| 82 | AK | 101      | GN   | COHO | 34927  | 34098    | 0.44  | 0.55                         | 15003     | 19210                     | -4207     | A     |        |                        |           | b,c   | 829   |                 |
| 82 | AK | 101      | SE   | COHO | 84091  | 79149    | 0.13  | 0.25                         | 10289     | 21023                     | -10733    | A     |        |                        |           | b,c   | 4942  |                 |
| 82 | AK | 101      | TR   | COHO | 88134  | 86116    | 0.13  | 0.25                         | 11195     | 22034                     | -10838    | A     |        |                        |           | b,c   | 2018  |                 |
| 82 | AK | 102      | SE   | COHO | 55438  | 54172    | 0.18  | 0.35                         | 9751      | 19403                     | -9652     | A     |        |                        |           | b,c   | 1266  |                 |
| 82 | AK | 102      | TR   | COHO | 68333  | 67423    | 0.18  | 0.35                         | 12136     | 23917                     | -11780    | A     |        |                        |           | b,c   | 910   |                 |
| 82 | AK | 103      | SE   | COHO | 18621  | 18604    | 0.03  | 0.10                         | 558       | 1862                      | -1304     | A     |        |                        |           | b,c   | 17    |                 |
| 82 | AK | 103      | TR   | COHO | 47522  | 47106    | 0.03  | 0.10                         | 1413      | 4752                      | -3339     | A     |        |                        |           | b,c   | 416   |                 |
| 82 | AK | 104      | SE   | COHO | 153743 | 151821   | 0.17  | 0.35                         | 25810     | 53810                     | -28000    | A     |        |                        |           | b,c   | 1922  |                 |
| 82 | AK | 104      | TR   | COHO | 91382  | 88636    | 0.17  | 0.35                         | 15068     | 31984                     | -16916    | A     |        |                        |           | b,c   | 2746  |                 |
| 82 | AK | 105      | SE   | COHO | 805    | 805      | 0.04  | 0.08                         | 32        | 64                        | -32       | A     |        |                        |           | b,c   |       |                 |
| 82 | AK | 105      | TR   | COHO | 29903  | 29903    | 0.04  | 0.08                         | 1196      | 2392                      | -1196     | A     |        |                        |           | b,c   |       |                 |
| 82 | AK | 106      | GN   | COHO | 45251  | 34347    | 0.04  | 0.08                         | 1374      | 3620                      | -2246     | A     |        |                        |           | b,c,e | 10904 |                 |
| 82 | AK | 109      | SE   | COHO | 26225  | 25146    | 0.09  | 0.10                         | 2263      | 2623                      | -359      | A     |        |                        |           | b,c   | 1079  |                 |
| 82 | AK | 109      | TR   | COHO | 91921  | 88047    | 0.09  | 0.10                         | 7924      | 9192                      | -1268     | A     |        |                        |           | b,c   | 3874  |                 |
| 82 | AK | 113      | SE   | COHO | 4433   | 4433     | 0.09  | 0.09                         | 399       | 399                       | -0        | A     |        |                        |           | b,c   |       |                 |
| 82 | AK | 113      | TR   | COHO | 457783 | 441562   | 0.09  | 0.45                         | 39741     | 206002                    | -166262   | A     |        |                        |           | b,c   | 16221 |                 |
| 82 | AK | 116      | TR   | COHO | 92549  | 91369    | 0.07  | 0.09                         | 6396      | 8329                      | -1934     | A     |        |                        |           | b,c   | 1180  |                 |
| 82 | AK | 152      | TR   | COHO | 37859  | 37777    | 0.17  | 0.35                         | 6422      | 13251                     | -6829     | A     |        |                        |           | b,c   | 82    |                 |
| 82 | AK | 154      | TR   | COHO | 18422  | 17775    | 0.09  | 0.45                         | 1600      | 8290                      | -6690     | A     |        |                        |           | b,c   | 647   |                 |
| 82 | AK | 156      | TR   | COHO | 5488   | 5488     | 0.07  | 0.09                         | 384       | 494                       | -110      | A     |        |                        |           | b,c   |       |                 |
| 82 | AK | 157      | TR   | COHO | 11497  | 11436    | 0.07  | 0.09                         | 801       | 1035                      | -234      | A     |        |                        |           | b,c   | 61    |                 |
| 82 | AK | 181      | TR   | COHO | 43869  | 43506    | 0.03  | 0.09                         | 1305      | 3948                      | -2643     | A     |        |                        |           | b,c   | 363   |                 |
| 82 | AK | 189      | TR   | COHO | 6168   | 6168     | 0.03  | 0.09                         | 185       | 555                       | -370      | A     | 175171 | 463765                 | -288594   | b,c,f |       |                 |
| 82 | BC | 1        | GN   | COHO | 90     |          | 0.07  | 0.07                         | 6         | 6                         | 0         | C     |        |                        |           | g     |       |                 |
| 82 | BC | 1        | SE   | COHO | 9870   |          | 0.07  | 0.07                         | 691       | 691                       | 0         | C     |        |                        |           | g     |       |                 |
| 82 | BC | 1        | TR   | COHO | 146075 |          | 0.16  | 0.15                         | 23372     | 21911                     | 1461      | C     |        |                        |           |       |       |                 |
| 82 | BC | 2E       | GN   | COHO | 676    |          | 0.08  |                              | 54        | 0                         | 54        | C     |        |                        |           |       |       |                 |
| 82 | BC | 2E       | SE   | COHO | 97     |          | 0.08  |                              | 8         | 0                         | 8         | C     |        |                        |           |       |       |                 |
| 82 | BC | 2E       | TR   | COHO | 100638 |          | 0.17  | 0.17                         | 17108     | 17108                     | 0         | C     |        |                        |           |       |       |                 |
| 82 | BC | 2W       | GN   | COHO | 186    |          |       |                              | 0         | 0                         | 0         | C     |        |                        |           | h     |       |                 |
| 82 | BC | 2W       | SE   | COHO | 3856   |          |       |                              | 0         | 0                         | 0         | C     |        |                        |           | h     |       |                 |
| 82 | BC | 2W       | TR   | COHO | 36645  |          | 0.16  | 0.15                         | 5863      | 5497                      | 366       | C     |        |                        |           |       |       |                 |
| 82 | BC | 3        | TR   | COHO | 51364  |          | 0.16  | 0.08                         | 8218      | 4109                      | 4109      | C     |        |                        |           | i     |       |                 |
| 82 | BC | 3-1      | GN   | COHO | 5936   |          | 0.20  | 0.16                         | 1187      | 950                       | 237       | C     |        |                        |           | j     |       |                 |
| 82 | BC | 3-1      | SE   | COHO | 47697  |          | 0.20  | 0.16                         | 9539      | 7632                      | 1908      | C     |        |                        |           | j     |       |                 |
| 82 | BC | 3-(2-4)  | GN   | COHO | 8477   |          | 0.09  | 0.08                         | 763       | 678                       | 85        | C     |        |                        |           | j     |       |                 |
| 82 | BC | 3-(2-4)  | SE   | COHO | 18374  |          | 0.09  | 0.08                         | 1654      | 1470                      | 184       | C     |        |                        |           | j     |       |                 |
| 82 | BC | 3-(7-17) | GN   | COHO | 5790   |          | 0.04  |                              | 232       | 0                         | 232       | C     |        |                        |           | j     |       |                 |
| 82 | BC | 3-(7-17) | SE   | COHO | 5379   |          | 0.04  |                              | 215       | 0                         | 215       | C     |        |                        |           | j     |       |                 |
| 82 | BC | 4        | GN   | COHO | 43577  |          | 0.01  |                              | 436       | 0                         | 436       | C     |        |                        |           |       |       |                 |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area  | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |           | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |           | Alaska<br>Notes Hatchery |       |       |   |
|----|----|-------|------|------|--------|------------------------------|-----------|--|-----------|-----------|--|-----------|-----------|--------------------------|-------|-------|---|
|    |    |       |      |      |        | Adjusted Catch               | U.S. Est. | Can. Est.  | U.S. Est. | Can. Est. | Diff.  | U.S. Est. | Can. Est. |                          | Diff. |       |   |
| a  | b  | c     | d    | e    | f      | g                            | h         | i  | k         | l         | m  | o         | p         | q                        | r     | t     | u |
| 82 | BC |       | 4    | SE   | COHO   | 21602                        |           | 0.01   |           | 216       | 0  | 216       | C         |                          |       |       |   |
| 82 | BC |       | 4    | TR   | COHO   | 35018                        |           | 0.12   | 0.06      | 4202      | 2101   | 2101      | C         |                          |       |       |   |
| 82 | BC |       | 5    | TR   | COHO   | 23828                        |           | 0.07   | 0.06      | 1668      | 1430   | 238       | C         |                          |       |       |   |
| 82 | BC | 5 oth | GN   | COHO | 7771   |                              |           | 0.03   |           | 233       | 0  | 233       | C         |                          |       |       | k |
| 82 | BC | 5 oth | SE   | COHO | 5260   |                              |           | 0.03   |           | 158       | 0  | 158       | C         |                          |       |       | k |
| 82 | BC | 5-11  | GN   | COHO | 2477   |                              |           | 0.03   | 0.07      | 74        | 173  | -99       | C         |                          |       |       | k |
| 82 | BC | 5-11  | SE   | COHO | 124    |                              |           | 0.03   | 0.07      | 4         | 9  | -5        | C         |                          |       |       | k |
| 82 | BC |       | 6    | TR   | COHO   | 17191                        |           | 0.07   | 0.06      | 1203      | 1031   | 172       | C         | 77105                    | 64796 | 12309 |   |
| 82 | BC |       | 1    | TR   | COHO   | 146075                       |           | 0.02   |           | 2922      | 0  | 2922      | D         |                          |       |       |   |
| 82 | BC | 2E    | TR   | COHO | 100638 |                              |           | 0.02   |           | 2013      | 0  | 2013      | D         |                          |       |       |   |
| 82 | BC | 2W    | TR   | COHO | 36645  |                              |           | 0.02   |           | 733       | 0  | 733       | D         |                          |       |       |   |
| 82 | BC |       | 3    | TR   | COHO   | 51364                        |           | 0.02   |           | 1027      | 0  | 1027      | D         |                          |       |       | l |
| 82 | BC |       | 4    | TR   | COHO   | 35018                        |           | 0.02   |           | 700       | 0  | 700       | D         |                          |       |       |   |
| 82 | BC |       | 5    | TR   | COHO   | 23828                        |           | 0.02   |           | 477       | 0  | 477       | D         |                          |       |       |   |
| 82 | BC |       | 6    | GN   | COHO   | 14045                        |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 6    | SE   | COHO   | 36673                        |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 6    | TR   | COHO   | 17191                        |           | 0.13   |           | 2235      | 0  | 2235      | D         |                          |       |       |   |
| 82 | BC |       | 7    | GN   | COHO   | 12861                        |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 7    | SE   | COHO   | 27516                        |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 7    | TR   | COHO   | 22440                        |           | 0.13   | 0.10      | 2917      | 2244   | 673       | D         |                          |       |       | m |
| 82 | BC |       | 8    | GN   | COHO   | 7942                         |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 8    | SE   | COHO   | 3801                         |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 8    | TR   | COHO   | 10415                        |           | 0.13   | 0.10      | 1354      | 1042   | 312       | D         |                          |       |       | m |
| 82 | BC |       | 9    | GN   | COHO   | 1301                         |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 9    | SE   | COHO   | 0                            |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 9    | TR   | COHO   | 7974                         |           | 0.13   | 0.10      | 1037      | 797  | 239       | D         |                          |       |       | m |
| 82 | BC |       | 10   | GN   | COHO   | 6612                         |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 10   | TR   | COHO   | 13949                        |           | 0.13   | 0.10      | 1813      | 1395   | 418       | D         |                          |       |       | m |
| 82 | BC |       | 11   | GN   | COHO   | 4867                         |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 11   | SE   | COHO   | 0                            |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 11   | TR   | COHO   | 100282                       |           | 0.13   | 0.10      | 13037     | 10028  | 3008      | D         |                          |       |       |   |
| 82 | BC |       | 12   | GN   | COHO   | 37130                        |           | 0.05   |           | 1857      | 0  | 1857      | D         |                          |       |       |   |
| 82 | BC |       | 12   | SE   | COHO   | 85244                        |           | 0.05   |           | 4262      | 0  | 4262      | D         |                          |       |       |   |
| 82 | BC |       | 12   | TR   | COHO   | 31390                        |           | 0.19   | 0.15      | 5964      | 4709   | 1256      | D         |                          |       |       |   |
| 82 | BC |       | 13   | GN   | COHO   | 8919                         |           | 0.07   |           | 624       | 0  | 624       | D         |                          |       |       |   |
| 82 | BC |       | 13   | SE   | COHO   | 58157                        |           | 0.07   |           | 4071      | 0  | 4071      | D         |                          |       |       |   |
| 82 | BC |       | 13   | TR   | COHO   | 34098                        |           | 0.19   | 0.08      | 6479      | 2728   | 3751      | D         |                          |       |       |   |
| 82 | BC |       | 14   | GN   | COHO   | 3386                         |           | 0.10   |           | 339       | 0  | 339       | D         |                          |       |       |   |
| 82 | BC |       | 14   | SE   | COHO   | 765                          |           | 0.10   |           | 77        | 0  | 77        | D         |                          |       |       |   |
| 82 | BC |       | 14   | TR   | COHO   | 51192                        |           | 0.19   | 0.08      | 9726      | 4095   | 5631      | D         |                          |       |       |   |
| 82 | BC |       | 15   | GN   | COHO   | 0                            |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 15   | SE   | COHO   | 0                            |           |  |           | 0         | 0  | 0         | D         |                          |       |       |   |
| 82 | BC |       | 15   | TR   | COHO   | 9150                         |           | 0.19   | 0.08      | 1739      | 732  | 1007      | D         |                          |       |       |   |
| 82 | BC |       | 16   | GN   | COHO   | 175                          |           | 0.10   |           | 18        | 0  | 18        | D         |                          |       |       |   |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |                   | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |                   | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|---|-------------------|-------------------|----------|--|-------------------|-------------------|------------|-------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i                                 | U.S.<br>Est.<br>k | Can.<br>Est.<br>l |          | Diff.<br>m   | U.S.<br>Est.<br>p | Can.<br>Est.<br>q |            |                         |
| 82      | BC      |           | 16        | SE        | COHO       | 3667                            |                   | 0.10  |                   |                   | 367      | 0  | 367               | D                 |            |                         |
| 82      | BC      |           | 16        | TR        | COHO       | 2385                            |                   | 0.19  | 0.08              |                   | 453      | 191  | 262               | D                 |            |                         |
| 82      | BC      |           | 17        | GN        | COHO       | 881                             |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 17        | SE        | COHO       | 3                               |                   | 0.10  |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 17        | TR        | COHO       | 14669                           |                   | 0.19  | 0.08              |                   | 2787     | 1174   | 1614              | D                 |            |                         |
| 82      | BC      |           | 18        | GN        | COHO       | 151                             |                   | 0.10  |                   |                   | 15       | 0  | 15                | D                 |            |                         |
| 82      | BC      |           | 18        | SE        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 18        | TR        | COHO       | 2122                            |                   | 0.19  | 0.08              |                   | 403      | 170  | 233               | D                 |            |                         |
| 82      | BC      |           | 19        | GN        | COHO       | 30                              |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 19        | SE        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 19        | TR        | COHO       | 0                               |                   |   | 0.08              |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 20        | GN        | COHO       | 37689                           |                   | 0.89  | 0.45              |                   | 33543    | 16960  | 16583             | D                 |            |                         |
| 82      | BC      |           | 20        | SE        | COHO       | 89912                           |                   | 0.89  | 0.45              |                   | 80022    | 40460  | 39561             | D                 |            |                         |
| 82      | BC      |           | 20        | TR        | COHO       | 1624                            |                   | 0.89  | 0.50              |                   | 1445     | 812  | 633               | D                 |            |                         |
| 82      | BC      |           | 21        | GN        | COHO       | 346                             |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 21        | SE        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 21        | TR        | COHO       | 103260                          |                   | 0.64  | 0.43              |                   | 66086    | 44402  | 21685             | D                 |            |                         |
| 82      | BC      |           | 22        | GN        | COHO       | 0                               |                   | 0.25  |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 22        | SE        | COHO       | 0                               |                   | 0.25  |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 22        | TR        | COHO       | 0                               |                   | 0.64  | 0.43              |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 23        | GN        | COHO       | 2422                            |                   | 0.25  |                   |                   | 606      | 0  | 606               | D                 |            |                         |
| 82      | BC      |           | 23        | SE        | COHO       | 668                             |                   | 0.25  |                   |                   | 167      | 0  | 167               | D                 |            |                         |
| 82      | BC      |           | 23        | TR        | COHO       | 781499                          |                   | 0.64  | 0.43              |                   | 500159   | 336045   | 164115            | D                 |            |                         |
| 82      | BC      |           | 24        | GN        | COHO       | 70                              |                   | 0.25  |                   |                   | 18       | 0  | 18                | D                 |            |                         |
| 82      | BC      |           | 24        | SE        | COHO       | 336                             |                   | 0.25  |                   |                   | 84       | 0  | 84                | D                 |            |                         |
| 82      | BC      |           | 24        | TR        | COHO       | 439661                          |                   | 0.64  | 0.43              |                   | 281383   | 189054   | 92329             | D                 |            |                         |
| 82      | BC      |           | 25        | GN        | COHO       | 2147                            |                   | 0.47  |                   |                   | 1009     | 0  | 1009              | D                 |            |                         |
| 82      | BC      |           | 25        | SE        | COHO       | 2918                            |                   | 0.47  |                   |                   | 1371     | 0  | 1371              | D                 |            |                         |
| 82      | BC      |           | 25        | TR        | COHO       | 167626                          |                   | 0.26  | 0.25              |                   | 43583    | 41907  | 1676              | D                 |            |                         |
| 82      | BC      |           | 26        | GN        | COHO       | 376                             |                   | 0.47  |                   |                   | 177      | 0  | 177               | D                 |            |                         |
| 82      | BC      |           | 26        | SE        | COHO       | 4063                            |                   | 0.47  |                   |                   | 1910     | 0  | 1910              | D                 |            |                         |
| 82      | BC      |           | 26        | TR        | COHO       | 76507                           |                   | 0.26  | 0.25              |                   | 19892    | 19127  | 765               | D                 |            |                         |
| 82      | BC      |           | 27        | GN        | COHO       | 0                               |                   | 0.47  |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 27        | SE        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 27        | TR        | COHO       | 219963                          |                   | 0.26  | 0.25              |                   | 57190    | 54991  | 2200              | D                 |            |                         |
| 82      | BC      |           | 28        | GN        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 28        | SE        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 28        | TR        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 29AB      | GN        | COHO       | 14926                           |                   | 0.10  |                   |                   | 1493     | 0  | 1493              | D                 |            |                         |
| 82      | BC      |           | 29AB      | SE        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 29AB      | TR        | COHO       | 2172                            |                   | 0.19  | 0.08              |                   | 413      | 174  | 239               | D                 |            |                         |
| 82      | BC      |           | 29C       | GN        | COHO       | 358                             |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 29C       | SE        | COHO       | 0                               |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |
| 82      | BC      |           | 29C       | TR        | COHO       | 32                              |                   |   |                   |                   | 0        | 0  | 0                 | D                 |            |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |           | CAT    | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |           | Notes  | Alaska Hatchery |       |
|----|----|------|------|------|-------|------------------------------|-----------|--|-----------|-----------|--------|--|-----------|-----------|--------|-----------------|-------|
|    |    |      |      |      |       | Adjusted Catch               | U.S. Est. | Can. Est.  | U.S. Est. | Can. Est. |        | Diff.  | U.S. Est. | Can. Est. |        |                 | Diff. |
| a  | b  | c    | d    | e    | f     | g                            | h         | i  | k         | l         | m      | o  | p         | q         | r      | t               | u     |
| 82 | BC |      | 29D  | GN   | COHO  | 4028                         |           |  | 0         | 0         | 0      | D  |           |           |        |                 |       |
| 82 | BC |      | 29D  | SE   | COHO  | 0                            |           |  | 0         | 0         | 0      | D  |           |           |        |                 |       |
| 82 | BC |      | 29D  | TR   | COHO  | 0                            |           |  | 0         | 0         | 0      | D  |           |           |        |                 |       |
| 82 | BC |      | 29E  | GN   | COHO  | 0                            |           |  | 0         | 0         | 0      | D  |           |           |        |                 |       |
| 82 | BC |      | 29E  | SE   | COHO  | 0                            |           |  | 0         | 0         | 0      | D  |           |           |        |                 |       |
| 82 | BC |      | 29E  | TR   | COHO  | 0                            |           |  | 0         | 0         | 0      | D  |           |           |        |                 |       |
| 82 | BC |      | 30   | TR   | COHO  | 6040                         | 0.13      | 0.10   | 785       | 604       | 181    | D  |           |           |        |                 | n     |
| 82 | BC |      | GS   | SP   | COHO  | 436000                       | 0.19      | 0.07   | 82840     | 30520     | 52320  | D  | 1243619   | 804359    | 439261 |                 | o     |
| 82 | WA |      | 01   | SP   | COHO  | 83266                        | 0.00      | 0.07   | 0         | 5829      | -5829  | E  |           |           |        |                 | p     |
| 82 | WA |      | 01   | TR   | COHO  | 44265                        | 0.00      | 0.07   | 0         | 3099      | -3099  | E  |           |           |        |                 | q     |
| 82 | WA |      | 02   | SP   | COHO  | 74897                        | 0.02      | 0.07   | 1498      | 5243      | -3745  | E  |           |           |        |                 | p     |
| 82 | WA |      | 02   | TR   | COHO  | 52104                        | 0.02      | 0.10   | 1042      | 5210      | -4168  | E  |           |           |        |                 | q     |
| 82 | WA |      | 03   | SP   | COHO  | 8837                         | 0.04      | 0.25   | 353       | 2209      | -1856  | E  |           |           |        |                 | p     |
| 82 | WA |      | 03   | TR   | COHO  | 71293                        | 0.04      | 0.30   | 2852      | 21388     | -18536 | E  |           |           |        |                 | q     |
| 82 | WA |      | 04   | GN   | COHO  | 71                           | 0.00      | 0.35   | 0         | 25        | -25    | E  |           |           |        |                 | q     |
| 82 | WA |      | 04   | SN   | COHO  | 6                            | 0.00      | 0.35   | 0         | 2         | -2     | E  |           |           |        |                 | q     |
| 82 | WA |      | 04   | SP   | COHO  | 39521                        | 0.06      | 0.30   | 2371      | 11856     | -9485  | E  |           |           |        |                 | p     |
| 82 | WA |      | 04   | TR   | COHO  | 176272                       | 0.06      | 0.35   | 10576     | 61695     | -51119 | E  |           |           |        |                 | q     |
| 82 | WA |      | 04B  | GN   | COHO  | 28859                        | 0.09      | 0.35   | 2597      | 10101     | -7503  | E  |           |           |        |                 | q     |
| 82 | WA |      | 04B  | SN   | COHO  | 166                          | 0.09      | 0.35   | 15        | 58        | -43    | E  |           |           |        |                 | q     |
| 82 | WA |      | 04B  | TR   | COHO  | 17963                        | 0.09      | 0.35   | 1617      | 6287      | -4670  | E  |           |           |        |                 | q     |
| 82 | WA |      | 05   | GN   | COHO  | 81143                        | 0.09      | 0.35   | 7303      | 28400     | -21097 | E  |           |           |        |                 | q     |
| 82 | WA |      | 05   | ON   | COHO  | 4                            | 0.09      | 0.35   | 0         | 1         | -1     | E  |           |           |        |                 | q     |
| 82 | WA |      | 05   | SE   | COHO  | 0                            | 0.09      | 0.35   | 0         | 0         | 0      | E  |           |           |        |                 | q     |
| 82 | WA |      | 05   | SN   | COHO  | 766                          | 0.09      | 0.35   | 69        | 268       | -199   | E  |           |           |        |                 | q     |
| 82 | WA |      | 05   | SP   | COHO  | 54728                        | 0.09      | 0.30   | 4926      | 16418     | -11493 | E  |           |           |        |                 | p     |
| 82 | WA |      | 05   | TR   | COHO  | 110                          | 0.09      | 0.35   | 10        | 39        | -29    | E  |           |           |        |                 | q     |
| 82 | WA |      | 06   | GN   | COHO  | 18788                        | 0.09      | 0.35   | 1691      | 6576      | -4885  | E  |           |           |        |                 | q     |
| 82 | WA |      | 06   | ON   | COHO  | 0                            | 0.09      | 0.35   | 0         | 0         | 0      | E  |           |           |        |                 | q     |
| 82 | WA |      | 06   | SE   | COHO  | 33                           | 0.09      | 0.35   | 3         | 12        | -9     | E  |           |           |        |                 | q     |
| 82 | WA |      | 06   | SN   | COHO  | 0                            | 0.09      | 0.35   | 0         | 0         | 0      | E  |           |           |        |                 | q     |
| 82 | WA |      | 06   | SP   | COHO  | 16467                        | 0.09      | 0.30   | 1482      | 4940      | -3458  | E  |           |           |        |                 | p     |
| 82 | WA |      | 06C  | GN   | COHO  | 1467                         | 0.09      | 0.35   | 132       | 513       | -381   | E  |           |           |        |                 | q     |
| 82 | WA |      | 06C  | ON   | COHO  | 1                            | 0.09      | 0.35   | 0         | 0         | -0     | E  |           |           |        |                 | q     |
| 82 | WA |      | 06C  | SN   | COHO  | 89                           | 0.09      | 0.35   | 8         | 31        | -23    | E  |           |           |        |                 | q     |
| 82 | WA |      | 06C  | TR   | COHO  | 679                          | 0.09      | 0.35   | 61        | 238       | -177   | E  |           |           |        |                 | q     |
| 82 | WA |      | 06D  | GN   | COHO  | 2677                         |           | 0.01   | 0         | 27        | -27    | E  |           |           |        |                 | q     |
| 82 | WA |      | 06D  | ON   | COHO  | 123                          |           | 0.01   | 0         | 1         | -1     | E  |           |           |        |                 | q     |
| 82 | WA |      | 06D  | SN   | COHO  | 18010                        |           | 0.01   | 0         | 180       | -180   | E  |           |           |        |                 | q     |
| 82 | WA |      | 07   | GN   | COHO  | 44973                        | 0.32      | 0.80   | 14391     | 35978     | -21587 | E  |           |           |        |                 | q     |
| 82 | WA |      | 07   | ON   | COHO  | 9430                         | 0.32      | 0.80   | 3018      | 7544      | -4526  | E  |           |           |        |                 | q     |
| 82 | WA |      | 07   | SE   | COHO  | 42138                        | 0.32      | 0.80   | 13484     | 33710     | -20226 | E  |           |           |        |                 | q     |
| 82 | WA |      | 07   | SN   | COHO  | 60                           | 0.32      | 0.80   | 19        | 48        | -29    | E  |           |           |        |                 | q     |
| 82 | WA |      | 07   | SP   | COHO  | 5809                         | 0.32      | 0.85   | 1859      | 4938      | -3079  | E  |           |           |        |                 | p     |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|-------------------|---|-------------------|------------|--|-------------------|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 82      | WA      | 07A       | GN        | COHO      | 7754       |                                 | 0.51              | 0.90              | 3955  | 6979              | -3024      | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07A       | ON        | COHO      | 305        |                                 | 0.51              | 0.90              | 156   | 275               | -119       | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07A       | SE        | COHO      | 7965       |                                 | 0.51              | 0.90              | 4062  | 7169              | -3106      | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07A       | SN        | COHO      | 52         |                                 | 0.51              | 0.90              | 27  | 47                | -20        | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07B       | GN        | COHO      | 65445      |                                 |                   | 0.01              | 0   | 654               | -654       | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07B       | ON        | COHO      | 0          |                                 |                   | 0.01              | 0   | 0                 | 0          | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07B       | SE        | COHO      | 23847      |                                 |                   | 0.01              | 0   | 238               | -238       | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07B       | SN        | COHO      | 33666      |                                 |                   | 0.01              | 0   | 337               | -337       | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07C       | GN        | COHO      | 63         |                                 |                   | 0.01              | 0   | 1                 | -1         | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07C       | SE        | COHO      | 0          |                                 |                   | 0.01              | 0   | 0                 | 0          | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07C       | SN        | COHO      | 0          |                                 |                   | 0.01              | 0   | 0                 | 0          | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07D       | GN        | COHO      | 2395       |                                 |                   | 0.01              | 0   | 24                | -24        | E  |                   |                   |            | q          |                         |
| 82      | WA      | 07D       | SN        | COHO      | 1197       |                                 |                   | 0.01              | 0   | 12                | -12        | E  |                   |                   |            | q          |                         |
| 82      | WA      | 08        | GN        | COHO      | 34378      |                                 |                   | 0.01              | 0   | 344               | -344       | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 08        | ON        | COHO      | 6558       |                                 |                   | 0.01              | 0   | 66                | -66        | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 08        | SE        | COHO      | 13139      |                                 |                   | 0.01              | 0   | 131               | -131       | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 08        | SN        | COHO      | 5683       |                                 |                   | 0.01              | 0   | 57                | -57        | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 08        | SP        | COHO      | 3889       |                                 |                   | 0.05              | 0   | 194               | -194       | E  |                   |                   |            | p          |                         |
| 82      | WA      | 09        | GN        | COHO      | 2055       |                                 | 0.09              | 0.01              | 185   | 21                | 164        | E  |                   |                   |            | q          |                         |
| 82      | WA      | 09        | ON        | COHO      | 0          |                                 | 0.09              | 0.01              | 0   | 0                 | 0          | E  |                   |                   |            | q          |                         |
| 82      | WA      | 09        | SE        | COHO      | 5597       |                                 | 0.09              | 0.01              | 504   | 56                | 448        | E  |                   |                   |            | q          |                         |
| 82      | WA      | 09        | SN        | COHO      | 444        |                                 | 0.09              | 0.01              | 40  | 4                 | 36         | E  |                   |                   |            | q          |                         |
| 82      | WA      | 09        | SP        | COHO      | 27081      |                                 | 0.09              | 0.05              | 2437  | 1354              | 1083       | E  |                   |                   |            | p          |                         |
| 82      | WA      | 09A       | GN        | COHO      | 94         |                                 | 0.00              | 0.01              | 0   | 1                 | -1         | E  |                   |                   |            | q          |                         |
| 82      | WA      | 09A       | ON        | COHO      | 833        |                                 | 0.00              | 0.01              | 0   | 8                 | -8         | E  |                   |                   |            | q          |                         |
| 82      | WA      | 09A       | SN        | COHO      | 16765      |                                 | 0.00              | 0.01              | 0   | 168               | -168       | E  |                   |                   |            | q          |                         |
| 82      | WA      | 010       | GN        | COHO      | 120401     |                                 |                   | 0.01              | 0   | 1204              | -1204      | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 010       | ON        | COHO      | 0          |                                 |                   | 0.01              | 0   | 0                 | 0          | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 010       | SE        | COHO      | 104024     |                                 |                   | 0.01              | 0   | 1040              | -1040      | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 010       | SN        | COHO      | 2108       |                                 |                   | 0.01              | 0   | 21                | -21        | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 010       | SP        | COHO      | 33023      |                                 |                   | 0.05              | 0   | 1651              | -1651      | E  |                   |                   |            | p          |                         |
| 82      | WA      | 011       | GN        | COHO      | 32028      |                                 |                   | 0.01              | 0   | 320               | -320       | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 011       | ON        | COHO      | 0          |                                 |                   | 0.01              | 0   | 0                 | 0          | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 011       | SE        | COHO      | 34788      |                                 |                   | 0.01              | 0   | 348               | -348       | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 011       | SN        | COHO      | 1062       |                                 |                   | 0.01              | 0   | 11                | -11        | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 011       | SP        | COHO      | 29515      |                                 |                   | 0.05              | 0   | 1476              | -1476      | E  |                   |                   |            | p          |                         |
| 82      | WA      | 012       | GN        | COHO      | 32665      |                                 |                   | 0.01              | 0   | 327               | -327       | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 012       | ON        | COHO      | 1401       |                                 |                   | 0.01              | 0   | 14                | -14        | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 012       | SE        | COHO      | 19828      |                                 |                   | 0.01              | 0   | 198               | -198       | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 012       | SN        | COHO      | 5126       |                                 |                   | 0.01              | 0   | 51                | -51        | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 012       | SP        | COHO      | 4208       |                                 |                   | 0.05              | 0   | 210               | -210       | E  |                   |                   |            | p          |                         |
| 82      | WA      | 013       | GN        | COHO      | 49422      |                                 |                   | 0.01              | 0   | 494               | -494       | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 013       | ON        | COHO      | 44926      |                                 |                   | 0.01              | 0   | 449               | -449       | E  |                   |                   |            | q/?        |                         |
| 82      | WA      | 013       | SE        | COHO      | 0          |                                 |                   | 0.01              | 0   | 0                 | 0          | E  |                   |                   |            | q/?        |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|--|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 82      | WA      |           | 013       | SN        | COHO       | 31207                  |                                 | 0.01              | 0  | 312               | -312       | E        |  |                   |            |            | q/?                     |
| 82      | WA      |           | 013       | SP        | COHO       | 34971                  |                                 | 0.05              | 0  | 1749              | -1749      | E        |  |                   |            |            | p                       |
| 82      | WA      |           | 054       | TR        | COHO       | 1100                   |                                 |                   | 0  | 0                 | 0          | E        |  |                   |            |            | r                       |
| 82      | WA      |           | 061       | TR        | COHO       | 18300                  |                                 |                   | 0  | 0                 | 0          | E        |  |                   |            |            | r                       |
| 82      | WA      |           | 062       | TR        | COHO       | 0                      |                                 |                   | 0  | 0                 | 0          | E        |  |                   |            |            | r                       |
| 82      | OR      |           | 01        | TR        | COHO       | 14100                  |                                 | 0.01              | 0  | 141               | -141       | E        |  |                   |            |            | s                       |
| 82      | OR      |           | 02        | SP        | COHO       | 35500                  |                                 | 0.01              | 0  | 355               | -355       | E        |  |                   |            |            | r                       |
| 82      | OR      |           | 02        | TR        | COHO       | 24100                  |                                 | 0.01              | 0  | 241               | -241       | E        |  |                   |            |            | s                       |
| 82      | OR      |           | 03        | SP        | COHO       | 23100                  |                                 | 0.01              | 0  | 231               | -231       | E        |  |                   |            |            | r                       |
| 82      | OR      |           | 03        | TR        | COHO       | 114700                 |                                 | 0.01              | 0  | 1147              | -1147      | E        |  |                   |            |            | s                       |
| 82      | OR      |           | 04        | SP        | COHO       | 44000                  |                                 | 0.01              | 0  | 440               | -440       | E        |  |                   |            |            | r                       |
| 82      | OR      |           | 04        | TR        | COHO       | 117800                 |                                 | 0.01              | 0  | 1178              | -1178      | E        |  |                   |            |            | s                       |
| 82      | OR      |           | 05        | SP        | COHO       | 55600                  |                                 | 0.01              | 0  | 556               | -556       | E        |  |                   |            |            | r                       |
| 82      | OR      |           | 05        | TR        | COHO       | 227700                 |                                 | 0.01              | 0  | 2277              | -2277      | E        |  |                   |            |            | s                       |
| 82      | OR      |           | 06        | SP        | COHO       | 16900                  |                                 | 0.01              | 0  | 169               | -169       | E        |  |                   |            |            | r                       |
| 82      | OR      |           | 06        | TR        | COHO       | 22200                  |                                 | 0.01              | 0  | 222               | -222       | E        |  |                   |            |            | s                       |
| 82      | OR      |           | 07        | TR        | COHO       | 1200                   |                                 | 0.01              | 0  | 12                | -12        | E        | 82742  | 307848            | -225106    |            | r                       |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area     | Gear | Spec | Catch  | Adjusted |       | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |       | CAT    | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |       | Notes | Alaska Hatchery |
|----|----|----------|------|------|--------|----------|-------|------------------------------|-----------|--|-----------|-------|--------|--|-----------|-------|-------|-----------------|
|    |    |          |      |      |        | Catch    | Catch | U.S. Est.                    | Can. Est. | U.S. Est.  | Can. Est. | Diff. |        | U.S. Est.  | Can. Est. | Diff. |       |                 |
| a  | b  | c        | d    | e    | f      | g        | h     | i                            | k         | l  | m         | o     | p      | q  | r         | t     | u     |                 |
| 83 | AK |          | ALL  | SP   | COHO   |          | 0     |                              |           | 0  | 0         | 0     | A      |  |           |       | a     |                 |
| 83 | AK | 101      | ANN  | GN   | COHO   | 7858     | 7858  | 0.44                         | 0.55      | 3458   | 4322      | -864  | A      |  |           |       | b,c,d |                 |
| 83 | AK | 101      | ANN  | OG   | COHO   | 6270     | 6270  | 0.13                         | 0.25      | 815  | 1568      | -752  | A      |  |           |       | b,c,d |                 |
| 83 | AK | 101      | ANN  | SE   | COHO   | 3341     | 3341  | 0.13                         | 0.25      | 434  | 835       | -401  | A      |  |           |       | b,c,d |                 |
| 83 | AK | 101      | GN   | COHO | 49529  | 46880    | 0.44  | 0.55                         | 20627     | 27241  | -6614     | A     |        |  |           | b,c   | 2649  |                 |
| 83 | AK | 101      | SE   | COHO | 44923  | 41601    | 0.13  | 0.25                         | 5408      | 11231  | -5823     | A     |        |  |           | b,c   | 3322  |                 |
| 83 | AK | 101      | TR   | COHO | 88886  | 84387    | 0.13  | 0.25                         | 10970     | 22222  | -11251    | A     |        |  |           | b,c   | 4499  |                 |
| 83 | AK | 102      | SE   | COHO | 31524  | 28342    | 0.18  | 0.35                         | 5102      | 11033  | -5932     | A     |        |  |           | b,c   | 3182  |                 |
| 83 | AK | 102      | TR   | COHO | 49788  | 48303    | 0.18  | 0.35                         | 8695      | 17426  | -8731     | A     |        |  |           | b,c   | 1485  |                 |
| 83 | AK | 103      | SE   | COHO | 29385  | 29058    | 0.03  | 0.10                         | 872       | 2939   | -2067     | A     |        |  |           | b,c   | 327   |                 |
| 83 | AK | 103      | TR   | COHO | 66154  | 64659    | 0.03  | 0.10                         | 1940      | 6615   | -4676     | A     |        |  |           | b,c   | 1495  |                 |
| 83 | AK | 104      | SE   | COHO | 215279 | 213100   | 0.17  | 0.35                         | 36227     | 75348  | -39121    | A     |        |  |           | b,c   | 2179  |                 |
| 83 | AK | 104      | TR   | COHO | 124454 | 122214   | 0.17  | 0.35                         | 20776     | 43559  | -22783    | A     |        |  |           | b,c   | 2240  |                 |
| 83 | AK | 105      | SE   | COHO | 3538   | 3490     | 0.04  | 0.08                         | 140       | 283  | -143      | A     |        |  |           | b,c   | 48    |                 |
| 83 | AK | 105      | TR   | COHO | 31519  | 31519    | 0.04  | 0.08                         | 1261      | 2522   | -1261     | A     |        |  |           | b,c   |       |                 |
| 83 | AK | 106      | GN   | COHO | 62430  | 56391    | 0.04  | 0.08                         | 2256      | 4994   | -2739     | A     |        |  |           | b,c,e | 6039  |                 |
| 83 | AK | 109      | SE   | COHO | 3747   | 3618     | 0.09  | 0.10                         | 326       | 375  | -49       | A     |        |  |           | b,c   | 129   |                 |
| 83 | AK | 109      | TR   | COHO | 86106  | 82633    | 0.09  | 0.10                         | 7437      | 8611   | -1174     | A     |        |  |           | b,c   | 3473  |                 |
| 83 | AK | 113      | SE   | COHO | 26781  | 26078    | 0.09  | 0.09                         | 2347      | 2410   | -63       | A     |        |  |           | b,c   | 703   |                 |
| 83 | AK | 113      | TR   | COHO | 468380 | 442784   | 0.09  | 0.45                         | 39851     | 210771   | -170920   | A     |        |  |           | b,c   | 25596 |                 |
| 83 | AK | 116      | TR   | COHO | 162126 | 157273   | 0.07  | 0.09                         | 11009     | 14591  | -3582     | A     |        |  |           | b,c   | 4853  |                 |
| 83 | AK | 152      | TR   | COHO | 10     | 10       | 0.17  | 0.35                         | 2         | 4  | -2        | A     |        |  |           | b,c   |       |                 |
| 83 | AK | 154      | TR   | COHO | 4921   | 4792     | 0.09  | 0.45                         | 431       | 2214   | -1783     | A     |        |  |           | b,c   | 129   |                 |
| 83 | AK | 156      | TR   | COHO | 3796   | 3796     | 0.07  | 0.09                         | 266       | 342  | -76       | A     |        |  |           | b,c   |       |                 |
| 83 | AK | 157      | TR   | COHO | 4455   | 4344     | 0.07  | 0.09                         | 304       | 401  | -97       | A     |        |  |           | b,c   | 111   |                 |
| 83 | AK | 181      | TR   | COHO | 3300   | 3199     | 0.03  | 0.09                         | 96        | 297  | -201      | A     |        |  |           | b,c   | 101   |                 |
| 83 | AK | 189      | TR   | COHO | 5387   | 5387     | 0.03  | 0.09                         | 162       | 485  | -323      | A     | 181209 | 472637   | -291427   | b,c,f |       |                 |
| 83 | BC | 1        | GN   | COHO | 640    |          | 0.07  | 0.07                         | 45        | 45   | 0         | C     |        |  |           | g     |       |                 |
| 83 | BC | 1        | SE   | COHO | 4762   |          | 0.07  | 0.07                         | 333       | 333  | 0         | C     |        |  |           | g     |       |                 |
| 83 | BC | 1        | TR   | COHO | 355746 |          | 0.16  | 0.15                         | 56919     | 53362  | 3557      | C     |        |  |           |       |       |                 |
| 83 | BC | 2E       | GN   | COHO | 0      |          | 0.08  |                              | 0         | 0  | 0         | C     |        |  |           |       |       |                 |
| 83 | BC | 2E       | SE   | COHO | 0      |          | 0.08  |                              | 0         | 0  | 0         | C     |        |  |           |       |       |                 |
| 83 | BC | 2E       | TR   | COHO | 107003 |          | 0.17  | 0.17                         | 18191     | 18191  | 0         | C     |        |  |           |       |       |                 |
| 83 | BC | 2W       | GN   | COHO | 15     |          |       |                              | 0         | 0  | 0         | C     |        |  |           | h     |       |                 |
| 83 | BC | 2W       | SE   | COHO | 4578   |          |       |                              | 0         | 0  | 0         | C     |        |  |           | h     |       |                 |
| 83 | BC | 2W       | TR   | COHO | 24572  |          | 0.16  | 0.15                         | 3932      | 3686   | 246       | C     |        |  |           |       |       |                 |
| 83 | BC | 3        | TR   | COHO | 128711 |          | 0.16  | 0.08                         | 20594     | 10297  | 10297     | C     |        |  |           | i     |       |                 |
| 83 | BC | 3-1      | GN   | COHO | 7778   |          | 0.20  | 0.16                         | 1556      | 1244   | 311       | C     |        |  |           | j     |       |                 |
| 83 | BC | 3-1      | SE   | COHO | 47335  |          | 0.20  | 0.16                         | 9467      | 7574   | 1893      | C     |        |  |           | j     |       |                 |
| 83 | BC | 3-(2-4)  | GN   | COHO | 6269   |          | 0.09  | 0.08                         | 564       | 502  | 63        | C     |        |  |           | j     |       |                 |
| 83 | BC | 3-(2-4)  | SE   | COHO | 43469  |          | 0.09  | 0.08                         | 3912      | 3478   | 435       | C     |        |  |           | j     |       |                 |
| 83 | BC | 3-(7-17) | GN   | COHO | 11725  |          | 0.04  |                              | 469       | 0  | 469       | C     |        |  |           | j     |       |                 |
| 83 | BC | 3-(7-17) | SE   | COHO | 39508  |          | 0.04  |                              | 1580      | 0  | 1580      | C     |        |  |           | j     |       |                 |
| 83 | BC | 4        | GN   | COHO | 38682  |          | 0.01  |                              | 387       | 0  | 387       | C     |        |  |           |       |       |                 |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |       |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|-------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |       |
| 83      | BC      |           | 4         | SE        | COHO       | 0                               |                   |                   | 0.01  |                   |            | 0        | 0  | 0                 | C          |            |                         |       |
| 83      | BC      |           | 4         | TR        | COHO       | 94979                           |                   |                   | 0.12  | 0.06              |            | 11397    | 5699   | 5699              | C          |            |                         |       |
| 83      | BC      |           | 5         | TR        | COHO       | 21874                           |                   |                   | 0.07  | 0.06              |            | 1531     | 1312   | 219               | C          |            |                         |       |
| 83      | BC      | 5         | oth       | GN        | COHO       | 3087                            |                   |                   | 0.03  |                   |            | 93       | 0  | 93                | C          |            | k                       |       |
| 83      | BC      | 5         | oth       | SE        | COHO       | 3749                            |                   |                   | 0.03  |                   |            | 112      | 0  | 112               | C          |            | k                       |       |
| 83      | BC      | 5-11      | GN        | COHO      | 5115       |                                 |                   |                   | 0.03  | 0.07              |            | 153      | 358  | -205              | C          |            | k                       |       |
| 83      | BC      | 5-11      | SE        | COHO      | 0          |                                 |                   |                   | 0.03  | 0.07              |            | 0        | 0  | 0                 | C          |            | k                       |       |
| 83      | BC      | 6         | TR        | COHO      | 46360      |                                 |                   |                   | 0.07  | 0.06              |            | 3245     | 2782   | 464               | C          | 134481     | 108861                  | 25620 |
| 83      | BC      | 1         | TR        | COHO      | 355746     |                                 |                   |                   | 0.02  |                   |            | 7115     | 0  | 7115              | D          |            |                         |       |
| 83      | BC      | 2E        | TR        | COHO      | 107003     |                                 |                   |                   | 0.02  |                   |            | 2140     | 0  | 2140              | D          |            |                         |       |
| 83      | BC      | 2W        | TR        | COHO      | 24572      |                                 |                   |                   | 0.02  |                   |            | 491      | 0  | 491               | D          |            |                         |       |
| 83      | BC      | 3         | TR        | COHO      | 128711     |                                 |                   |                   | 0.02  |                   |            | 2574     | 0  | 2574              | D          |            | l                       |       |
| 83      | BC      | 4         | TR        | COHO      | 94979      |                                 |                   |                   | 0.02  |                   |            | 1900     | 0  | 1900              | D          |            |                         |       |
| 83      | BC      | 5         | TR        | COHO      | 21874      |                                 |                   |                   | 0.02  |                   |            | 437      | 0  | 437               | D          |            |                         |       |
| 83      | BC      | 6         | TR        | COHO      | 46360      |                                 |                   |                   | 0.13  |                   |            | 6027     | 0  | 6027              | D          |            |                         |       |
| 83      | BC      | 6         | GN        | COHO      | 7134       |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 6         | SE        | COHO      | 87496      |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 7         | SE        | COHO      | 7855       |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 7         | GN        | COHO      | 1429       |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 7         | TR        | COHO      | 36846      |                                 |                   |                   | 0.13  | 0.10              |            | 4790     | 3685   | 1105              | D          |            | m                       |       |
| 83      | BC      | 8         | GN        | COHO      | 15669      |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 8         | SE        | COHO      | 27280      |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 8         | TR        | COHO      | 25203      |                                 |                   |                   | 0.13  | 0.10              |            | 3276     | 2520   | 756               | D          |            | m                       |       |
| 83      | BC      | 9         | TR        | COHO      | 12198      |                                 |                   |                   | 0.13  | 0.10              |            | 1586     | 1220   | 366               | D          |            |                         |       |
| 83      | BC      | 9         | GN        | COHO      | 2743       |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 9         | SE        | COHO      | 0          |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            | m                       |       |
| 83      | BC      | 10        | GN        | COHO      | 3807       |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 10        | TR        | COHO      | 64808      |                                 |                   |                   | 0.13  | 0.10              |            | 8425     | 6481   | 1944              | D          |            | m                       |       |
| 83      | BC      | 11        | SE        | COHO      | 0          |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 11        | GN        | COHO      | 3953       |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 11        | TR        | COHO      | 223523     |                                 |                   |                   | 0.13  | 0.10              |            | 29058    | 22352  | 6706              | D          |            |                         |       |
| 83      | BC      | 12        | SE        | COHO      | 170984     |                                 |                   |                   | 0.05  |                   |            | 8549     | 0  | 8549              | D          |            |                         |       |
| 83      | BC      | 12        | GN        | COHO      | 20935      |                                 |                   |                   | 0.05  |                   |            | 1047     | 0  | 1047              | D          |            |                         |       |
| 83      | BC      | 12        | TR        | COHO      | 63284      |                                 |                   |                   | 0.19  | 0.15              |            | 12024    | 9493   | 2531              | D          |            |                         |       |
| 83      | BC      | 13        | GN        | COHO      | 2154       |                                 |                   |                   | 0.07  |                   |            | 151      | 0  | 151               | D          |            |                         |       |
| 83      | BC      | 13        | TR        | COHO      | 10235      |                                 |                   |                   | 0.19  | 0.08              |            | 1945     | 819  | 1126              | D          |            |                         |       |
| 83      | BC      | 13        | SE        | COHO      | 45255      |                                 |                   |                   | 0.07  |                   |            | 3168     | 0  | 3168              | D          |            |                         |       |
| 83      | BC      | 14        | GN        | COHO      | 12887      |                                 |                   |                   | 0.10  |                   |            | 1289     | 0  | 1289              | D          |            |                         |       |
| 83      | BC      | 14        | SE        | COHO      | 72         |                                 |                   |                   | 0.10  |                   |            | 7        | 0  | 7                 | D          |            |                         |       |
| 83      | BC      | 14        | TR        | COHO      | 31749      |                                 |                   |                   | 0.19  | 0.08              |            | 6032     | 2540   | 3492              | D          |            |                         |       |
| 83      | BC      | 15        | SE        | COHO      | 0          |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 15        | GN        | COHO      | 0          |                                 |                   |                   |   |                   |            | 0        | 0  | 0                 | D          |            |                         |       |
| 83      | BC      | 15        | TR        | COHO      | 5033       |                                 |                   |                   | 0.19  | 0.08              |            | 956      | 403  | 554               | D          |            |                         |       |
| 83      | BC      | 16        | TR        | COHO      | 1130       |                                 |                   |                   | 0.19  | 0.08              |            | 215      | 90   | 124               | D          |            |                         |       |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|--|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 83      | BC      |           | 16        | GN        | COHO       | 792                    |                                 | 0.10              |  | 79                | 0          | 79       | D  |                   |            |            |                         |
| 83      | BC      |           | 16        | SE        | COHO       | 2542                   |                                 | 0.10              |  | 254               | 0          | 254      | D  |                   |            |            |                         |
| 83      | BC      |           | 17        | TR        | COHO       | 6243                   |                                 | 0.19              | 0.08   | 1186              | 499        | 687      | D  |                   |            |            |                         |
| 83      | BC      |           | 17        | GN        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 17        | SE        | COHO       | 0                      |                                 | 0.10              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 18        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 18        | GN        | COHO       | 0                      |                                 | 0.10              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 18        | TR        | COHO       | 912                    |                                 | 0.19              | 0.08   | 173               | 73         | 100      | D  |                   |            |            |                         |
| 83      | BC      |           | 19        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 19        | GN        | COHO       | 5                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 19        | TR        | COHO       | 0                      |                                 |                   | 0.08   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 20        | SE        | COHO       | 15306                  |                                 | 0.89              | 0.45   | 13622             | 6888       | 6735     | D  |                   |            |            |                         |
| 83      | BC      |           | 20        | TR        | COHO       | 0                      |                                 | 0.89              | 0.50   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 20        | GN        | COHO       | 1637                   |                                 | 0.89              | 0.45   | 1457              | 737        | 720      | D  |                   |            |            |                         |
| 83      | BC      |           | 21        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 21        | GN        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 21        | TR        | COHO       | 216227                 |                                 | 0.64              | 0.43   | 138385            | 92978      | 45408    | D  |                   |            |            |                         |
| 83      | BC      |           | 22        | GN        | COHO       | 0                      |                                 | 0.25              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 22        | SE        | COHO       | 0                      |                                 | 0.25              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 22        | TR        | COHO       | 0                      |                                 | 0.64              | 0.43   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 23        | SE        | COHO       | 7074                   |                                 | 0.33              |  | 2334              | 0          | 2334     | D  |                   |            |            |                         |
| 83      | BC      |           | 23        | GN        | COHO       | 1981                   |                                 | 0.33              |  | 654               | 0          | 654      | D  |                   |            |            |                         |
| 83      | BC      |           | 23        | TR        | COHO       | 901486                 |                                 | 0.64              | 0.43   | 576951            | 387639     | 189312   | D  |                   |            |            |                         |
| 83      | BC      |           | 24        | TR        | COHO       | 573007                 |                                 | 0.64              | 0.43   | 366724            | 246393     | 120331   | D  |                   |            |            |                         |
| 83      | BC      |           | 24        | SE        | COHO       | 0                      |                                 | 0.25              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 24        | GN        | COHO       | 0                      |                                 | 0.25              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 25        | TR        | COHO       | 194817                 |                                 | 0.26              | 0.25   | 50652             | 48704      | 1948     | D  |                   |            |            |                         |
| 83      | BC      |           | 25        | SE        | COHO       | 155                    |                                 | 0.47              |  | 73                | 0          | 73       | D  |                   |            |            |                         |
| 83      | BC      |           | 25        | GN        | COHO       | 0                      |                                 | 0.47              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 26        | SE        | COHO       | 0                      |                                 | 0.47              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 26        | TR        | COHO       | 68605                  |                                 | 0.26              | 0.25   | 17837             | 17151      | 686      | D  |                   |            |            |                         |
| 83      | BC      |           | 26        | GN        | COHO       | 0                      |                                 | 0.47              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 27        | TR        | COHO       | 215002                 |                                 | 0.26              | 0.25   | 55901             | 53751      | 2150     | D  |                   |            |            |                         |
| 83      | BC      |           | 27        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 27        | GN        | COHO       | 0                      |                                 | 0.47              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 28        | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 28        | GN        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 28        | TR        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 29AB      | TR        | COHO       | 2623                   |                                 | 0.19              | 0.08   | 498               | 210        | 289      | D  |                   |            |            |                         |
| 83      | BC      |           | 29AB      | GN        | COHO       | 10908                  |                                 | 0.10              |  | 1091              | 0          | 1091     | D  |                   |            |            |                         |
| 83      | BC      |           | 29AB      | SE        | COHO       | 21                     |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 29C       | TR        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 29C       | GN        | COHO       | 189                    |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 83      | BC      |           | 29C       | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|--|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 83      | BC      |           | 29D       | TR        | COHO       | 0                      |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 83      | BC      |           | 29D       | GN        | COHO       | 204                    |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 83      | BC      |           | 29D       | SE        | COHO       | 0                      |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 83      | BC      |           | 29E       | SE        | COHO       | 0                      |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 83      | BC      |           | 29E       | GN        | COHO       | 0                      |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 83      | BC      |           | 29E       | TR        | COHO       | 0                      |                                 |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |
| 83      | BC      |           | 30        | TR        | COHO       | 24010                  |                                 | 0.13              | 0.10   | 3121              | 2401       | 720      | D  |                   |            | n          |                         |
| 83      | BC      |           | GS        | SP        | COHO       | 404000                 |                                 | 0.19              | 0.07   | 76760             | 28280      | 48480    | D  | 1410957           | 935305     | 475651     | o                       |
| 83      | WA      |           | 01        | SP        | COHO       | 88183                  |                                 | 0.01              | 0.07   | 882               | 6173       | -5291    | E  |                   |            |            | p                       |
| 83      | WA      |           | 01        | TR        | COHO       | 18377                  |                                 | 0.04              | 0.07   | 735               | 1286       | -551     | E  |                   |            |            | q                       |
| 83      | WA      |           | 02        | SP        | COHO       | 64978                  |                                 | 0.05              | 0.07   | 3249              | 4548       | -1300    | E  |                   |            |            | p                       |
| 83      | WA      |           | 02        | TR        | COHO       | 1656                   |                                 | 0.07              | 0.10   | 116               | 166        | -50      | E  |                   |            |            | q                       |
| 83      | WA      |           | 03        | SP        | COHO       | 6918                   |                                 | 0.14              | 0.25   | 969               | 1730       | -761     | E  |                   |            |            | p                       |
| 83      | WA      |           | 03        | TR        | COHO       | 7263                   |                                 | 0.15              | 0.30   | 1089              | 2179       | -1089    | E  |                   |            |            | q                       |
| 83      | WA      |           | 04        | GN        | COHO       | 18                     |                                 | 0.05              | 0.35   | 1                 | 6          | -5       | E  |                   |            |            | q                       |
| 83      | WA      |           | 04        | SN        | COHO       | 0                      |                                 | 0.11              | 0.35   | 0                 | 0          | 0        | E  |                   |            |            | q                       |
| 83      | WA      |           | 04        | SP        | COHO       | 51826                  |                                 | 0.14              | 0.30   | 7256              | 15548      | -8292    | E  |                   |            |            | p                       |
| 83      | WA      |           | 04        | TR        | COHO       | 30549                  |                                 | 0.11              | 0.35   | 3360              | 10692      | -7332    | E  |                   |            |            | q                       |
| 83      | WA      |           | 04B       | GN        | COHO       | 6481                   |                                 | 0.05              | 0.35   | 324               | 2268       | -1944    | E  |                   |            |            | q                       |
| 83      | WA      |           | 04B       | SN        | COHO       | 1099                   |                                 | 0.05              | 0.35   | 55                | 385        | -330     | E  |                   |            |            | q                       |
| 83      | WA      |           | 04B       | TR        | COHO       | 3629                   |                                 | 0.00              | 0.35   | 0                 | 1270       | -1270    | E  |                   |            |            | q                       |
| 83      | WA      |           | 05        | GN        | COHO       | 31745                  |                                 | 0.05              | 0.35   | 1587              | 11111      | -9524    | E  |                   |            |            | q                       |
| 83      | WA      |           | 05        | ON        | COHO       | 0                      |                                 | 0.05              | 0.35   | 0                 | 0          | 0        | E  |                   |            |            | q                       |
| 83      | WA      |           | 05        | SE        | COHO       | 0                      |                                 | 0.05              | 0.35   | 0                 | 0          | 0        | E  |                   |            |            | q                       |
| 83      | WA      |           | 05        | SN        | COHO       | 980                    |                                 | 0.05              | 0.35   | 49                | 343        | -294     | E  |                   |            |            | q                       |
| 83      | WA      |           | 05        | SP        | COHO       | 40598                  |                                 | 0.08              | 0.30   | 3248              | 12179      | -8932    | E  |                   |            |            | p                       |
| 83      | WA      |           | 05        | TR        | COHO       | 217                    |                                 | 0.00              | 0.35   | 0                 | 76         | -76      | E  |                   |            |            | q                       |
| 83      | WA      |           | 06        | GN        | COHO       | 2700                   |                                 | 0.05              | 0.35   | 135               | 945        | -810     | E  |                   |            |            | q                       |
| 83      | WA      |           | 06        | ON        | COHO       | 0                      |                                 | 0.05              | 0.35   | 0                 | 0          | 0        | E  |                   |            |            | q                       |
| 83      | WA      |           | 06        | SE        | COHO       | 0                      |                                 | 0.05              | 0.35   | 0                 | 0          | 0        | E  |                   |            |            | q                       |
| 83      | WA      |           | 06        | SP        | COHO       | 31167                  |                                 | 0.08              | 0.30   | 2493              | 9350       | -6857    | E  |                   |            |            | p                       |
| 83      | WA      |           | 06        | TR        | COHO       | 11                     |                                 | 0.00              | 0.35   | 0                 | 4          | -4       | E  |                   |            |            | q                       |
| 83      | WA      |           | 06C       | GN        | COHO       | 97                     |                                 | 0.05              | 0.35   | 5                 | 34         | -29      | E  |                   |            |            | q                       |
| 83      | WA      |           | 06C       | ON        | COHO       | 6                      |                                 | 0.05              | 0.35   | 0                 | 2          | -2       | E  |                   |            |            | q                       |
| 83      | WA      |           | 06C       | SN        | COHO       | 172                    |                                 | 0.05              | 0.35   | 9                 | 60         | -52      | E  |                   |            |            | q                       |
| 83      | WA      |           | 06C       | TR        | COHO       | 129                    |                                 | 0.00              | 0.35   | 0                 | 45         | -45      | E  |                   |            |            | q                       |
| 83      | WA      |           | 06D       | GN        | COHO       | 2388                   |                                 |                   | 0.01   | 0                 | 24         | -24      | E  |                   |            |            | q                       |
| 83      | WA      |           | 06D       | ON        | COHO       | 11                     |                                 |                   | 0.01   | 0                 | 0          | -0       | E  |                   |            |            | q                       |
| 83      | WA      |           | 06D       | SN        | COHO       | 3660                   |                                 |                   | 0.01   | 0                 | 37         | -37      | E  |                   |            |            | q                       |
| 83      | WA      |           | 07        | GN        | COHO       | 8347                   |                                 | 0.08              | 0.80   | 668               | 6678       | -6010    | E  |                   |            |            | q                       |
| 83      | WA      |           | 07        | ON        | COHO       | 834                    |                                 | 0.08              | 0.80   | 67                | 667        | -600     | E  |                   |            |            | q                       |
| 83      | WA      |           | 07        | SE        | COHO       | 31421                  |                                 | 0.08              | 0.80   | 2514              | 25137      | -22623   | E  |                   |            |            | q                       |
| 83      | WA      |           | 07        | SN        | COHO       | 56                     |                                 | 0.08              | 0.80   | 4                 | 45         | -40      | E  |                   |            |            | q                       |
| 83      | WA      |           | 07        | SP        | COHO       | 8154                   |                                 | 0.08              | 0.85   | 652               | 6931       | -6279    | E  |                   |            |            | p                       |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |           |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |       | CAT    | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |       | Notes | Alaska Hatchery |
|----|----|------|------|------|-------|------------------------------|-----------|-----------|--|-----------|-------|--------|--|-----------|-------|-------|-----------------|
|    |    |      |      |      |       | Adjusted Catch               | U.S. Est. | Can. Est. | U.S. Est.  | Can. Est. | Diff. |        | U.S. Est.  | Can. Est. | Diff. |       |                 |
| a  | b  | c    | d    | e    | f     | g                            | h         | i         | k  | l         | m     | o      | p  | q         | r     | t     | u               |
| 83 | WA |      | 07A  | GN   | COHO  | 4166                         |           | 0.08      | 0.90   | 333       | 3749  | -3416  | E  |           |       |       | q               |
| 83 | WA |      | 07A  | ON   | COHO  | 95                           |           | 0.08      | 0.90   | 8         | 86    | -78    | E  |           |       |       | q               |
| 83 | WA |      | 07A  | SE   | COHO  | 13199                        |           | 0.08      | 0.90   | 1056      | 11879 | -10823 | E  |           |       |       | q               |
| 83 | WA |      | 07A  | SN   | COHO  | 58                           |           | 0.08      | 0.90   | 5         | 52    | -48    | E  |           |       |       | q               |
| 83 | WA |      | 07B  | GN   | COHO  | 77454                        |           |           | 0.01   | 0         | 775   | -775   | E  |           |       |       | q               |
| 83 | WA |      | 07B  | ON   | COHO  | 14                           |           |           | 0.01   | 0         | 0     | -0     | E  |           |       |       | q               |
| 83 | WA |      | 07B  | SE   | COHO  | 15318                        |           |           | 0.01   | 0         | 153   | -153   | E  |           |       |       | q               |
| 83 | WA |      | 07B  | SN   | COHO  | 22583                        |           |           | 0.01   | 0         | 226   | -226   | E  |           |       |       | q               |
| 83 | WA |      | 07C  | GN   | COHO  | 3                            |           |           | 0.01   | 0         | 0     | -0     | E  |           |       |       | q               |
| 83 | WA |      | 07C  | SE   | COHO  | 13                           |           |           | 0.01   | 0         | 0     | -0     | E  |           |       |       | q               |
| 83 | WA |      | 07C  | SN   | COHO  | 42                           |           |           | 0.01   | 0         | 0     | -0     | E  |           |       |       | q               |
| 83 | WA |      | 07D  | GN   | COHO  | 1121                         |           |           | 0.01   | 0         | 11    | -11    | E  |           |       |       | q               |
| 83 | WA |      | 07D  | SN   | COHO  | 793                          |           |           | 0.01   | 0         | 8     | -8     | E  |           |       |       | q               |
| 83 | WA |      | 08   | GN   | COHO  | 36488                        |           |           | 0.01   | 0         | 365   | -365   | E  |           |       | q/?   |                 |
| 83 | WA |      | 08   | ON   | COHO  | 2829                         |           |           | 0.01   | 0         | 28    | -28    | E  |           |       | q/?   |                 |
| 83 | WA |      | 08   | SE   | COHO  | 10401                        |           |           | 0.01   | 0         | 104   | -104   | E  |           |       | q/?   |                 |
| 83 | WA |      | 08   | SN   | COHO  | 3756                         |           |           | 0.01   | 0         | 38    | -38    | E  |           |       | q/?   |                 |
| 83 | WA |      | 08   | SP   | COHO  | 13789                        |           |           | 0.05   | 0         | 689   | -689   | E  |           |       | p     |                 |
| 83 | WA |      | 09   | GN   | COHO  | 3566                         |           | 0.03      | 0.01   | 107       | 36    | 71     | E  |           |       | q     |                 |
| 83 | WA |      | 09   | ON   | COHO  | 16                           |           | 0.03      | 0.01   | 0         | 0     | 0      | E  |           |       | q     |                 |
| 83 | WA |      | 09   | SE   | COHO  | 9357                         |           | 0.03      | 0.01   | 281       | 94    | 187    | E  |           |       | q     |                 |
| 83 | WA |      | 09   | SN   | COHO  | 1595                         |           | 0.03      | 0.01   | 48        | 16    | 32     | E  |           |       | q     |                 |
| 83 | WA |      | 09   | SP   | COHO  | 59285                        |           | 0.00      | 0.05   | 0         | 2964  | -2964  | E  |           |       | p     |                 |
| 83 | WA |      | 09A  | GN   | COHO  | 1104                         |           | 0.00      | 0.01   | 0         | 11    | -11    | E  |           |       | q     |                 |
| 83 | WA |      | 09A  | ON   | COHO  | 0                            |           | 0.00      | 0.01   | 0         | 0     | 0      | E  |           |       | q     |                 |
| 83 | WA |      | 09A  | SN   | COHO  | 20314                        |           | 0.00      | 0.01   | 0         | 203   | -203   | E  |           |       | q     |                 |
| 83 | WA |      | 10   | GN   | COHO  | 193882                       |           |           | 0.01   | 0         | 1939  | -1939  | E  |           |       | q/?   |                 |
| 83 | WA |      | 10   | ON   | COHO  | 28                           |           |           | 0.01   | 0         | 0     | -0     | E  |           |       | q/?   |                 |
| 83 | WA |      | 10   | SE   | COHO  | 138343                       |           |           | 0.01   | 0         | 1383  | -1383  | E  |           |       | q/?   |                 |
| 83 | WA |      | 10   | SN   | COHO  | 8397                         |           |           | 0.01   | 0         | 84    | -84    | E  |           |       | q/?   |                 |
| 83 | WA |      | 10   | SP   | COHO  | 36394                        |           |           | 0.05   | 0         | 1820  | -1820  | E  |           |       | p     |                 |
| 83 | WA |      | 11   | GN   | COHO  | 50850                        |           |           | 0.01   | 0         | 509   | -509   | E  |           |       | q/?   |                 |
| 83 | WA |      | 11   | ON   | COHO  | 0                            |           |           | 0.01   | 0         | 0     | 0      | E  |           |       | q/?   |                 |
| 83 | WA |      | 11   | SE   | COHO  | 60953                        |           |           | 0.01   | 0         | 610   | -610   | E  |           |       | q/?   |                 |
| 83 | WA |      | 11   | SN   | COHO  | 616                          |           |           | 0.01   | 0         | 6     | -6     | E  |           |       | q/?   |                 |
| 83 | WA |      | 11   | SP   | COHO  | 38611                        |           |           | 0.05   | 0         | 1931  | -1931  | E  |           |       | p     |                 |
| 83 | WA |      | 12   | GN   | COHO  | 40328                        |           |           | 0.01   | 0         | 403   | -403   | E  |           |       | q/?   |                 |
| 83 | WA |      | 12   | ON   | COHO  | 183                          |           |           | 0.01   | 0         | 2     | -2     | E  |           |       | q/?   |                 |
| 83 | WA |      | 12   | SE   | COHO  | 33818                        |           |           | 0.01   | 0         | 338   | -338   | E  |           |       | q/?   |                 |
| 83 | WA |      | 12   | SN   | COHO  | 14083                        |           |           | 0.01   | 0         | 141   | -141   | E  |           |       | q/?   |                 |
| 83 | WA |      | 12   | SP   | COHO  | 6011                         |           |           | 0.05   | 0         | 301   | -301   | E  |           |       | p     |                 |
| 83 | WA |      | 13   | GN   | COHO  | 4051                         |           |           | 0.01   | 0         | 41    | -41    | E  |           |       | q/?   |                 |
| 83 | WA |      | 13   | ON   | COHO  | 47079                        |           |           | 0.01   | 0         | 471   | -471   | E  |           |       | q/?   |                 |
| 83 | WA |      | 13   | SE   | COHO  | 0                            |           |           | 0.01   | 0         | 0     | 0      | E  |           |       | q/?   |                 |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |                   | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |                   | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|---|-------------------|-------------------|----------|--|-------------------|-------------------|------------|-------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i                                 | U.S.<br>Est.<br>k | Can.<br>Est.<br>l |          | Diff.<br>m   | U.S.<br>Est.<br>p | Can.<br>Est.<br>q |            |                         |
| 83      | WA      |           | 13        | SN        | COHO       | 66710                           |                   |   | 0                 | 667               | -667     | E  |                   |                   |            | q/?                     |
| 83      | WA      |           | 13        | SP        | COHO       | 40101                           |                   | 0.05  | 0                 | 2005              | -2005    | E  |                   |                   |            | p                       |
| 83      | WA      |           | 54        | TR        | COHO       | 3200                            |                   |   | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 83      | WA      |           | 61        | TR        | COHO       | 3200                            |                   |   | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 83      | WA      |           | 62        | TR        | COHO       | 0                               |                   |   | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 83      | OR      |           | 01        | TR        | COHO       | 100                             | 0.04              | 0.01  | 4                 | 1                 | 3        | E  |                   |                   |            | s                       |
| 83      | OR      |           | 02        | SP        | COHO       | 37200                           |                   | 0.01  | 0                 | 372               | -372     | E  |                   |                   |            | s                       |
| 83      | OR      |           | 02        | TR        | COHO       | 4900                            |                   | 0.01  | 0                 | 49                | -49      | E  |                   |                   |            | s                       |
| 83      | OR      |           | 03        | SP        | COHO       | 8800                            | 0.03              | 0.01  | 264               | 88                | 176      | E  |                   |                   |            | s                       |
| 83      | OR      |           | 03        | TR        | COHO       | 63300                           | 0.01              | 0.01  | 633               | 633               | 0        | E  |                   |                   |            | s                       |
| 83      | OR      |           | 04        | SP        | COHO       | 21800                           | 0.02              | 0.01  | 436               | 218               | 218      | E  |                   |                   |            | s                       |
| 83      | OR      |           | 04        | TR        | COHO       | 118000                          | 0.01              | 0.01  | 1180              | 1180              | 0        | E  |                   |                   |            | s                       |
| 83      | OR      |           | 05        | SP        | COHO       | 62700                           |                   | 0.01  | 0                 | 627               | -627     | E  |                   |                   |            | s                       |
| 83      | OR      |           | 05        | TR        | COHO       | 109700                          |                   | 0.01  | 0                 | 1097              | -1097    | E  |                   |                   |            | s                       |
| 83      | OR      |           | 06        | SP        | COHO       | 16300                           |                   | 0.01  | 0                 | 163               | -163     | E  |                   |                   |            | s                       |
| 83      | OR      |           | 06        | TR        | COHO       | 22500                           |                   | 0.01  | 0                 | 225               | -225     | E  |                   |                   |            | s                       |
| 83      | OR      |           | 07        | TR        | COHO       | 1300                            |                   | 0.01  | 0                 | 13                | -13      | E  | 33821             | 158721            | -124900    | s                       |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear     | Spec | Catch  | Adjusted |       | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |       | CAT    | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |       | Notes | Alaska<br>Hatchery |
|----|----|------|----------|------|--------|----------|-------|------------------------------|-----------|--|-----------|-------|--------|--|-----------|-------|-------|--------------------|
|    |    |      |          |      |        | Catch    | Catch | U.S. Est.                    | Can. Est. | U.S. Est.  | Can. Est. | Diff. |        | U.S. Est.  | Can. Est. | Diff. |       |                    |
| a  | b  | c    | d        | e    | f      | g        | h     | i                            | k         | l  | m         | o     | p      | q  | r         | t     | u     |                    |
| 84 | AK |      | ALL      | SP   | COHO   |          | 0     |                              |           | 0  | 0         | 0     | A      |  |           |       | a     |                    |
| 84 | AK | 101  | ANN      | GN   | COHO   | 8201     | 8201  | 0.44                         | 0.55      | 3608   | 4511      | -902  | A      |  |           |       | b,c,d |                    |
| 84 | AK | 101  | ANN      | OG   | COHO   | 5595     | 5595  | 0.13                         | 0.25      | 727  | 1399      | -671  | A      |  |           |       | b,c,d |                    |
| 84 | AK | 101  | ANN      | SE   | COHO   | 14703    | 14703 | 0.13                         | 0.25      | 1911   | 3676      | -1764 | A      |  |           |       | b,c,d |                    |
| 84 | AK | 101  | GN       | COHO | 43747  | 37879    | 0.44  | 0.55                         | 16667     | 24061  | -7394     | A     |        |  |           | b,c   | 5868  |                    |
| 84 | AK | 101  | SE       | COHO | 78945  | 66431    | 0.13  | 0.25                         | 8636      | 19736  | -11100    | A     |        |  |           | b,c   | 12514 |                    |
| 84 | AK | 101  | TR       | COHO | 40671  | 33837    | 0.13  | 0.25                         | 4399      | 10168  | -5769     | A     |        |  |           | b,c   | 6834  |                    |
| 84 | AK | 102  | SE       | COHO | 48151  | 44632    | 0.18  | 0.35                         | 8034      | 16853  | -8819     | A     |        |  |           | b,c   | 3519  |                    |
| 84 | AK | 102  | TR       | COHO | 18303  | 14333    | 0.18  | 0.35                         | 2580      | 6406   | -3826     | A     |        |  |           | b,c   | 3970  |                    |
| 84 | AK | 103  | SE       | COHO | 39539  | 38929    | 0.03  | 0.10                         | 1168      | 3954   | -2786     | A     |        |  |           | b,c   | 610   |                    |
| 84 | AK | 103  | TR       | COHO | 48501  | 47428    | 0.03  | 0.10                         | 1423      | 4850   | -3427     | A     |        |  |           | b,c   | 1073  |                    |
| 84 | AK | 104  | SE       | COHO | 144102 | 139967   | 0.17  | 0.35                         | 23794     | 50436  | -26641    | A     |        |  |           | b,c   | 4135  |                    |
| 84 | AK | 104  | TR       | COHO | 106561 | 101714   | 0.17  | 0.35                         | 17291     | 37296  | -20005    | A     |        |  |           | b,c   | 4847  |                    |
| 84 | AK | 105  | SE       | COHO | 1914   | 1900     | 0.04  | 0.08                         | 76        | 153  | -77       | A     |        |  |           | b,c   | 14    |                    |
| 84 | AK | 105  | TR       | COHO | 22594  | 22594    | 0.04  | 0.08                         | 904       | 1808   | -904      | A     |        |  |           | b,c   |       |                    |
| 84 | AK | 106  | GN       | COHO | 48244  | 39022    | 0.04  | 0.08                         | 1561      | 3860   | -2299     | A     |        |  |           | b,c,e | 9222  |                    |
| 84 | AK | 109  | SE       | COHO | 21889  | 19599    | 0.09  | 0.10                         | 1764      | 2189   | -425      | A     |        |  |           | b,c   | 2290  |                    |
| 84 | AK | 109  | TR       | COHO | 49491  | 43452    | 0.09  | 0.10                         | 3911      | 4949   | -1038     | A     |        |  |           | b,c   | 6039  |                    |
| 84 | AK | 113  | SE       | COHO | 3472   | 3376     | 0.09  | 0.09                         | 304       | 312  | -9        | A     |        |  |           | b,c   | 96    |                    |
| 84 | AK | 113  | TR       | COHO | 468709 | 444427   | 0.09  | 0.45                         | 39998     | 210919   | -170921   | A     |        |  |           | b,c   | 24282 |                    |
| 84 | AK | 116  | TR       | COHO | 80516  | 77057    | 0.07  | 0.09                         | 5394      | 7246   | -1852     | A     |        |  |           | b,c   | 3459  |                    |
| 84 | AK | 152  | TR       | COHO | 1048   | 966      | 0.17  | 0.35                         | 164       | 367  | -203      | A     |        |  |           | b,c   | 82    |                    |
| 84 | AK | 154  | TR       | COHO | 50469  | 47330    | 0.09  | 0.45                         | 4260      | 22711  | -18451    | A     |        |  |           | b,c   | 3139  |                    |
| 84 | AK | 156  | TR       | COHO | 18152  | 18152    | 0.07  | 0.09                         | 1271      | 1634   | -363      | A     |        |  |           | b,c   |       |                    |
| 84 | AK | 157  | TR       | COHO | 3704   | 3685     | 0.07  | 0.09                         | 258       | 333  | -75       | A     |        |  |           | b,c   | 19    |                    |
| 84 | AK | 181  | TR       | COHO | 27581  | 27205    | 0.03  | 0.09                         | 816       | 2482   | -1666     | A     |        |  |           | b,c   | 376   |                    |
| 84 | AK | 189  | TR       | COHO | 8720   | 7999     | 0.03  | 0.09                         | 240       | 785  | -545      | A     | 151159 | 443093   | -291933   | b,c,f | 721   |                    |
| 84 | BC |      | 1        | GN   | COHO   | 221      |       | 0.07                         | 0.07      | 15   | 15        | 0     | C      |  |           |       | g     |                    |
| 84 | BC |      | 1        | SE   | COHO   | 7231     |       | 0.07                         | 0.07      | 506  | 506       | 0     | C      |  |           |       | g     |                    |
| 84 | BC |      | 1        | TR   | COHO   | 334648   |       | 0.16                         | 0.15      | 53544  | 50197     | 3346  | C      |  |           |       |       |                    |
| 84 | BC |      | 2E       | GN   | COHO   | 2167     |       | 0.08                         |           | 173  | 0         | 173   | C      |  |           |       |       |                    |
| 84 | BC |      | 2E       | SE   | COHO   | 2295     |       | 0.08                         |           | 184  | 0         | 184   | C      |  |           |       |       |                    |
| 84 | BC |      | 2E       | TR   | COHO   | 29204    |       | 0.17                         | 0.17      | 4965   | 4965      | 0     | C      |  |           |       |       |                    |
| 84 | BC |      | 2W       | GN   | COHO   | 58       |       |                              |           | 0  | 0         | 0     | C      |  |           |       | h     |                    |
| 84 | BC |      | 2W       | SE   | COHO   | 7467     |       |                              |           | 0  | 0         | 0     | C      |  |           |       | h     |                    |
| 84 | BC |      | 2W       | TR   | COHO   | 31017    |       | 0.16                         | 0.15      | 4963   | 4653      | 310   | C      |  |           |       |       |                    |
| 84 | BC |      | 3        | TR   | COHO   | 74739    |       | 0.16                         | 0.08      | 11958  | 5979      | 5979  | C      |  |           |       | i     |                    |
| 84 | BC |      | 3-1      | GN   | COHO   | 1714     |       | 0.20                         | 0.16      | 343  | 274       | 69    | C      |  |           |       | j     |                    |
| 84 | BC |      | 3-1      | SE   | COHO   | 18307    |       | 0.20                         | 0.16      | 3661   | 2929      | 732   | C      |  |           |       | j     |                    |
| 84 | BC |      | 3-(2-4)  | GN   | COHO   | 4569     |       | 0.09                         | 0.08      | 411  | 366       | 46    | C      |  |           |       | j     |                    |
| 84 | BC |      | 3-(2-4)  | SE   | COHO   | 17736    |       | 0.09                         | 0.08      | 1596   | 1419      | 177   | C      |  |           |       | j     |                    |
| 84 | BC |      | 3-(7-17) | GN   | COHO   | 21785    |       | 0.04                         |           | 871  | 0         | 871   | C      |  |           |       | j     |                    |
| 84 | BC |      | 3-(7-17) | SE   | COHO   | 13281    |       | 0.04                         |           | 531  | 0         | 531   | C      |  |           |       | j     |                    |
| 84 | BC |      | 4        | GN   | COHO   | 34722    |       | 0.01                         |           | 347  | 0         | 347   | C      |  |           |       |       |                    |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area  | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |           |           | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |           |       | CAT   | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |       | Notes | Alaska Hatchery |
|----|----|-------|------|------|-------|------------------------------|-----------|-----------|---|-----------|-------|-------|--|-----------|-------|-------|-----------------|
|    |    |       |      |      |       | Adjusted Catch               | U.S. Est. | Can. Est. | U.S. Est.   | Can. Est. | Diff. |       | U.S. Est.  | Can. Est. | Diff. |       |                 |
| a  | b  | c     | d    | e    | f     | g                            | h         | i         | k   | l         | m     | o     | p  | q         | r     | t     | u               |
| 84 | BC |       | 4    | SE   | COHO  | 11589                        |           | 0.01      |   | 116       | 0     | 116   | C  |           |       |       |                 |
| 84 | BC |       | 4    | TR   | COHO  | 51936                        |           | 0.12      | 0.06  | 6232      | 3116  | 3116  | C  |           |       |       |                 |
| 84 | BC |       | 5    | TR   | COHO  | 9552                         |           | 0.07      | 0.06  | 669       | 573   | 96    | C  |           |       |       |                 |
| 84 | BC | 5 oth | GN   | COHO | 437   |                              |           | 0.03      |   | 13        | 0     | 13    | C  |           |       |       | k               |
| 84 | BC | 5 oth | SE   | COHO | 12333 |                              |           | 0.03      |   | 370       | 0     | 370   | C  |           |       |       | k               |
| 84 | BC | 5-11  | GN   | COHO | 6880  |                              |           | 0.03      | 0.07  | 206       | 482   | -275  | C  |           |       |       | k               |
| 84 | BC | 5-11  | SE   | COHO | 336   |                              |           | 0.03      | 0.07  | 10        | 24    | -13   | C  |           |       |       | k               |
| 84 | BC |       | 6    | TR   | COHO  | 41777                        |           | 0.07      | 0.06  | 2924      | 2507  | 418   | C  | 94610     | 78004 | 16606 |                 |
| 84 | BC |       | 1    | TR   | COHO  | 334648                       |           | 0.02      |   | 6693      | 0     | 6693  | D  |           |       |       |                 |
| 84 | BC |       | 2E   | TR   | COHO  | 29204                        |           | 0.02      |   | 584       | 0     | 584   | D  |           |       |       |                 |
| 84 | BC |       | 2W   | TR   | COHO  | 31017                        |           | 0.02      |   | 620       | 0     | 620   | D  |           |       |       |                 |
| 84 | BC |       | 3    | TR   | COHO  | 74739                        |           | 0.02      |   | 1495      | 0     | 1495  | D  |           |       |       | l               |
| 84 | BC |       | 4    | TR   | COHO  | 51936                        |           | 0.02      |   | 1039      | 0     | 1039  | D  |           |       |       |                 |
| 84 | BC |       | 5    | TR   | COHO  | 9552                         |           | 0.02      |   | 191       | 0     | 191   | D  |           |       |       |                 |
| 84 | BC |       | 6    | GN   | COHO  | 2573                         |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 6    | SE   | COHO  | 24257                        |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 6    | TR   | COHO  | 41777                        |           | 0.13      |   | 5431      | 0     | 5431  | D  |           |       |       |                 |
| 84 | BC |       | 7    | GN   | COHO  | 2643                         |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 7    | SE   | COHO  | 9679                         |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 7    | TR   | COHO  | 57443                        |           | 0.13      | 0.10  | 7468      | 5744  | 1723  | D  |           |       |       | m               |
| 84 | BC |       | 8    | GN   | COHO  | 7276                         |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 8    | SE   | COHO  | 5981                         |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 8    | TR   | COHO  | 18756                        |           | 0.13      | 0.10  | 2438      | 1876  | 563   | D  |           |       |       | m               |
| 84 | BC |       | 9    | GN   | COHO  | 6467                         |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 9    | SE   | COHO  | 0                            |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 9    | TR   | COHO  | 5256                         |           | 0.13      | 0.10  | 683       | 526   | 158   | D  |           |       |       | m               |
| 84 | BC |       | 10   | GN   | COHO  | 1494                         |           |           |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 10   | TR   | COHO  | 17924                        |           | 0.13      | 0.10  | 2330      | 1792  | 538   | D  |           |       |       | m               |
| 84 | BC |       | 11   | GN   | COHO  | 1032                         |           | 0.09      |   | 93        | 0     | 93    | D  |           |       |       |                 |
| 84 | BC |       | 11   | SE   | COHO  | 0                            |           | 0.09      |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 11   | TR   | COHO  | 175321                       |           | 0.13      | 0.10  | 22792     | 17532 | 5260  | D  |           |       |       |                 |
| 84 | BC |       | 12   | GN   | COHO  | 2649                         |           | 0.09      |   | 238       | 0     | 238   | D  |           |       |       |                 |
| 84 | BC |       | 12   | SE   | COHO  | 74940                        |           | 0.09      |   | 6745      | 0     | 6745  | D  |           |       |       |                 |
| 84 | BC |       | 12   | TR   | COHO  | 32856                        |           | 0.10      | 0.15  | 3286      | 4928  | -1643 | D  |           |       |       |                 |
| 84 | BC |       | 13   | GN   | COHO  | 2425                         |           | 0.09      |   | 218       | 0     | 218   | D  |           |       |       |                 |
| 84 | BC |       | 13   | SE   | COHO  | 20070                        |           | 0.09      |   | 1806      | 0     | 1806  | D  |           |       |       |                 |
| 84 | BC |       | 13   | TR   | COHO  | 16434                        |           | 0.10      | 0.08  | 1643      | 1315  | 329   | D  |           |       |       |                 |
| 84 | BC |       | 14   | GN   | COHO  | 3983                         |           | 0.30      |   | 1195      | 0     | 1195  | D  |           |       |       |                 |
| 84 | BC |       | 14   | SE   | COHO  | 5535                         |           | 0.30      |   | 1661      | 0     | 1661  | D  |           |       |       |                 |
| 84 | BC |       | 14   | TR   | COHO  | 51324                        |           | 0.10      | 0.08  | 5132      | 4106  | 1026  | D  |           |       |       |                 |
| 84 | BC |       | 15   | GN   | COHO  | 0                            |           | 0.30      |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 15   | SE   | COHO  | 0                            |           | 0.30      |   | 0         | 0     | 0     | D  |           |       |       |                 |
| 84 | BC |       | 15   | TR   | COHO  | 4303                         |           | 0.10      | 0.08  | 430       | 344   | 86    | D  |           |       |       |                 |
| 84 | BC |       | 16   | GN   | COHO  | 365                          |           | 0.30      |   | 110       | 0     | 110   | D  |           |       |       |                 |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 84      | BC      |           | 16        | SE        | COHO       | 3702                   |                                 | 0.30              |   | 1111              | 0          | 1111     | D  |                   |            |            |                         |
| 84      | BC      |           | 16        | TR        | COHO       | 917                    |                                 | 0.10              | 0.08  | 92                | 73         | 18       | D  |                   |            |            |                         |
| 84      | BC      |           | 17        | GN        | COHO       | 0                      |                                 | 0.30              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 17        | SE        | COHO       | 0                      |                                 | 0.30              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 17        | TR        | COHO       | 5375                   |                                 | 0.10              | 0.08  | 538               | 430        | 108      | D  |                   |            |            |                         |
| 84      | BC      |           | 18        | GN        | COHO       | 0                      |                                 | 0.30              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 18        | SE        | COHO       | 0                      |                                 | 0.30              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 18        | TR        | COHO       | 701                    |                                 | 0.10              | 0.08  | 70                | 56         | 14       | D  |                   |            |            |                         |
| 84      | BC      |           | 19        | GN        | COHO       | 0                      |                                 | 0.30              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 19        | SE        | COHO       | 0                      |                                 | 0.30              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 19        | TR        | COHO       | 0                      |                                 | 0.10              | 0.08  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 20        | GN        | COHO       | 11278                  |                                 | 0.73              | 0.45  | 8233              | 5075       | 3158     | D  |                   |            |            |                         |
| 84      | BC      |           | 20        | SE        | COHO       | 63581                  |                                 | 0.73              | 0.45  | 46414             | 28611      | 17803    | D  |                   |            |            |                         |
| 84      | BC      |           | 20        | TR        | COHO       | 3644                   |                                 | 0.88              | 0.50  | 3207              | 1822       | 1385     | D  |                   |            |            |                         |
| 84      | BC      |           | 21        | GN        | COHO       | 10                     |                                 | 0.03              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 21        | SE        | COHO       | 343                    |                                 | 0.03              |   | 10                | 0          | 10       | D  |                   |            |            |                         |
| 84      | BC      |           | 21        | TR        | COHO       | 262674                 |                                 | 0.70              | 0.43  | 183872            | 112950     | 70922    | D  |                   |            |            |                         |
| 84      | BC      |           | 22        | GN        | COHO       | 0                      |                                 | 0.03              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 22        | SE        | COHO       | 0                      |                                 | 0.03              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 22        | TR        | COHO       | 0                      |                                 | 0.70              | 0.43  | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 23        | GN        | COHO       | 6576                   |                                 | 0.03              |   | 197               | 0          | 197      | D  |                   |            |            |                         |
| 84      | BC      |           | 23        | SE        | COHO       | 859                    |                                 | 0.03              |   | 26                | 0          | 26       | D  |                   |            |            |                         |
| 84      | BC      |           | 23        | TR        | COHO       | 1079042                |                                 | 0.70              | 0.43  | 755329            | 463988     | 291341   | D  |                   |            |            |                         |
| 84      | BC      |           | 24        | GN        | COHO       | 0                      |                                 | 0.03              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 24        | SE        | COHO       | 0                      |                                 | 0.03              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 24        | TR        | COHO       | 326538                 |                                 | 0.70              | 0.43  | 228577            | 140411     | 88165    | D  |                   |            |            |                         |
| 84      | BC      |           | 25        | GN        | COHO       | 722                    |                                 | 0.03              |   | 22                | 0          | 22       | D  |                   |            |            |                         |
| 84      | BC      |           | 25        | SE        | COHO       | 1859                   |                                 | 0.03              |   | 56                | 0          | 56       | D  |                   |            |            |                         |
| 84      | BC      |           | 25        | TR        | COHO       | 126484                 |                                 | 0.36              | 0.25  | 45534             | 31621      | 13913    | D  |                   |            |            |                         |
| 84      | BC      |           | 26        | GN        | COHO       | 51                     |                                 | 0.03              |   | 2                 | 0          | 2        | D  |                   |            |            |                         |
| 84      | BC      |           | 26        | SE        | COHO       | 141                    |                                 | 0.03              |   | 4                 | 0          | 4        | D  |                   |            |            |                         |
| 84      | BC      |           | 26        | TR        | COHO       | 105662                 |                                 | 0.36              | 0.25  | 38038             | 26416      | 11623    | D  |                   |            |            |                         |
| 84      | BC      |           | 27        | GN        | COHO       | 0                      |                                 | 0.03              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 27        | SE        | COHO       | 0                      |                                 | 0.03              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 27        | SP        | COHO       |                        |                                 | 0.05              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 27        | TR        | COHO       | 271635                 |                                 | 0.36              | 0.25  | 97789             | 67909      | 29880    | D  |                   |            |            |                         |
| 84      | BC      |           | 28        | GN        | COHO       | 0                      |                                 | 0.30              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 28        | SE        | COHO       | 0                      |                                 | 0.30              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 28        | TR        | COHO       | 0                      |                                 | 0.10              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 29AB      | GN        | COHO       | 8426                   |                                 | 0.10              |   | 843               | 0          | 843      | D  |                   |            |            |                         |
| 84      | BC      |           | 29AB      | SE        | COHO       | 0                      |                                 | 0.10              |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 29AB      | TR        | COHO       | 1312                   |                                 | 0.10              | 0.08  | 131               | 105        | 26       | D  |                   |            |            |                         |
| 84      | BC      |           | 29C       | GN        | COHO       | 355                    |                                 |                   |   | 0                 | 0          | 0        | D  |                   |            |            |                         |
| 84      | BC      |           | 29C       | SE        | COHO       | 0                      |                                 |                   |   | 0                 | 0          | 0        | D  |                   |            |            |                         |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |              |              | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |              |       | CAT | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |              |        | Notes | Alaska<br>Hatchery |
|----|----|------|------|------|-------|------------------------------|--------------|--------------|--|--------------|-------|-----|--|--------------|--------|-------|--------------------|
|    |    |      |      |      |       | Adjusted<br>Catch            | U.S.<br>Est. | Can.<br>Est. | U.S.<br>Est.   | Can.<br>Est. | Diff. |     | U.S.<br>Est.                                       | Can.<br>Est. | Diff.  |       |                    |
| a  | b  | c    | d    | e    | f     | g                            | h            | i            | k  | l            | m     | o   | p  | q            | r      | t     | u                  |
| 84 | BC |      | 29C  | TR   | COHO  | 41                           |              |              | 0  | 0            | 0     | D   |  |              |        |       |                    |
| 84 | BC |      | 29D  | GN   | COHO  | 411                          |              |              | 0  | 0            | 0     | D   |  |              |        |       |                    |
| 84 | BC |      | 29D  | SE   | COHO  | 0                            |              |              | 0  | 0            | 0     | D   |  |              |        |       |                    |
| 84 | BC |      | 29D  | TR   | COHO  | 0                            |              |              | 0  | 0            | 0     | D   |  |              |        |       |                    |
| 84 | BC |      | 29E  | GN   | COHO  | 0                            |              |              | 0  | 0            | 0     | D   |  |              |        |       |                    |
| 84 | BC |      | 29E  | SE   | COHO  | 0                            |              |              | 0  | 0            | 0     | D   |  |              |        |       |                    |
| 84 | BC |      | 29E  | TR   | COHO  | 0                            |              |              | 0  | 0            | 0     | D   |  |              |        |       |                    |
| 84 | BC |      | 30   | TR   | COHO  | 11597                        | 0.13         | 0.10         | 1508   | 1160         | 348   | D   |  |              |        |       | n                  |
| 84 | BC |      | GS   | SP   | COHO  | 444000                       | 0.13         | 0.07         | 57720  | 31080        | 26640 | D   | 1543642  | 949870       | 593771 |       | o                  |
| 84 | WA |      | 01   | SP   | COHO  | 70965                        | 0.02         | 0.07         | 1419   | 4968         | -3548 | E   |  |              |        |       | p                  |
| 84 | WA |      | 01   | TR   | COHO  | 6649                         | 0.02         | 0.07         | 133  | 465          | -332  | E   |  |              |        |       | s                  |
| 84 | WA |      | 02   | SP   | COHO  | 10603                        | 0.01         | 0.10         | 106  | 1060         | -954  | E   |  |              |        |       | p                  |
| 84 | WA |      | 02   | TR   | COHO  | 1776                         | 0.01         | 0.25         | 18   | 444          | -426  | E   |  |              |        |       | q                  |
| 84 | WA |      | 03   | SP   | COHO  | 157                          |              | 0.30         | 0  | 47           | -47   | E   |  |              |        |       | p                  |
| 84 | WA |      | 03   | TR   | COHO  | 9892                         |              | 0.35         | 0  | 3462         | -3462 | E   |  |              |        |       | q                  |
| 84 | WA |      | 04   | GN   | COHO  | 0                            |              | 0.35         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 04   | SN   | COHO  | 0                            |              | 0.30         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 04   | SP   | COHO  | 6371                         | 0.29         | 0.35         | 1848   | 2230         | -382  | E   |  |              |        |       | p                  |
| 84 | WA |      | 04   | TR   | COHO  | 46975                        | 0.29         | 0.35         | 13623  | 16441        | -2819 | E   |  |              |        |       | q                  |
| 84 | WA |      | 04B  | GN   | COHO  | 12721                        | 0.20         | 0.35         | 2544   | 4452         | -1908 | E   |  |              |        |       | q                  |
| 84 | WA |      | 04B  | SN   | COHO  | 79                           | 0.20         | 0.35         | 16   | 28           | -12   | E   |  |              |        |       | q                  |
| 84 | WA |      | 04B  | TR   | COHO  | 1454                         | 0.09         | 0.35         | 131  | 509          | -378  | E   |  |              |        |       | q                  |
| 84 | WA |      | 05   | GN   | COHO  | 32830                        | 0.20         | 0.35         | 6566   | 11491        | -4925 | E   |  |              |        |       | q                  |
| 84 | WA |      | 05   | ON   | COHO  | 0                            | 0.20         | 0.35         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 05   | SE   | COHO  | 0                            | 0.20         | 0.35         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 05   | SN   | COHO  | 865                          | 0.20         | 0.30         | 173  | 260          | -87   | E   |  |              |        |       | q                  |
| 84 | WA |      | 05   | SP   | COHO  | 27270                        | 0.09         | 0.35         | 2454   | 9545         | -7090 | E   |  |              |        |       | p                  |
| 84 | WA |      | 05   | TR   | COHO  | 556                          | 0.09         | 0.35         | 50   | 195          | -145  | E   |  |              |        |       | q                  |
| 84 | WA |      | 06   | GN   | COHO  | 192                          | 0.20         | 0.35         | 38   | 67           | -29   | E   |  |              |        |       | q                  |
| 84 | WA |      | 06   | ON   | COHO  | 0                            | 0.20         | 0.35         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 06   | SE   | COHO  | 0                            | 0.20         | 0.35         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 06   | SN   | COHO  | 0                            | 0.09         | 0.30         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 06   | SP   | COHO  | 31213                        | 0.09         | 0.35         | 2809   | 10925        | -8115 | E   |  |              |        |       | p                  |
| 84 | WA |      | 06C  | GN   | COHO  | 53                           | 0.20         | 0.35         | 11   | 19           | -8    | E   |  |              |        |       | q                  |
| 84 | WA |      | 06C  | ON   | COHO  | 0                            | 0.20         | 0.35         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 06C  | SN   | COHO  | 347                          | 0.20         | 0.35         | 69   | 121          | -52   | E   |  |              |        |       | q                  |
| 84 | WA |      | 06C  | TR   | COHO  | 67                           | 0.09         | 0.01         | 6  | 1            | 5     | E   |  |              |        |       | q                  |
| 84 | WA |      | 06D  | GN   | COHO  | 0                            |              | 0.01         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 06D  | ON   | COHO  | 0                            |              | 0.01         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 06D  | SN   | COHO  | 0                            |              | 0.80         | 0  | 0            | 0     | E   |  |              |        |       | q                  |
| 84 | WA |      | 07   | GN   | COHO  | 2490                         | 0.29         | 0.80         | 722  | 1992         | -1270 | E   |  |              |        |       | q                  |
| 84 | WA |      | 07   | ON   | COHO  | 18                           | 0.29         | 0.80         | 5  | 14           | -9    | E   |  |              |        |       | q                  |
| 84 | WA |      | 07   | SE   | COHO  | 8497                         | 0.29         | 0.80         | 2464   | 6798         | -4333 | E   |  |              |        |       | q                  |
| 84 | WA |      | 07   | SN   | COHO  | 0                            | 0.29         | 0.85         | 0  | 0            | 0     | E   |  |              |        |       | q                  |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |
| 84      | WA      |           | 07        | SP        | COHO       | 4226                            |                   | 0.90              | 0   | 3803              | -3803      | E        |  |                   |            | p          |                         |
| 84      | WA      |           | 07A       | GN        | COHO       | 5898                            |                   | 0.22              | 1298  | 5308              | -4011      | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07A       | ON        | COHO       | 0                               |                   | 0.22              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07A       | SE        | COHO       | 7443                            |                   | 0.22              | 1637  | 6699              | -5061      | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07A       | SN        | COHO       | 3                               |                   | 0.22              | 1   | 0                 | 1          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07B       | GN        | COHO       | 60176                           |                   | 0.05              | 3009  | 602               | 2407       | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07B       | ON        | COHO       | 0                               |                   | 0.05              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07B       | SE        | COHO       | 8427                            |                   | 0.05              | 421   | 84                | 337        | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07B       | SN        | COHO       | 22426                           |                   | 0.05              | 1121  | 224               | 897        | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07C       | GN        | COHO       | 5                               |                   | 0.05              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07C       | SE        | COHO       | 0                               |                   | 0.05              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07C       | SN        | COHO       | 0                               |                   | 0.05              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07D       | GN        | COHO       | 43                              |                   | 0.01              | 0   | 0                 | -0         | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 07D       | SN        | COHO       | 30                              |                   | 0.01              | 0   | 0                 | -0         | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 08        | GN        | COHO       | 25798                           |                   | 0.01              | 258   | 258               | 0          | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 08        | ON        | COHO       | 891                             |                   | 0.01              | 9   | 9                 | 0          | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 08        | SE        | COHO       | 12303                           |                   | 0.01              | 123   | 123               | 0          | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 08        | SN        | COHO       | 427                             |                   | 0.01              | 4   | 21                | -17        | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 08        | SP        | COHO       | 6575                            |                   | 0.01              | 0   | 66                | -66        | E        |  |                   |            | p          |                         |
| 84      | WA      |           | 09        | GN        | COHO       | 516                             |                   | 0.01              | 0   | 5                 | -5         | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 09        | ON        | COHO       | 0                               |                   | 0.01              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 09        | SE        | COHO       | 0                               |                   | 0.01              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 09        | SN        | COHO       | 3434                            |                   | 0.05              | 0   | 172               | -172       | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 09        | SP        | COHO       | 36032                           |                   | 0.02              | 721   | 360               | 360        | E        |  |                   |            | p          |                         |
| 84      | WA      |           | 09A       | GN        | COHO       | 0                               |                   | 0.01              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 09A       | ON        | COHO       | 0                               |                   | 0.01              | 0   | 0                 | 0          | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 09A       | SN        | COHO       | 10574                           |                   | 0.01              | 0   | 106               | -106       | E        |  |                   |            | q          |                         |
| 84      | WA      |           | 10        | GN        | COHO       | 116253                          |                   | 0.01              | 0   | 1163              | -1163      | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 10        | ON        | COHO       | 0                               |                   | 0.01              | 0   | 0                 | 0          | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 10        | SE        | COHO       | 88547                           |                   | 0.01              | 0   | 885               | -885       | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 10        | SN        | COHO       | 2670                            |                   | 0.05              | 0   | 134               | -134       | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 10        | SP        | COHO       | 12545                           |                   | 0.01              | 125   | 125               | 0          | E        |  |                   |            | p          |                         |
| 84      | WA      |           | 11        | GN        | COHO       | 40074                           |                   | 0.01              | 0   | 401               | -401       | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 11        | ON        | COHO       | 5                               |                   | 0.01              | 0   | 0                 | -0         | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 11        | SE        | COHO       | 63495                           |                   | 0.01              | 0   | 635               | -635       | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 11        | SN        | COHO       | 282                             |                   | 0.05              | 0   | 14                | -14        | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 11        | SP        | COHO       | 11839                           |                   | 0.01              | 118   | 118               | 0          | E        |  |                   |            | p          |                         |
| 84      | WA      |           | 12        | GN        | COHO       | 7500                            |                   | 0.01              | 0   | 75                | -75        | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 12        | ON        | COHO       | 39                              |                   | 0.01              | 0   | 0                 | -0         | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 12        | SE        | COHO       | 20749                           |                   | 0.01              | 0   | 207               | -207       | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 12        | SN        | COHO       | 11823                           |                   | 0.05              | 0   | 591               | -591       | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 12        | SP        | COHO       | 1176                            |                   | 0.01              | 0   | 12                | -12        | E        |  |                   |            | p          |                         |
| 84      | WA      |           | 13        | GN        | COHO       | 16706                           |                   | 0.01              | 0   | 167               | -167       | E        |  |                   |            | q/?        |                         |
| 84      | WA      |           | 13        | ON        | COHO       | 0                               |                   | 0.01              | 0   | 0                 | 0          | E        |  |                   |            | q/?        |                         |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |                   | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |                   | Notes<br>t | Alaska<br>Hatchery<br>u |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|---|-------------------|-------------------|----------|--|-------------------|-------------------|------------|-------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i                                 | U.S.<br>Est.<br>k | Can.<br>Est.<br>l |          | Diff.<br>m   | U.S.<br>Est.<br>p | Can.<br>Est.<br>q |            |                         |
| 84      | WA      |           | 13        | SE        | COHO       | 472                             |                   | 0.01  | 0                 | 5                 | -5       | E  |                   |                   |            | q/?                     |
| 84      | WA      |           | 13        | SN        | COHO       | 23552                           |                   | 0.05  | 0                 | 1178              | -1178    | E  |                   |                   |            | q/?                     |
| 84      | WA      |           | 13        | SP        | COHO       | 9851                            |                   | 0.01  | 99                | 493               | -394     | E  |                   |                   |            | p                       |
| 84      | WA      |           | 54        | TR        | COHO       | 0                               |                   |   | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 84      | WA      |           | 61        | TR        | COHO       | 200                             |                   | 0.02  | 4                 | 0                 | 4        | E  |                   |                   |            | s                       |
| 84      | WA      |           | 62        | TR        | COHO       | 0                               |                   | 0.02  | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 84      | OR      |           | 01        | TR        | COHO       | 200                             |                   | 0.01  | 2                 | 2                 | 0        | E  |                   |                   |            | s                       |
| 84      | OR      |           | 02        | SP        | COHO       | 10900                           |                   | 0.02  | 218               | 109               | 109      | E  |                   |                   |            | s                       |
| 84      | OR      |           | 02        | TR        | COHO       | 13900                           |                   | 0.02  | 278               | 139               | 139      | E  |                   |                   |            | s                       |
| 84      | OR      |           | 03        | SP        | COHO       | 20300                           |                   | 0.02  | 406               | 203               | 203      | E  |                   |                   |            | s                       |
| 84      | OR      |           | 03        | TR        | COHO       | 0                               |                   | 0.02  | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 84      | OR      |           | 04        | SP        | COHO       | 41200                           |                   | 0.02  | 824               | 412               | 412      | E  |                   |                   |            | s                       |
| 84      | OR      |           | 04        | TR        | COHO       | 0                               |                   | 0.02  | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 84      | OR      |           | 05        | SP        | COHO       | 39400                           |                   | 0.02  | 788               | 394               | 394      | E  |                   |                   |            | s                       |
| 84      | OR      |           | 05        | TR        | COHO       | 0                               |                   | 0.02  | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 84      | OR      |           | 06        | SP        | COHO       | 11500                           |                   | 0.02  | 230               | 115               | 115      | E  |                   |                   |            | s                       |
| 84      | OR      |           | 06        | TR        | COHO       | 0                               |                   | 0.02  | 0                 | 0                 | 0        | E  |                   |                   |            | s                       |
| 84      | OR      |           | 07        | TR        | COHO       | 0                               |                   | 0.02  | 0                 | 0                 | 0        | E  | 46900             | 100950            | -54050     | s                       |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear     | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |           |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |         | CAT   | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |         | Notes | Alaska Hatchery | Alaska Special Harvest |
|----|----|------|----------|------|--------|------------------------------|-----------|-----------|--|-----------|---------|-------|--|-----------|---------|-------|-----------------|------------------------|
|    |    |      |          |      |        | Adjusted Catch               | U.S. Est. | Can. Est. | U.S. Est.  | Can. Est. | Diff.   |       | U.S. Est.  | Can. Est. | Diff.   |       |                 |                        |
| a  | b  | c    | d        | e    | f      | g                            | h         | i         | k  | l         | m       | o     | p  | q         | r       | t     | u               | v                      |
| 85 | AK |      | ALL      | SP   | COHO   |                              | 0         |           |  | 0         | 0       | 0     | A  |           |         |       | a               |                        |
| 85 | AK | 101  | ANN      | GN   | COHO   | 23217                        | 23217     | 0.44      | 0.55   | 10215     | 12769   | -2554 | A  |           |         |       | b,c,d           |                        |
| 85 | AK | 101  | ANN      | OG   | COHO   | 7031                         | 7031      | 0.13      | 0.25   | 914       | 1758    | -844  | A  |           |         |       | b,c,d           |                        |
| 85 | AK | 101  | ANN      | SE   | COHO   | 3911                         | 3911      | 0.13      | 0.25   | 508       | 978     | -469  | A  |           |         |       | b,c,d           |                        |
| 85 | AK | 101  | GN       | COHO | 76050  | 65430                        | 0.44      | 0.55      | 28789  | 41828     | -13038  | A     |  |           |         | b,c   | 8836            | 1784                   |
| 85 | AK | 101  | SE       | COHO | 105994 | 83002                        | 0.13      | 0.25      | 10790  | 26499     | -15708  | A     |  |           |         | b,c   | 18107           | 4885                   |
| 85 | AK | 101  | TR       | COHO | 86439  | 79511                        | 0.13      | 0.25      | 10336  | 21610     | -11273  | A     |  |           |         | b,c   | 6928            |                        |
| 85 | AK | 102  | SE       | COHO | 50686  | 45450                        | 0.18      | 0.35      | 8181   | 17740     | -9559   | A     |  |           |         | b,c   | 5236            |                        |
| 85 | AK | 102  | TR       | COHO | 30880  | 29484                        | 0.18      | 0.35      | 5307   | 10808     | -5501   | A     |  |           |         | b,c   | 1396            |                        |
| 85 | AK | 103  | SE       | COHO | 48108  | 43283                        | 0.03      | 0.10      | 1298   | 4811      | -3512   | A     |  |           |         | b,c   | 4825            |                        |
| 85 | AK | 103  | TR       | COHO | 101049 | 89262                        | 0.03      | 0.10      | 2678   | 10105     | -7427   | A     |  |           |         | b,c   | 11787           |                        |
| 85 | AK | 104  | SE       | COHO | 129183 | 114015                       | 0.17      | 0.35      | 19383  | 45214     | -25831  | A     |  |           |         | b,c   | 15168           |                        |
| 85 | AK | 104  | TR       | COHO | 167246 | 138261                       | 0.17      | 0.35      | 23504  | 58536     | -35032  | A     |  |           |         | b,c   | 28985           |                        |
| 85 | AK | 105  | SE       | COHO | 4468   | 4431                         | 0.04      | 0.08      | 177  | 357       | -180    | A     |  |           |         | b,c   | 37              |                        |
| 85 | AK | 105  | TR       | COHO | 28200  | 28200                        | 0.04      | 0.08      | 1128   | 2256      | -1128   | A     |  |           |         | b,c   |                 |                        |
| 85 | AK | 106  | GN       | COHO | 97637  | 79376                        | 0.04      | 0.08      | 3175   | 7811      | -4636   | A     |  |           |         | b,c,e | 11844           | 6417                   |
| 85 | AK | 109  | SE       | COHO | 21367  | 21089                        | 0.09      | 0.10      | 1898   | 2137      | -239    | A     |  |           |         | b,c   | 278             |                        |
| 85 | AK | 109  | TR       | COHO | 62059  | 57604                        | 0.09      | 0.10      | 5184   | 6206      | -1022   | A     |  |           |         | b,c   | 4455            |                        |
| 85 | AK | 113  | SE       | COHO | 15749  | 15519                        | 0.09      | 0.09      | 1397   | 1417      | -21     | A     |  |           |         | b,c   | 230             |                        |
| 85 | AK | 113  | TR       | COHO | 606750 | 563036                       | 0.09      | 0.45      | 50673  | 273038    | -222364 | A     |  |           |         | b,c   | 43714           |                        |
| 85 | AK | 116  | TR       | COHO | 127087 | 124501                       | 0.07      | 0.09      | 8715   | 11438     | -2723   | A     |  |           |         | b,c   | 2586            |                        |
| 85 | AK | 152  | TR       | COHO | 1761   | 1682                         | 0.17      | 0.35      | 286  | 616       | -330    | A     |  |           |         | b,c   | 79              |                        |
| 85 | AK | 154  | TR       | COHO | 27195  | 26100                        | 0.09      | 0.45      | 2349   | 12238     | -9889   | A     |  |           |         | b,c   | 1095            |                        |
| 85 | AK | 156  | TR       | COHO | 4588   | 4588                         | 0.07      | 0.09      | 321  | 413       | -92     | A     |  |           |         | b,c   |                 |                        |
| 85 | AK | 157  | TR       | COHO | 4230   | 4190                         | 0.07      | 0.09      | 293  | 381       | -87     | A     |  |           |         | b,c   | 40              |                        |
| 85 | AK | 181  | TR       | COHO | 79252  | 78661                        | 0.03      | 0.09      | 2360   | 7133      | -4773   | A     |  |           |         | b,c   | 591             |                        |
| 85 | AK | 189  | TR       | COHO | 44002  | 43776                        | 0.03      | 0.09      | 1313   | 3960      | -2647   | A     | 201175   | 582055    | -380879 | b,c,f | 226             |                        |
| 85 | BC |      | 1        | GN   | COHO   | 112                          |           | 0.07      | 0.07   | 8         | 8       | 0     | C  |           |         |       | g               |                        |
| 85 | BC |      | 1        | SE   | COHO   | 20787                        |           | 0.07      | 0.07   | 1455      | 1455    | 0     | C  |           |         |       | g               |                        |
| 85 | BC |      | 1        | TR   | COHO   | 330665                       |           | 0.16      | 0.15   | 52906     | 49600   | 3307  | C  |           |         |       |                 |                        |
| 85 | BC |      | 2E       | GN   | COHO   | 12978                        |           | 0.08      |  | 1038      | 0       | 1038  | C  |           |         |       |                 |                        |
| 85 | BC |      | 2E       | SE   | COHO   | 11429                        |           | 0.08      |  | 914       | 0       | 914   | C  |           |         |       |                 |                        |
| 85 | BC |      | 2E       | TR   | COHO   | 40940                        |           | 0.17      | 0.17   | 6960      | 6960    | 0     | C  |           |         |       |                 |                        |
| 85 | BC |      | 2W       | GN   | COHO   | 71                           |           |           |  | 0         | 0       | 0     | C  |           |         |       | h               |                        |
| 85 | BC |      | 2W       | SE   | COHO   | 3669                         |           |           |  | 0         | 0       | 0     | C  |           |         |       | h               |                        |
| 85 | BC |      | 2W       | TR   | COHO   | 39515                        |           | 0.16      | 0.15   | 6322      | 5927    | 395   | C  |           |         |       |                 |                        |
| 85 | BC |      | 3        | TR   | COHO   | 47208                        |           | 0.16      | 0.08   | 7553      | 3777    | 3777  | C  |           |         |       | i               |                        |
| 85 | BC |      | 3-1      | GN   | COHO   | 4712                         |           | 0.20      | 0.16   | 942       | 754     | 188   | C  |           |         |       | j               |                        |
| 85 | BC |      | 3-1      | SE   | COHO   | 24453                        |           | 0.20      | 0.16   | 4891      | 3912    | 978   | C  |           |         |       | j               |                        |
| 85 | BC |      | 3-(2-4)  | GN   | COHO   | 964                          |           | 0.09      | 0.08   | 87        | 77      | 10    | C  |           |         |       | j               |                        |
| 85 | BC |      | 3-(2-4)  | SE   | COHO   | 9310                         |           | 0.09      | 0.08   | 838       | 745     | 93    | C  |           |         |       | j               |                        |
| 85 | BC |      | 3-(7-17) | GN   | COHO   | 5897                         |           | 0.04      |  | 236       | 0       | 236   | C  |           |         |       | j               |                        |
| 85 | BC |      | 3-(7-17) | SE   | COHO   | 6503                         |           | 0.04      |  | 260       | 0       | 260   | C  |           |         |       | j               |                        |
| 85 | BC |      | 4        | GN   | COHO   | 55392                        |           | 0.01      |  | 554       | 0       | 554   | C  |           |         |       |                 |                        |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area  | Gear | Spec | Catch | Adjusted Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |       | CAT | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |       | Notes | Alaska Hatchery | Alaska Special Harvest |
|----|----|-------|------|------|-------|----------------|------------------------------|-----------|--|-----------|-------|-----|--|-----------|-------|-------|-----------------|------------------------|
|    |    |       |      |      |       |                | U.S. Est.                    | Can. Est. | U.S. Est.  | Can. Est. | Diff. |     | U.S. Est.  | Can. Est. | Diff. |       |                 |                        |
| a  | b  | c     | d    | e    | f     | g              | h                            | i         | k  | l         | m     | o   | p  | q         | r     | t     | u               | v                      |
| 85 | BC |       | 4    | SE   | COHO  | 14833          |                              | 0.01      | 148  | 0         | 148   | C   |  |           |       |       |                 |                        |
| 85 | BC |       | 4    | TR   | COHO  | 46431          |                              | 0.12      | 5572   | 2786      | 2786  | C   |  |           |       |       |                 |                        |
| 85 | BC |       | 5    | TR   | COHO  | 22953          |                              | 0.07      | 1607   | 1377      | 230   | C   |  |           |       |       |                 |                        |
| 85 | BC | 5 oth | GN   | COHO | 1679  |                |                              | 0.03      | 50   | 0         | 50    | C   |  |           |       | k     |                 |                        |
| 85 | BC | 5 oth | SE   | COHO | 3087  |                |                              | 0.03      | 93   | 0         | 93    | C   |  |           |       | k     |                 |                        |
| 85 | BC | 5-11  | GN   | COHO | 406   |                |                              | 0.03      | 12   | 28        | -16   | C   |  |           |       | k     |                 |                        |
| 85 | BC | 5-11  | SE   | COHO | 68    |                |                              | 0.03      | 2  | 5         | -3    | C   |  |           |       | k     |                 |                        |
| 85 | BC |       | 6    | TR   | COHO  | 11684          |                              | 0.07      | 818  | 701       | 117   | C   | 93267  | 78112     | 15155 |       |                 |                        |
| 85 | BC |       | 1    | TR   | COHO  | 330665         |                              | 0.02      | 6613   | 0         | 6613  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 2E   | TR   | COHO  | 40940          |                              | 0.02      | 819  | 0         | 819   | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 2W   | TR   | COHO  | 39515          |                              | 0.02      | 790  | 0         | 790   | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 3    | TR   | COHO  | 47208          |                              | 0.02      | 944  | 0         | 944   | D   |  |           |       | l     |                 |                        |
| 85 | BC |       | 4    | TR   | COHO  | 46431          |                              | 0.02      | 929  | 0         | 929   | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 5    | TR   | COHO  | 22953          |                              | 0.02      | 459  | 0         | 459   | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 6    | TR   | COHO  | 11684          |                              | 0.13      | 1519   | 0         | 1519  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 6    | SE   | COHO  | 29548          |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 6    | GN   | COHO  | 6857           |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 7    | TR   | COHO  | 23924          |                              | 0.13      | 3110   | 2392      | 718   | D   |  |           |       | m     |                 |                        |
| 85 | BC |       | 7    | GN   | COHO  | 8098           |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 7    | SE   | COHO  | 13577          |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 8    | SE   | COHO  | 15404          |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 8    | GN   | COHO  | 10404          |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 8    | TR   | COHO  | 8111           |                              | 0.13      | 1054   | 811       | 243   | D   |  |           |       | m     |                 |                        |
| 85 | BC |       | 9    | SE   | COHO  | 0              |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 9    | GN   | COHO  | 3950           |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 9    | TR   | COHO  | 2254           |                              | 0.13      | 293  | 225       | 68    | D   |  |           |       | m     |                 |                        |
| 85 | BC |       | 10   | GN   | COHO  | 9060           |                              |           | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 10   | TR   | COHO  | 8279           |                              | 0.13      | 1076   | 828       | 248   | D   |  |           |       | m     |                 |                        |
| 85 | BC |       | 11   | GN   | COHO  | 1573           |                              | 0.05      | 79   | 0         | 79    | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 11   | SE   | COHO  | 0              |                              | 0.05      | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 11   | TR   | COHO  | 72609          |                              | 0.13      | 9439   | 7261      | 2178  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 12   | SE   | COHO  | 86922          |                              | 0.05      | 4346   | 0         | 4346  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 12   | TR   | COHO  | 8378           |                              | 0.32      | 2681   | 1257      | 1424  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 12   | GN   | COHO  | 30898          |                              | 0.05      | 1545   | 0         | 1545  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 13   | TR   | COHO  | 32230          |                              | 0.32      | 10314  | 2578      | 7735  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 13   | GN   | COHO  | 3025           |                              | 0.05      | 151  | 0         | 151   | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 13   | SE   | COHO  | 24812          |                              | 0.05      | 1241   | 0         | 1241  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 14   | GN   | COHO  | 22055          |                              | 0.13      | 2867   | 0         | 2867  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 14   | TR   | COHO  | 121401         |                              | 0.32      | 38848  | 9712      | 29136 | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 14   | SE   | COHO  | 70             |                              | 0.13      | 9  | 0         | 9     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 15   | SE   | COHO  | 0              |                              | 0.13      | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 15   | TR   | COHO  | 4180           |                              | 0.32      | 1338   | 334       | 1003  | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 15   | GN   | COHO  | 0              |                              | 0.13      | 0  | 0         | 0     | D   |  |           |       |       |                 |                        |
| 85 | BC |       | 16   | GN   | COHO  | 4947           |                              | 0.13      | 643  | 0         | 643   | D   |  |           |       |       |                 |                        |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |              |              | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |              |        | CAT    | ---- INTERCEPTION ----<br>---- CATEGORY SUMMARY ---- |              |       | Notes | Alaska<br>Hatchery | Alaska<br>Special<br>Harvest |
|----|----|------|------|------|-------|------------------------------|--------------|--------------|---|--------------|--------|--------|--|--------------|-------|-------|--------------------|------------------------------|
|    |    |      |      |      |       | Adjusted<br>Catch            | U.S.<br>Est. | Can.<br>Est. | U.S.<br>Est.                                      | Can.<br>Est. | Diff.  |        | U.S.<br>Est.   | Can.<br>Est. | Diff. |       |                    |                              |
| a  | b  | c    | d    | e    | f     | g                            | h            | i            | k   | l            | m      | o      | p  | q            | r     |       |                    |                              |
| 85 | BC |      | 16   | TR   | COHO  | 5337                         |              | 0.32         | 0.08  | 1708         | 427    | 1281   | D  |              |       |       |                    |                              |
| 85 | BC |      | 16   | SE   | COHO  | 4702                         |              | 0.13         |   | 611          | 0      | 611    | D  |              |       |       |                    |                              |
| 85 | BC |      | 17   | GN   | COHO  | 0                            |              | 0.13         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 17   | TR   | COHO  | 12008                        |              | 0.32         | 0.08  | 3843         | 961    | 2882   | D  |              |       |       |                    |                              |
| 85 | BC |      | 17   | SE   | COHO  | 0                            |              | 0.13         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 18   | TR   | COHO  | 2987                         |              | 0.32         | 0.08  | 956          | 239    | 717    | D  |              |       |       |                    |                              |
| 85 | BC |      | 18   | SE   | COHO  | 0                            |              | 0.13         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 18   | GN   | COHO  | 0                            |              | 0.13         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 19   | GN   | COHO  | 9                            |              | 0.13         |   | 1            | 0      | 1      | D  |              |       |       |                    |                              |
| 85 | BC |      | 19   | TR   | COHO  | 0                            |              | 0.32         | 0.08  | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 19   | SE   | COHO  | 0                            |              | 0.13         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 20   | GN   | COHO  | 45150                        |              | 0.69         | 0.45  | 31153        | 20318  | 10836  | D  |              |       |       |                    |                              |
| 85 | BC |      | 20   | TR   | COHO  | 309                          |              | 0.89         | 0.50  | 275          | 155    | 121    | D  |              |       |       |                    |                              |
| 85 | BC |      | 20   | SE   | COHO  | 179607                       |              | 0.69         | 0.45  | 123929       | 80823  | 43106  | D  |              |       |       |                    |                              |
| 85 | BC |      | 21   | TR   | COHO  | 212936                       |              | 0.71         | 0.43  | 151185       | 91562  | 59622  | D  |              |       |       |                    |                              |
| 85 | BC |      | 21   | GN   | COHO  | 313                          |              | 0.17         |   | 53           | 0      | 53     | D  |              |       |       |                    |                              |
| 85 | BC |      | 21   | SE   | COHO  | 936                          |              | 0.17         |   | 159          | 0      | 159    | D  |              |       |       |                    |                              |
| 85 | BC |      | 22   | GN   | COHO  | 0                            |              | 0.17         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 22   | TR   | COHO  | 0                            |              | 0.71         | 0.43  | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 22   | SE   | COHO  | 0                            |              | 0.17         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 23   | GN   | COHO  | 3537                         |              | 0.17         |   | 601          | 0      | 601    | D  |              |       |       |                    |                              |
| 85 | BC |      | 23   | TR   | COHO  | 506844                       |              | 0.71         | 0.43  | 359859       | 217943 | 141916 | D  |              |       |       |                    |                              |
| 85 | BC |      | 23   | SE   | COHO  | 64                           |              | 0.17         |   | 11           | 0      | 11     | D  |              |       |       |                    |                              |
| 85 | BC |      | 24   | GN   | COHO  | 1                            |              | 0.17         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 24   | SE   | COHO  | 0                            |              | 0.17         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 24   | TR   | COHO  | 292295                       |              | 0.71         | 0.43  | 207529       | 125687 | 81843  | D  |              |       |       |                    |                              |
| 85 | BC |      | 25   | TR   | COHO  | 87943                        |              | 0.62         | 0.25  | 54525        | 21986  | 32539  | D  |              |       |       |                    |                              |
| 85 | BC |      | 25   | SE   | COHO  | 2162                         |              | 0.17         |   | 368          | 0      | 368    | D  |              |       |       |                    |                              |
| 85 | BC |      | 25   | GN   | COHO  | 420                          |              | 0.17         |   | 71           | 0      | 71     | D  |              |       |       |                    |                              |
| 85 | BC |      | 26   | TR   | COHO  | 114180                       |              | 0.62         | 0.25  | 70792        | 28545  | 42247  | D  |              |       |       |                    |                              |
| 85 | BC |      | 26   | SE   | COHO  | 50                           |              | 0.17         |   | 9            | 0      | 9      | D  |              |       |       |                    |                              |
| 85 | BC |      | 26   | GN   | COHO  | 26                           |              | 0.17         |   | 4            | 0      | 4      | D  |              |       |       |                    |                              |
| 85 | BC |      | 27   | GN   | COHO  | 0                            |              | 0.17         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 27   | SP   | COHO  | 0                            |              | 0.05         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 27   | SE   | COHO  | 0                            |              | 0.17         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 27   | TR   | COHO  | 174838                       |              | 0.62         | 0.25  | 108400       | 43710  | 64690  | D  |              |       |       |                    |                              |
| 85 | BC |      | 28   | SE   | COHO  | 0                            |              | 0.13         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 28   | TR   | COHO  | 0                            |              | 0.32         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 28   | GN   | COHO  | 0                            |              | 0.13         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 29AB | TR   | COHO  | 13048                        |              | 0.32         | 0.08  | 4175         | 1044   | 3132   | D  |              |       |       |                    |                              |
| 85 | BC |      | 29AB | GN   | COHO  | 14073                        |              | 0.18         |   | 2533         | 0      | 2533   | D  |              |       |       |                    |                              |
| 85 | BC |      | 29AB | SE   | COHO  | 0                            |              | 0.18         |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 29C  | GN   | COHO  | 138                          |              |              |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |
| 85 | BC |      | 29C  | TR   | COHO  | 0                            |              |              |   | 0            | 0      | 0      | D  |              |       |       |                    |                              |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |              |              | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |              |        | CAT | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |              |        | Notes | Alaska<br>Hatchery | Alaska<br>Special<br>Harvest |
|----|----|------|------|------|-------|------------------------------|--------------|--------------|--|--------------|--------|-----|--|--------------|--------|-------|--------------------|------------------------------|
|    |    |      |      |      |       | Adjusted<br>Catch            | U.S.<br>Est. | Can.<br>Est. | U.S.<br>Est.   | Can.<br>Est. | Diff.  |     | U.S.<br>Est.                                       | Can.<br>Est. | Diff.  |       |                    |                              |
| a  | b  | c    | d    | e    | f     | g                            | h            | i            | k  | l            | m      | o   | p  | q            | r      | t     | u                  | v                            |
| 85 | BC |      | 29C  | SE   | COHO  | 0                            |              |              | 0  | 0            | 0      | D   |  |              |        |       |                    |                              |
| 85 | BC |      | 29D  | GN   | COHO  | 3968                         |              |              | 0  | 0            | 0      | D   |  |              |        |       |                    |                              |
| 85 | BC |      | 29D  | TR   | COHO  | 0                            |              |              | 0  | 0            | 0      | D   |  |              |        |       |                    |                              |
| 85 | BC |      | 29D  | SE   | COHO  | 0                            |              |              | 0  | 0            | 0      | D   |  |              |        |       |                    |                              |
| 85 | BC |      | 29E  | TR   | COHO  | 0                            |              |              | 0  | 0            | 0      | D   |  |              |        |       |                    |                              |
| 85 | BC |      | 29E  | GN   | COHO  | 0                            |              |              | 0  | 0            | 0      | D   |  |              |        |       |                    |                              |
| 85 | BC |      | 29E  | SE   | COHO  | 0                            |              |              | 0  | 0            | 0      | D   |  |              |        |       |                    |                              |
| 85 | BC |      | 30   | TR   | COHO  | 0                            | 0.13         | 0.10         | 0  | 0            | 0      | D   |  |              |        |       |                    | n                            |
| 85 | BC |      | GS   | SP   | COHO  | 728000                       | 0.23         | 0.07         | 167440   | 50960        | 116480 | D   | 1381298  | 709757       | 671540 |       |                    | o                            |
| 85 | WA |      | 01   | SP   | COHO  | 85188                        | 0.03         | 0.07         | 2556   | 5963         | -3408  | E   |  |              |        |       |                    | s                            |
| 85 | WA |      | 01   | TR   | COHO  | 14340                        | 0.03         | 0.07         | 430  | 1004         | -574   | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 02   | SP   | COHO  | 73838                        | 0.08         | 0.07         | 5907   | 5169         | 738    | E   |  |              |        |       |                    | p                            |
| 85 | WA |      | 02   | TR   | COHO  | 86109                        | 0.08         | 0.10         | 6889   | 8611         | -1722  | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 03   | SP   | COHO  | 1720                         | 0.16         | 0.25         | 275  | 430          | -155   | E   |  |              |        |       |                    | p                            |
| 85 | WA |      | 03   | TR   | COHO  | 64654                        | 0.16         | 0.30         | 10345  | 19396        | -9052  | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 04   | GN   | COHO  | 3                            | 0.00         | 0.35         | 0  | 1            | -1     | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 04   | SN   | COHO  | 0                            | 0.00         | 0.35         | 0  | 0            | 0      | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 04   | SP   | COHO  | 23594                        | 0.11         | 0.30         | 2595   | 7078         | -4483  | E   |  |              |        |       |                    | p                            |
| 85 | WA |      | 04   | TR   | COHO  | 51608                        | 0.11         | 0.35         | 5677   | 18063        | -12386 | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 04B  | GN   | COHO  | 16819                        | 0.15         | 0.35         | 2523   | 5887         | -3364  | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 04B  | SN   | COHO  | 205                          | 0.15         | 0.35         | 31   | 72           | -41    | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 04B  | TR   | COHO  | 623                          | 0.05         | 0.35         | 31   | 218          | -187   | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 05   | GN   | COHO  | 66219                        | 0.15         | 0.35         | 9933   | 23177        | -13244 | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 05   | ON   | COHO  | 0                            | 0.15         | 0.35         | 0  | 0            | 0      | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 05   | SE   | COHO  | 0                            | 0.15         | 0.35         | 0  | 0            | 0      | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 05   | SN   | COHO  | 1591                         | 0.15         | 0.35         | 239  | 557          | -318   | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 05   | SP   | COHO  | 72065                        | 0.05         | 0.30         | 3603   | 21620        | -18016 | E   |  |              |        |       |                    | p                            |
| 85 | WA |      | 05   | TR   | COHO  | 1304                         | 0.05         | 0.35         | 65   | 456          | -391   | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06   | GN   | COHO  | 1064                         | 0.15         | 0.35         | 160  | 372          | -213   | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06   | ON   | COHO  | 0                            | 0.15         | 0.35         | 0  | 0            | 0      | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06   | SN   | COHO  | 0                            | 0.15         | 0.35         | 0  | 0            | 0      | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06   | SP   | COHO  | 16861                        | 0.05         | 0.35         | 843  | 5901         | -5058  | E   |  |              |        |       |                    | p                            |
| 85 | WA |      | 06   | TR   | COHO  | 1                            | 0.05         | 0.30         | 0  | 0            | -0     | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06C  | GN   | COHO  | 1060                         | 0.15         | 0.35         | 159  | 371          | -212   | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06C  | ON   | COHO  | 11                           | 0.15         | 0.35         | 2  | 4            | -2     | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06C  | SN   | COHO  | 68                           | 0.15         | 0.35         | 10   | 24           | -14    | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06C  | TR   | COHO  | 86                           | 0.05         | 0.35         | 4  | 30           | -26    | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06D  | GN   | COHO  | 148                          |              | 0.01         | 0  | 1            | -1     | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06D  | ON   | COHO  | 0                            |              | 0.01         | 0  | 0            | 0      | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 06D  | SN   | COHO  | 980                          |              | 0.01         | 0  | 10           | -10    | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 07   | GN   | COHO  | 20875                        | 0.22         | 0.80         | 4593   | 16700        | -12108 | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 07   | ON   | COHO  | 1602                         | 0.22         | 0.80         | 352  | 1282         | -929   | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 07   | SE   | COHO  | 75704                        | 0.22         | 0.80         | 16655  | 60563        | -43908 | E   |  |              |        |       |                    | q                            |
| 85 | WA |      | 07   | SN   | COHO  | 21                           | 0.22         | 0.80         | 5  | 17           | -12    | E   |  |              |        |       |                    | q                            |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |                   | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |                   | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|--|-------------------|-------------------|----------|--|-------------------|-------------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i                                    | U.S.<br>Est.<br>k | Can.<br>Est.<br>l |          | Diff.<br>m   | U.S.<br>Est.<br>p | Can.<br>Est.<br>q |            |                         |                                   |
| 85      | WA      |           | 07        | SP        | COHO       | 8612                            |                   | 0.04   | 0.85              | 344               | 7320     | -6976  | E                 |                   |            |                         | p                                 |
| 85      | WA      |           | 07A       | GN        | COHO       | 18975                           |                   | 0.33   | 0.90              | 6262              | 17078    | -10816   | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07A       | ON        | COHO       | 0                               |                   | 0.33   | 0.90              | 0                 | 0        | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07A       | SE        | COHO       | 23422                           |                   | 0.33   | 0.90              | 7729              | 21080    | -13351   | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07A       | SN        | COHO       | 226                             |                   | 0.33   | 0.90              | 75                | 203      | -129   | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07B       | GN        | COHO       | 86887                           |                   | 0.01   | 0.01              | 869               | 869      | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07B       | ON        | COHO       | 0                               |                   | 0.01   | 0.01              | 0                 | 0        | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07B       | SE        | COHO       | 7829                            |                   | 0.01   | 0.01              | 78                | 78       | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07B       | SN        | COHO       | 27559                           |                   | 0.01   | 0.01              | 276               | 276      | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07C       | GN        | COHO       | 198                             |                   | 0.01   | 0.01              | 2                 | 2        | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07C       | PS        | COHO       | 0                               |                   | 0.01   | 0.01              | 0                 | 0        | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07C       | SN        | COHO       | 24                              |                   | 0.01   | 0.01              | 0                 | 0        | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07D       | GN        | COHO       | 33                              |                   |  | 0.01              | 0                 | 0        | -0   | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 07D       | SN        | COHO       | 20                              |                   |  | 0.01              | 0                 | 0        | -0   | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 08        | GN        | COHO       | 60951                           |                   |  | 0.01              | 0                 | 610      | -610   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 08        | ON        | COHO       | 4393                            |                   |  | 0.01              | 0                 | 44       | -44  | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 08        | SE        | COHO       | 27135                           |                   |  | 0.01              | 0                 | 271      | -271   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 08        | SN        | COHO       | 13270                           |                   |  | 0.01              | 0                 | 133      | -133   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 08        | SP        | COHO       | 8941                            |                   |  | 0.05              | 0                 | 447      | -447   | E                 |                   |            |                         | p                                 |
| 85      | WA      |           | 09        | GN        | COHO       | 1535                            |                   |  | 0.01              | 0                 | 15       | -15  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 09        | ON        | COHO       | 0                               |                   |  | 0.01              | 0                 | 0        | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 09        | SE        | COHO       | 1807                            |                   |  | 0.01              | 0                 | 18       | -18  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 09        | SN        | COHO       | 2876                            |                   |  | 0.01              | 0                 | 29       | -29  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 09        | SP        | COHO       | 39931                           |                   |  | 0.05              | 0                 | 1997     | -1997  | E                 |                   |            |                         | p                                 |
| 85      | WA      |           | 09A       | GN        | COHO       | 0                               |                   |  | 0.01              | 0                 | 0        | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 09A       | ON        | COHO       | 0                               |                   |  | 0.01              | 0                 | 0        | 0  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 09A       | SN        | COHO       | 6385                            |                   |  | 0.01              | 0                 | 64       | -64  | E                 |                   |            |                         | q                                 |
| 85      | WA      |           | 10        | GN        | COHO       | 178807                          |                   |  | 0.01              | 0                 | 1788     | -1788  | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 10        | ON        | COHO       | 8                               |                   |  | 0.01              | 0                 | 0        | -0   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 10        | SE        | COHO       | 122919                          |                   |  | 0.01              | 0                 | 1229     | -1229  | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 10        | SN        | COHO       | 2526                            |                   |  | 0.01              | 0                 | 25       | -25  | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 10        | SP        | COHO       | 17113                           |                   |  | 0.05              | 0                 | 856      | -856   | E                 |                   |            |                         | p                                 |
| 85      | WA      |           | 11        | GN        | COHO       | 38231                           |                   |  | 0.01              | 0                 | 382      | -382   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 11        | ON        | COHO       | 17                              |                   |  | 0.01              | 0                 | 0        | -0   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 11        | SE        | COHO       | 45492                           |                   |  | 0.01              | 0                 | 455      | -455   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 11        | SN        | COHO       | 482                             |                   |  | 0.01              | 0                 | 5        | -5   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 11        | SP        | COHO       | 14402                           |                   |  | 0.05              | 0                 | 720      | -720   | E                 |                   |            |                         | p                                 |
| 85      | WA      |           | 12        | GN        | COHO       | 17805                           |                   |  | 0.01              | 0                 | 178      | -178   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 12        | ON        | COHO       | 0                               |                   |  | 0.01              | 0                 | 0        | 0  | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 12        | SE        | COHO       | 11462                           |                   |  | 0.01              | 0                 | 115      | -115   | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 12        | SN        | COHO       | 7119                            |                   |  | 0.01              | 0                 | 71       | -71  | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 12        | SP        | COHO       | 2077                            |                   |  | 0.05              | 0                 | 104      | -104   | E                 |                   |            |                         | p                                 |
| 85      | WA      |           | 13        | GN        | COHO       | 8709                            |                   |  | 0.01              | 0                 | 87       | -87  | E                 |                   |            |                         | q/?                               |
| 85      | WA      |           | 13        | ON        | COHO       | 52879                           |                   |  | 0.01              | 0                 | 529      | -529   | E                 |                   |            |                         | q/?                               |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |                                   |
| 85      | WA      |           | 13 SE     | COHO      | 0          |                                 |                   | 0.01              |   |                   | 0          |          |  |                   |            |            | q/?                     |                                   |
| 85      | WA      |           | 13 SN     | COHO      | 39601      |                                 |                   | 0.01              |   |                   | 0          |          | 396  | -396              |            |            | q/?                     |                                   |
| 85      | WA      |           | 13 SP     | COHO      | 6152       |                                 |                   | 0.05              |   |                   | 0          |          | 308  | -308              |            |            | p                       |                                   |
| 85      | WA      |           | 54 TR     | COHO      | 0          |                                 |                   |                   |   |                   | 0          |          | 0  | 0                 |            |            | s                       |                                   |
| 85      | WA      |           | 61 TR     | COHO      | 500        |                                 |                   |                   |   |                   | 0          |          | 0  | 0                 |            |            | s                       |                                   |
| 85      | WA      |           | 62 TR     | COHO      | 0          |                                 |                   |                   |   |                   | 0          |          | 0  | 0                 |            |            | s                       |                                   |
| 85      | OR      |           | 01 TR     | COHO      | 21900      |                                 |                   | 0.08              | 0.01  |                   | 1752       |          | 219  | 1533              |            |            | s                       |                                   |
| 85      | OR      |           | 02 SP     | COHO      | 31000      |                                 |                   | 0.03              | 0.01  |                   | 930        |          | 310  | 620               |            |            | s                       |                                   |
| 85      | OR      |           | 02 TR     | COHO      | 18300      |                                 |                   | 0.03              | 0.01  |                   | 549        |          | 183  | 366               |            |            | s                       |                                   |
| 85      | OR      |           | 03 SP     | COHO      | 31000      |                                 |                   |                   | 0.01  |                   | 0          |          | 310  | -310              |            |            | s                       |                                   |
| 85      | OR      |           | 03 TR     | COHO      | 1600       |                                 |                   |                   | 0.01  |                   | 0          |          | 16   | -16               |            |            | s                       |                                   |
| 85      | OR      |           | 04 SP     | COHO      | 61900      |                                 |                   |                   | 0.01  |                   | 0          |          | 619  | -619              |            |            | s                       |                                   |
| 85      | OR      |           | 04 TR     | COHO      | 12600      |                                 |                   |                   | 0.01  |                   | 0          |          | 126  | -126              |            |            | s                       |                                   |
| 85      | OR      |           | 05 SP     | COHO      | 51200      |                                 |                   |                   | 0.01  |                   | 0          |          | 512  | -512              |            |            | s                       |                                   |
| 85      | OR      |           | 05 TR     | COHO      | 29400      |                                 |                   |                   | 0.01  |                   | 0          |          | 294  | -294              |            |            | s                       |                                   |
| 85      | OR      |           | 06 SP     | COHO      | 7400       |                                 |                   |                   | 0.01  |                   | 0          |          | 74   | -74               |            |            | s                       |                                   |
| 85      | OR      |           | 06 TR     | COHO      | 214        |                                 |                   |                   | 0.01  |                   | 0          |          | 2  | -2                |            |            | s                       |                                   |
| 85      | OR      |           | 07 TR     | COHO      | 12         |                                 |                   |                   | 0.01  |                   | 0          |          | 0  | -0                |            |            | s                       |                                   |
|         |         |           |           |           |            |                                 |                   |                   |   |                   |            |          | 92747  | 263423            | -170676    |            | s                       |                                   |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area     | Gear | Spec | Catch   | PROP BOUND FOR OTHER COUNTRY |              | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |              |              | CAT     | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |              |              | Notes   | Alaska<br>Hatchery | Alaska<br>Special<br>Harvest |       |
|----|----|----------|------|------|---------|------------------------------|--------------|--|--------------|--------------|---------|--|--------------|--------------|---------|--------------------|------------------------------|-------|
|    |    |          |      |      |         | Adjusted<br>Catch            | U.S.<br>Est. | Can.<br>Est.   | U.S.<br>Est. | Can.<br>Est. |         | Diff.  | U.S.<br>Est. | Can.<br>Est. |         |                    |                              | Diff. |
| a  | b  | c        | d    | e    | f       | g                            | h            | i  | k            | l            | m       | o  | p            | q            | r       | t                  | u                            | v     |
| 86 | AK |          | ALL  | SP   | COHO    | 0                            |              |  | 0            | 0            | 0       | A  |              |              |         | a                  |                              |       |
| 86 | AK | 101      | ANN  | GN   | COHO    | 52839                        | 52839        | 0.44   | 0.55         | 23249        | 29061   | -5812  | A            |              |         | b,c,d              |                              |       |
| 86 | AK | 101      | ANN  | OG   | COHO    | 1410                         | 1410         | 0.13   | 0.25         | 183          | 353     | -169   | A            |              |         | b,c,d              |                              |       |
| 86 | AK | 101      | ANN  | SE   | COHO    | 20285                        | 20285        | 0.13   | 0.25         | 2637         | 5071    | -2434  | A            |              |         | b,c,d              |                              |       |
| 86 | AK | 101      | GN   | COHO | 115909  | 91321                        | 0.44         | 0.55   | 40181        | 63750        | -23569  | A  |              |              | b,c     | 23121              | 1467                         |       |
| 86 | AK | 101      | SE   | COHO | 152658  | 112017                       | 0.13         | 0.25   | 14562        | 38165        | -23602  | A  |              |              | b,c     | 37366              | 3275                         |       |
| 86 | AK | 101      | TR   | COHO | 85512   | 75561                        | 0.13         | 0.25   | 9823         | 21378        | -11555  | A  |              |              | b,c     | 9951               |                              |       |
| 86 | AK | 102      | SE   | COHO | 61934   | 59550                        | 0.18         | 0.35   | 10719        | 21677        | -10958  | A  |              |              | b,c     | 2384               |                              |       |
| 86 | AK | 102      | TR   | COHO | 27298   | 24253                        | 0.18         | 0.35   | 4366         | 9554         | -5189   | A  |              |              | b,c     | 3045               |                              |       |
| 86 | AK | 103      | SE   | COHO | 75503   | 60272                        | 0.03         | 0.10   | 1808         | 7550         | -5742   | A  |              |              | b,c     | 15231              |                              |       |
| 86 | AK | 103      | TR   | COHO | 85951   | 75216                        | 0.03         | 0.10   | 2256         | 8595         | -6339   | A  |              |              | b,c     | 10735              |                              |       |
| 86 | AK | 104      | SE   | COHO | 273253  | 249233                       | 0.17         | 0.35   | 42370        | 95639        | -53269  | A  |              |              | b,c     | 24020              |                              |       |
| 86 | AK | 104      | TR   | COHO | 238225  | 205102                       | 0.17         | 0.35   | 34867        | 83379        | -48511  | A  |              |              | b,c     | 33123              |                              |       |
| 86 | AK | 105      | SE   | COHO | 1108    | 1108                         | 0.04         | 0.08   | 44           | 89           | -44     | A  |              |              | b,c     |                    |                              |       |
| 86 | AK | 105      | TR   | COHO | 35856   | 35856                        | 0.04         | 0.08   | 1434         | 2868         | -1434   | A  |              |              | b,c     |                    |                              |       |
| 86 | AK | 106      | GN   | COHO | 205598  | 154162                       | 0.04         | 0.08   | 6166         | 16448        | -10281  | A  |              |              | b,c,e   | 40750              | 10686                        |       |
| 86 | AK | 109      | SE   | COHO | 7798    | 7798                         | 0.09         | 0.10   | 702          | 780          | -78     | A  |              |              | b,c     |                    |                              |       |
| 86 | AK | 109      | TR   | COHO | 163179  | 147713                       | 0.09         | 0.10   | 13294        | 16318        | -3024   | A  |              |              | b,c     | 15466              |                              |       |
| 86 | AK | 113      | SE   | COHO | 768     | 768                          | 0.09         | 0.09   | 69           | 69           | -0      | A  |              |              | b,c     |                    |                              |       |
| 86 | AK | 113      | TR   | COHO | 1098292 | 941859                       | 0.09         | 0.45   | 84767        | 494231       | -409464 | A  |              |              | b,c     | 156433             |                              |       |
| 86 | AK | 116      | TR   | COHO | 67676   | 61236                        | 0.07         | 0.09   | 4287         | 6091         | -1804   | A  |              |              | b,c     | 6440               |                              |       |
| 86 | AK | 152      | TR   | COHO | 7613    | 7531                         | 0.17         | 0.35   | 1280         | 2665         | -1384   | A  |              |              | b,c     | 82                 |                              |       |
| 86 | AK | 154      | TR   | COHO | 24482   | 23569                        | 0.09         | 0.45   | 2121         | 11017        | -8896   | A  |              |              | b,c     | 913                |                              |       |
| 86 | AK | 156      | TR   | COHO | 9947    | 9947                         | 0.07         | 0.09   | 696          | 895          | -199    | A  |              |              | b,c     |                    |                              |       |
| 86 | AK | 157      | TR   | COHO | 11187   | 11027                        | 0.07         | 0.09   | 772          | 1007         | -235    | A  |              |              | b,c     | 160                |                              |       |
| 86 | AK | 181      | TR   | COHO | 87871   | 83534                        | 0.03         | 0.09   | 2506         | 7908         | -5402   | A  |              |              | b,c     | 4337               |                              |       |
| 86 | AK | 189      | TR   | COHO | 37487   | 31769                        | 0.03         | 0.09   | 953          | 3374         | -2421   | A  | 306115       | 947931       | -641817 | b,c,f              | 5718                         |       |
| 86 | BC | 1        | GN   | COHO | 915     |                              | 0.07         | 0.07   | 64           | 64           | 0       | C  |              |              | g       |                    |                              |       |
| 86 | BC | 1        | SE   | COHO | 19696   |                              | 0.07         | 0.07   | 1379         | 1379         | 0       | C  |              |              | g       |                    |                              |       |
| 86 | BC | 1        | TR   | COHO | 625434  |                              | 0.16         | 0.15   | 100069       | 93815        | 6254    | C  |              |              |         |                    |                              |       |
| 86 | BC | 2E       | GN   | COHO | 6933    |                              | 0.08         |  | 555          | 0            | 555     | C  |              |              |         |                    |                              |       |
| 86 | BC | 2E       | SE   | COHO | 10284   |                              | 0.08         |  | 823          | 0            | 823     | C  |              |              |         |                    |                              |       |
| 86 | BC | 2E       | TR   | COHO | 109335  |                              | 0.17         | 0.17   | 18587        | 18587        | 0       | C  |              |              |         |                    |                              |       |
| 86 | BC | 2W       | GN   | COHO | 41      |                              |              |  | 0            | 0            | 0       | C  |              |              | h       |                    |                              |       |
| 86 | BC | 2W       | SE   | COHO | 2401    |                              |              |  | 0            | 0            | 0       | C  |              |              | h       |                    |                              |       |
| 86 | BC | 2W       | TR   | COHO | 65913   |                              | 0.16         | 0.15   | 10546        | 9887         | 659     | C  |              |              |         |                    |                              |       |
| 86 | BC | 3        | TR   | COHO | 118881  |                              | 0.16         | 0.08   | 19021        | 9510         | 9510    | C  |              |              | i       |                    |                              |       |
| 86 | BC | 3-1      | GN   | COHO | 2691    |                              | 0.20         | 0.16   | 538          | 431          | 108     | C  |              |              | j       |                    |                              |       |
| 86 | BC | 3-1      | SE   | COHO | 11897   |                              | 0.20         | 0.16   | 2379         | 1904         | 476     | C  |              |              | j       |                    |                              |       |
| 86 | BC | 3-(2-4)  | GN   | COHO | 5486    |                              | 0.09         | 0.08   | 494          | 439          | 55      | C  |              |              | j       |                    |                              |       |
| 86 | BC | 3-(2-4)  | SE   | COHO | 28109   |                              | 0.09         | 0.08   | 2530         | 2249         | 281     | C  |              |              | j       |                    |                              |       |
| 86 | BC | 3-(7-17) | GN   | COHO | 11864   |                              | 0.04         |  | 475          | 0            | 475     | C  |              |              | j       |                    |                              |       |
| 86 | BC | 3-(7-17) | SE   | COHO | 32613   |                              | 0.04         |  | 1305         | 0            | 1305    | C  |              |              | j       |                    |                              |       |
| 86 | BC | 4        | GN   | COHO | 44889   |                              | 0.01         |  | 449          | 0            | 449     | C  |              |              |         |                    |                              |       |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>---- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|--|-------------------|------------|----------|---|-------------------|------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                   | Can.<br>Est.<br>q | Diff.<br>r |            |                         |                                   |
| 86      | BC      |           | 4         | SE        | COHO       | 6810                   |                                 | 0.01              |  | 68                | 0          | 68       | C   |                   |            |            |                         |                                   |
| 86      | BC      |           | 4         | TR        | COHO       | 110921                 |                                 | 0.12              | 0.06   | 13311             | 6655       | 6655     | C   |                   |            |            |                         |                                   |
| 86      | BC      |           | 5         | TR        | COHO       | 59068                  |                                 | 0.07              | 0.06   | 4135              | 3544       | 591      | C   |                   |            |            |                         |                                   |
| 86      | BC      | 5 oth     | GN        | COHO      | 8857       |                        |                                 | 0.03              |  | 266               | 0          | 266      | C   |                   |            | k          |                         |                                   |
| 86      | BC      | 5 oth     | SE        | COHO      | 16802      |                        |                                 | 0.03              |  | 504               | 0          | 504      | C   |                   |            | k          |                         |                                   |
| 86      | BC      | 5-11      | GN        | COHO      | 2293       |                        |                                 | 0.03              | 0.07   | 69                | 161        | -92      | C   |                   |            | k          |                         |                                   |
| 86      | BC      | 5-11      | SE        | COHO      | 68         |                        |                                 | 0.03              | 0.07   | 2                 | 5          | -3       | C   |                   |            | k          |                         |                                   |
| 86      | BC      |           | 6         | TR        | COHO       | 40900                  |                                 | 0.07              | 0.06   | 2863              | 2454       | 409      | C   | 180430            | 151083     | 29347      |                         |                                   |
| 86      | BC      |           | 1         | TR        | COHO       | 625434                 |                                 | 0.02              |  | 12509             | 0          | 12509    | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 2E        | TR        | COHO       | 109335                 |                                 | 0.02              |  | 2187              | 0          | 2187     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 2W        | TR        | COHO       | 65913                  |                                 | 0.02              |  | 1318              | 0          | 1318     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 3         | TR        | COHO       | 118881                 |                                 | 0.02              |  | 2378              | 0          | 2378     | D   |                   |            | l          |                         |                                   |
| 86      | BC      |           | 4         | TR        | COHO       | 110921                 |                                 | 0.02              |  | 2218              | 0          | 2218     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 5         | TR        | COHO       | 59068                  |                                 | 0.02              |  | 1181              | 0          | 1181     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 6         | GN        | COHO       | 6939                   |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 6         | SE        | COHO       | 90779                  |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 6         | TR        | COHO       | 40900                  |                                 | 0.13              |  | 5317              | 0          | 5317     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 7         | GN        | COHO       | 6755                   |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 7         | SE        | COHO       | 25252                  |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 7         | TR        | COHO       | 47355                  |                                 | 0.13              | 0.10   | 6156              | 4736       | 1421     | D   |                   |            | m          |                         |                                   |
| 86      | BC      |           | 8         | GN        | COHO       | 43082                  |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 8         | SE        | COHO       | 87128                  |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 8         | TR        | COHO       | 28618                  |                                 | 0.13              | 0.10   | 3720              | 2862       | 859      | D   |                   |            | m          |                         |                                   |
| 86      | BC      |           | 9         | GN        | COHO       | 10617                  |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 9         | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 9         | TR        | COHO       | 45818                  |                                 | 0.13              | 0.10   | 5956              | 4582       | 1375     | D   |                   |            | m          |                         |                                   |
| 86      | BC      |           | 10        | GN        | COHO       | 6864                   |                                 |                   |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 10        | TR        | COHO       | 41636                  |                                 | 0.13              | 0.10   | 5413              | 4164       | 1249     | D   |                   |            | m          |                         |                                   |
| 86      | BC      |           | 11        | GN        | COHO       | 3638                   |                                 | 0.06              |  | 218               | 0          | 218      | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 11        | SE        | COHO       | 0                      |                                 | 0.06              |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 11        | TR        | COHO       | 353810                 |                                 | 0.13              | 0.10   | 45995             | 35381      | 10614    | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 12        | GN        | COHO       | 34709                  |                                 | 0.06              |  | 2083              | 0          | 2083     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 12        | SE        | COHO       | 62937                  |                                 | 0.06              |  | 3776              | 0          | 3776     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 12        | TR        | COHO       | 34574                  |                                 | 0.24              | 0.15   | 8298              | 5186       | 3112     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 13        | GN        | COHO       | 4205                   |                                 | 0.06              |  | 252               | 0          | 252      | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 13        | SE        | COHO       | 21182                  |                                 | 0.06              |  | 1271              | 0          | 1271     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 13        | TR        | COHO       | 27370                  |                                 | 0.24              | 0.08   | 6569              | 2190       | 4379     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 14        | GN        | COHO       | 13366                  |                                 | 0.01              |  | 134               | 0          | 134      | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 14        | SE        | COHO       | 652                    |                                 | 0.01              |  | 7                 | 0          | 7        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 14        | TR        | COHO       | 121488                 |                                 | 0.24              | 0.08   | 29157             | 9719       | 19438    | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 15        | GN        | COHO       | 0                      |                                 | 0.01              |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 15        | SE        | COHO       | 0                      |                                 | 0.01              |  | 0                 | 0          | 0        | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 15        | TR        | COHO       | 9944                   |                                 | 0.24              | 0.08   | 2387              | 796        | 1591     | D   |                   |            |            |                         |                                   |
| 86      | BC      |           | 16        | GN        | COHO       | 286                    |                                 | 0.01              |  | 3                 | 0          | 3        | D   |                   |            |            |                         |                                   |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|--|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |                                   |
| 86      | BC      |           | 16        | SE        | COHO       | 1746                   |                                 | 0.01              |  | 17                | 0          | 17       | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 16        | TR        | COHO       | 4153                   |                                 | 0.24              | 0.08   | 997               | 332        | 664      | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 17        | GN        | COHO       | 0                      |                                 | 0.01              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 17        | SE        | COHO       | 0                      |                                 | 0.01              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 17        | TR        | COHO       | 7900                   |                                 | 0.24              | 0.08   | 1896              | 632        | 1264     | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 18        | GN        | COHO       | 188                    |                                 | 0.01              |  | 2                 | 0          | 2        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 18        | SE        | COHO       | 0                      |                                 | 0.01              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 18        | TR        | COHO       | 1105                   |                                 | 0.24              | 0.08   | 265               | 88         | 177      | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 19        | GN        | COHO       | 1                      |                                 | 0.01              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 19        | SE        | COHO       | 0                      |                                 | 0.01              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 19        | TR        | COHO       | 0                      |                                 | 0.24              | 0.08   | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 20        | GN        | COHO       | 40696                  |                                 | 0.83              | 0.45   | 33778             | 18313      | 15464    | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 20        | SE        | COHO       | 161821                 |                                 | 0.83              | 0.45   | 134311            | 72819      | 61492    | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 20        | TR        | COHO       | 2892                   |                                 | 0.79              | 0.50   | 2285              | 1446       | 839      | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 21        | GN        | COHO       | 1009                   |                                 | 0.07              |  | 71                | 0          | 71       | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 21        | SE        | COHO       | 3016                   |                                 | 0.07              |  | 211               | 0          | 211      | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 21        | TR        | COHO       | 130413                 |                                 | 0.86              | 0.43   | 112155            | 56078      | 56078    | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 22        | GN        | COHO       | 0                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 22        | SE        | COHO       | 0                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 22        | TR        | COHO       | 0                      |                                 | 0.86              | 0.43   | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 23        | GN        | COHO       | 2688                   |                                 | 0.07              |  | 188               | 0          | 188      | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 23        | SE        | COHO       | 3                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 23        | TR        | COHO       | 974763                 |                                 | 0.86              | 0.43   | 838296            | 419148     | 419148   | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 24        | GN        | COHO       | 0                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 24        | SE        | COHO       | 0                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 24        | TR        | COHO       | 441290                 |                                 | 0.86              | 0.43   | 379509            | 189755     | 189755   | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 25        | GN        | COHO       | 1564                   |                                 | 0.07              |  | 109               | 0          | 109      | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 25        | SE        | COHO       | 2305                   |                                 | 0.07              |  | 161               | 0          | 161      | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 25        | TR        | COHO       | 180656                 |                                 | 0.61              | 0.25   | 110200            | 45164      | 65036    | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 26        | GN        | COHO       | 0                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 26        | SE        | COHO       | 0                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 26        | TR        | COHO       | 119038                 |                                 | 0.61              | 0.25   | 72613             | 29760      | 42854    | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 27        | GN        | COHO       | 0                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 27        | SE        | COHO       | 0                      |                                 | 0.07              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 27        | SP        | COHO       | 0                      |                                 | 0.03              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 27        | TR        | COHO       | 310604                 |                                 | 0.61              | 0.25   | 189468            | 77651      | 111817   | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 28        | GN        | COHO       | 0                      |                                 | 0.01              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 28        | SE        | COHO       | 0                      |                                 | 0.01              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 28        | TR        | COHO       | 0                      |                                 | 0.24              |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29AB      | GN        | COHO       | 24515                  |                                 | 0.02              |  | 490               | 0          | 490      | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29AB      | SE        | COHO       | 1597                   |                                 | 0.02              |  | 32                | 0          | 32       | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29AB      | TR        | COHO       | 9417                   |                                 | 0.24              | 0.08   | 2260              | 753        | 1507     | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29C       | GN        | COHO       | 2793                   |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29C       | SE        | COHO       | 0                      |                                 |                   |  | 0                 | 0          | 0        | D  |                   |            |            |                         |                                   |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|-------------------|--|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |                                   |
| 86      | BC      |           | 29C       | TR        | COHO       | 0                               |                   |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29D       | GN        | COHO       | 5444                            |                   |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29D       | SE        | COHO       | 0                               |                   |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29D       | TR        | COHO       | 0                               |                   |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29E       | GN        | COHO       | 0                               |                   |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29E       | SE        | COHO       | 0                               |                   |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 86      | BC      |           | 29E       | TR        | COHO       | 0                               |                   |                   | 0  | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 86      | BC      |           | 30        | TR        | COHO       | 616                             | 0.10              |                   | 62   | 0                 | 62         | D        |  |                   |            |            | n                       |                                   |
| 86      | BC      |           | GS        | SP        | COHO       | 572000                          | 0.23              | 0.07              | 131560   | 40040             | 91520      | D        | 2159441  | 1021593           | 1137847    |            | o                       |                                   |
| 86      | WA      |           | 01        | SP        | COHO       | 67688                           |                   | 0.07              | 0  | 4738              | -4738      | E        |  |                   |            |            | p                       |                                   |
| 86      | WA      |           | 01        | TR        | COHO       | 45860                           |                   | 0.07              | 0  | 3210              | -3210      | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 02        | SP        | COHO       | 83097                           | 0.01              | 0.07              | 831  | 5817              | -4986      | E        |  |                   |            |            | p                       |                                   |
| 86      | WA      |           | 02        | TR        | COHO       | 13642                           | 0.01              | 0.10              | 136  | 1364              | -1228      | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 03        | SP        | COHO       | 2214                            | 0.05              | 0.25              | 111  | 554               | -443       | E        |  |                   |            |            | p                       |                                   |
| 86      | WA      |           | 03        | TR        | COHO       | 40600                           | 0.05              | 0.30              | 2030   | 12180             | -10150     | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 04        | GN        | COHO       | 60                              |                   | 0.35              | 0  | 21                | -21        | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 04        | SN        | COHO       | 0                               |                   | 0.35              | 0  | 0                 | 0          | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 04        | SP        | COHO       | 21759                           | 0.11              | 0.30              | 2393   | 6528              | -4134      | E        |  |                   |            |            | p                       |                                   |
| 86      | WA      |           | 04        | TR        | COHO       | 52657                           | 0.11              | 0.35              | 5792   | 18430             | -12638     | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 04B       | GN        | COHO       | 9869                            | 0.14              | 0.35              | 1382   | 3454              | -2072      | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 04B       | SN        | COHO       | 755                             | 0.14              | 0.35              | 106  | 264               | -159       | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 04B       | TR        | COHO       | 7047                            | 0.07              | 0.35              | 493  | 2466              | -1973      | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 05        | GN        | COHO       | 59295                           | 0.14              | 0.35              | 8301   | 20753             | -12452     | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 05        | ON        | COHO       | 11                              | 0.14              | 0.35              | 2  | 4                 | -2         | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 05        | SE        | COHO       | 15                              | 0.14              | 0.35              | 2  | 5                 | -3         | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 05        | SN        | COHO       | 1126                            | 0.14              | 0.35              | 158  | 394               | -236       | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 05        | SP        | COHO       | 102727                          | 0.07              | 0.30              | 7191   | 30818             | -23627     | E        |  |                   |            |            | p                       |                                   |
| 86      | WA      |           | 05        | TR        | COHO       | 4459                            | 0.07              | 0.35              | 312  | 1561              | -1249      | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06        | GN        | COHO       | 29                              | 0.14              | 0.35              | 4  | 10                | -6         | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06        | ON        | COHO       | 8                               | 0.14              | 0.35              | 1  | 3                 | -2         | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06        | SN        | COHO       | 0                               | 0.14              | 0.35              | 0  | 0                 | 0          | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06        | SP        | COHO       | 39024                           | 0.07              | 0.35              | 2732   | 13658             | -10927     | E        |  |                   |            |            | p                       |                                   |
| 86      | WA      |           | 06        | TR        | COHO       | 31                              | 0.07              | 0.30              | 2  | 9                 | -7         | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06C       | GN        | COHO       | 465                             | 0.14              | 0.35              | 65   | 163               | -98        | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06C       | ON        | COHO       | 0                               | 0.14              | 0.35              | 0  | 0                 | 0          | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06C       | SN        | COHO       | 4                               | 0.14              | 0.35              | 1  | 1                 | -1         | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06C       | TR        | COHO       | 214                             | 0.07              | 0.35              | 15   | 75                | -60        | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06D       | GN        | COHO       | 2754                            |                   | 0.01              | 0  | 28                | -28        | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06D       | ON        | COHO       | 0                               |                   | 0.01              | 0  | 0                 | 0          | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 06D       | SN        | COHO       | 1725                            |                   | 0.01              | 0  | 17                | -17        | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 07        | GN        | COHO       | 14928                           | 0.47              | 0.80              | 7016   | 11942             | -4926      | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 07        | ON        | COHO       | 7374                            | 0.47              | 0.80              | 3466   | 5899              | -2433      | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 07        | SE        | COHO       | 20350                           | 0.47              | 0.80              | 9565   | 16280             | -6716      | E        |  |                   |            |            | q                       |                                   |
| 86      | WA      |           | 07        | SN        | COHO       | 81                              | 0.47              | 0.80              | 38   | 65                | -27        | E        |  |                   |            |            | q                       |                                   |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |                   | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |                   | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|---|-------------------|-------------------|----------|--|-------------------|-------------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i                                 | U.S.<br>Est.<br>k | Can.<br>Est.<br>l |          | Diff.<br>m   | U.S.<br>Est.<br>p | Can.<br>Est.<br>q |            |                         |                                   |
| 86      | WA      |           | 07        | SP        | COHO       | 12420                           |                   | 0.09  | 0.85              |                   | 1118     | 10557  | -9439             | E                 |            |                         | p                                 |
| 86      | WA      |           | 07A       | GN        | COHO       | 32243                           |                   | 0.53  | 0.90              |                   | 17089    | 29019  | -11930            | E                 |            |                         | q                                 |
| 86      | WA      |           | 07A       | ON        | COHO       | 5                               |                   | 0.53  | 0.90              |                   | 3        | 5  | -2                | E                 |            |                         | q                                 |
| 86      | WA      |           | 07A       | SE        | COHO       | 28322                           |                   | 0.53  | 0.90              |                   | 15011    | 25490  | -10479            | E                 |            |                         | q                                 |
| 86      | WA      |           | 07A       | SN        | COHO       | 414                             |                   | 0.53  | 0.90              |                   | 219      | 373  | -153              | E                 |            |                         | q                                 |
| 86      | WA      |           | 07B       | GN        | COHO       | 104213                          |                   | 0.02  | 0.01              |                   | 2084     | 1042   | 1042              | E                 |            |                         | q                                 |
| 86      | WA      |           | 07B       | ON        | COHO       | 8                               |                   | 0.02  | 0.01              |                   | 0        | 0  | 0                 | E                 |            |                         | q                                 |
| 86      | WA      |           | 07B       | SE        | COHO       | 9447                            |                   | 0.02  | 0.01              |                   | 189      | 94   | 94                | E                 |            |                         | q                                 |
| 86      | WA      |           | 07B       | SN        | COHO       | 23109                           |                   | 0.02  | 0.01              |                   | 462      | 231  | 231               | E                 |            |                         | q                                 |
| 86      | WA      |           | 07C       | GN        | COHO       | 10                              |                   | 0.02  | 0.01              |                   | 0        | 0  | 0                 | E                 |            |                         | q                                 |
| 86      | WA      |           | 07C       | SE        | COHO       | 0                               |                   | 0.02  | 0.01              |                   | 0        | 0  | 0                 | E                 |            |                         | q                                 |
| 86      | WA      |           | 07C       | SN        | COHO       | 1                               |                   | 0.02  | 0.01              |                   | 0        | 0  | 0                 | E                 |            |                         | q                                 |
| 86      | WA      |           | 07D       | GN        | COHO       | 448                             |                   |   | 0.01              |                   | 0        | 4  | -4                | E                 |            |                         | q                                 |
| 86      | WA      |           | 07D       | SN        | COHO       | 59                              |                   |   | 0.01              |                   | 0        | 1  | -1                | E                 |            |                         | q                                 |
| 86      | WA      |           | 08        | GN        | COHO       | 92345                           |                   |   | 0.01              |                   | 0        | 923  | -923              | E                 |            |                         | q/?                               |
| 86      | WA      |           | 08        | ON        | COHO       | 4480                            |                   |   | 0.01              |                   | 0        | 45   | -45               | E                 |            |                         | q/?                               |
| 86      | WA      |           | 08        | SE        | COHO       | 26022                           |                   |   | 0.01              |                   | 0        | 260  | -260              | E                 |            |                         | q/?                               |
| 86      | WA      |           | 08        | SN        | COHO       | 12323                           |                   |   | 0.01              |                   | 0        | 123  | -123              | E                 |            |                         | q/?                               |
| 86      | WA      |           | 08        | SP        | COHO       | 11698                           |                   |   | 0.05              |                   | 0        | 585  | -585              | E                 |            |                         | p                                 |
| 86      | WA      |           | 09        | GN        | COHO       | 2150                            |                   |   | 0.01              |                   | 0        | 22   | -22               | E                 |            |                         | q                                 |
| 86      | WA      |           | 09        | ON        | COHO       | 2                               |                   |   | 0.01              |                   | 0        | 0  | -0                | E                 |            |                         | q                                 |
| 86      | WA      |           | 09        | SE        | COHO       | 710                             |                   |   | 0.01              |                   | 0        | 7  | -7                | E                 |            |                         | q                                 |
| 86      | WA      |           | 09        | SN        | COHO       | 9096                            |                   |   | 0.01              |                   | 0        | 91   | -91               | E                 |            |                         | q                                 |
| 86      | WA      |           | 09        | SP        | COHO       | 45419                           |                   |   | 0.05              |                   | 0        | 2271   | -2271             | E                 |            |                         | p                                 |
| 86      | WA      |           | 09A       | GN        | COHO       | 1104                            |                   |   | 0.01              |                   | 0        | 11   | -11               | E                 |            |                         | q                                 |
| 86      | WA      |           | 09A       | ON        | COHO       | 0                               |                   |   | 0.01              |                   | 0        | 0  | 0                 | E                 |            |                         | q                                 |
| 86      | WA      |           | 09A       | SN        | COHO       | 20314                           |                   |   | 0.01              |                   | 0        | 203  | -203              | E                 |            |                         | q                                 |
| 86      | WA      |           | 10        | GN        | COHO       | 177972                          |                   |   | 0.01              |                   | 0        | 1780   | -1780             | E                 |            |                         | q/?                               |
| 86      | WA      |           | 10        | ON        | COHO       | 0                               |                   |   | 0.01              |                   | 0        | 0  | 0                 | E                 |            |                         | q/?                               |
| 86      | WA      |           | 10        | SE        | COHO       | 156670                          |                   |   | 0.01              |                   | 0        | 1567   | -1567             | E                 |            |                         | q/?                               |
| 86      | WA      |           | 10        | SN        | COHO       | 7947                            |                   |   | 0.01              |                   | 0        | 79   | -79               | E                 |            |                         | q/?                               |
| 86      | WA      |           | 10        | SP        | COHO       | 20142                           |                   |   | 0.05              |                   | 0        | 1007   | -1007             | E                 |            |                         | p                                 |
| 86      | WA      |           | 11        | GN        | COHO       | 50850                           |                   |   | 0.01              |                   | 0        | 509  | -509              | E                 |            |                         | q/?                               |
| 86      | WA      |           | 11        | ON        | COHO       | 0                               |                   |   | 0.01              |                   | 0        | 0  | 0                 | E                 |            |                         | q/?                               |
| 86      | WA      |           | 11        | SE        | COHO       | 60953                           |                   |   | 0.01              |                   | 0        | 610  | -610              | E                 |            |                         | q/?                               |
| 86      | WA      |           | 11        | SN        | COHO       | 616                             |                   |   | 0.01              |                   | 0        | 6  | -6                | E                 |            |                         | q/?                               |
| 86      | WA      |           | 11        | SP        | COHO       | 18571                           |                   |   | 0.05              |                   | 0        | 929  | -929              | E                 |            |                         | p                                 |
| 86      | WA      |           | 12        | GN        | COHO       | 29528                           |                   |   | 0.01              |                   | 0        | 295  | -295              | E                 |            |                         | q/?                               |
| 86      | WA      |           | 12        | ON        | COHO       | 216                             |                   |   | 0.01              |                   | 0        | 2  | -2                | E                 |            |                         | q/?                               |
| 86      | WA      |           | 12        | SE        | COHO       | 33818                           |                   |   | 0.01              |                   | 0        | 338  | -338              | E                 |            |                         | q/?                               |
| 86      | WA      |           | 12        | SN        | COHO       | 14096                           |                   |   | 0.01              |                   | 0        | 141  | -141              | E                 |            |                         | q/?                               |
| 86      | WA      |           | 12        | SP        | COHO       | 1254                            |                   |   | 0.05              |                   | 0        | 63   | -63               | E                 |            |                         | p                                 |
| 86      | WA      |           | 13        | GN        | COHO       | 457                             |                   |   | 0.01              |                   | 0        | 5  | -5                | E                 |            |                         | q/?                               |
| 86      | WA      |           | 13        | ON        | COHO       | 50420                           |                   |   | 0.01              |                   | 0        | 504  | -504              | E                 |            |                         | q/?                               |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |                                   |
| 86      | WA      |           | 13        | SE        | COHO       | 0                      |                                 | 0.01              | 0   | 0                 | 0          | E        |  |                   |            |            | q/?                     |                                   |
| 86      | WA      |           | 13        | SN        | COHO       | 47145                  |                                 | 0.01              | 0   | 471               | -471       | E        |  |                   |            |            | q/?                     |                                   |
| 86      | WA      |           | 13        | SP        | COHO       | 9744                   |                                 | 0.05              | 0   | 487               | -487       | E        |  |                   |            |            | p                       |                                   |
| 86      | WA      |           | 54        | TR        | COHO       | 100                    |                                 |                   | 0   | 0                 | 0          | E        |  |                   |            |            | s                       |                                   |
| 86      | WA      |           | 61        | TR        | COHO       | 300                    |                                 |                   | 0   | 0                 | 0          | E        |  |                   |            |            | s                       |                                   |
| 86      | WA      |           | 62        | TR        | COHO       | 0                      |                                 |                   | 0   | 0                 | 0          | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 01        | TR        | COHO       | 64                     | 0.01                            | 0.01              | 1   | 1                 | 0          | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 02        | SP        | COHO       | 36900                  |                                 | 0.01              | 0   | 369               | -369       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 02        | TR        | COHO       | 45800                  |                                 | 0.01              | 0   | 458               | -458       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 03        | SP        | COHO       | 23500                  |                                 | 0.01              | 0   | 235               | -235       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 03        | TR        | COHO       | 95600                  |                                 | 0.01              | 0   | 956               | -956       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 04        | SP        | COHO       | 78500                  |                                 | 0.01              | 0   | 785               | -785       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 04        | TR        | COHO       | 193800                 |                                 | 0.01              | 0   | 1938              | -1938      | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 05        | SP        | COHO       | 61100                  |                                 | 0.01              | 0   | 611               | -611       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 05        | TR        | COHO       | 85300                  |                                 | 0.01              | 0   | 853               | -853       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 06        | SP        | COHO       | 11700                  |                                 | 0.01              | 0   | 117               | -117       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 06        | TR        | COHO       | 19100                  |                                 | 0.01              | 0   | 191               | -191       | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 07        | TR        | COHO       | 0                      |                                 | 0.01              | 0   | 0                 | 0          | E        |  |                   |            |            | s                       |                                   |
| 86      | OR      |           | 08        | TR        | COHO       | 0                      |                                 | 0.01              | 0   | 0                 | 0          | E        | 88320  | 247375            | -159055    |            |                         |                                   |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area     | Gear | Spec | Catch  | Adjusted Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |        | CAT   | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |         | Notes | Alaska Hatchery | Alaska Special Harvest |
|----|----|----------|------|------|--------|----------------|------------------------------|-----------|--|-----------|--------|-------|--|-----------|---------|-------|-----------------|------------------------|
|    |    |          |      |      |        |                | U.S. Est.                    | Can. Est. | U.S. Est.  | Can. Est. | Diff.  |       | U.S. Est.  | Can. Est. | Diff.   |       |                 |                        |
| a  | b  | c        | d    | e    | f      | g              | h                            | i         | k  | l         | m      | o     | p  | q         | r       | t     | u               | v                      |
| 87 | AK |          | ALL  | SP   | COHO   | 0              |                              |           | 0  | 0         | 0      | A     |  |           |         | a     |                 |                        |
| 87 | AK | 101      | ANN  | GN   | COHO   | 24033          | 24033                        | 0.44      | 0.55   | 10575     | 13218  | -2644 | A  |           |         | b,c,d |                 |                        |
| 87 | AK | 101      | ANN  | OG   | COHO   | 734            | 734                          | 0.13      | 0.25   | 95        | 184    | -88   | A  |           |         | b,c,d |                 |                        |
| 87 | AK | 101      | ANN  | SE   | COHO   | 9204           | 9204                         | 0.13      | 0.25   | 1197      | 2301   | -1104 | A  |           |         | b,c,d |                 |                        |
| 87 | AK | 101      | TR   | COHO | 39495  | 21646          | 0.13                         | 0.25      | 2814   | 5412      | -2598  | A     |  |           | b,c     | 16376 | 1473            |                        |
| 87 | AK | 101      | GN   | COHO | 62150  | 57666          | 0.44                         | 0.55      | 25373  | 31716     | -6343  | A     |  |           | b,c     | 2893  | 1591            |                        |
| 87 | AK | 101      | SE   | COHO | 17136  | 15212          | 0.13                         | 0.25      | 1978   | 3803      | -1825  | A     |  |           | b,c     | 1924  |                 |                        |
| 87 | AK | 102      | SE   | COHO | 16386  | 15498          | 0.18                         | 0.35      | 2790   | 5424      | -2635  | A     |  |           | b,c     | 888   |                 |                        |
| 87 | AK | 102      | TR   | COHO | 22797  | 21394          | 0.18                         | 0.35      | 3851   | 7488      | -3637  | A     |  |           | b,c     | 1403  |                 |                        |
| 87 | AK | 103      | TR   | COHO | 56462  | 53407          | 0.03                         | 0.10      | 1602   | 5341      | -3738  | A     |  |           | b,c     | 3055  |                 |                        |
| 87 | AK | 103      | SE   | COHO | 20249  | 15963          | 0.03                         | 0.10      | 479  | 1596      | -1117  | A     |  |           | b,c     | 4286  |                 |                        |
| 87 | AK | 104      | SE   | COHO | 48992  | 46407          | 0.17                         | 0.35      | 7889   | 16242     | -8353  | A     |  |           | b,c     | 2585  |                 |                        |
| 87 | AK | 104      | TR   | COHO | 239038 | 214383         | 0.17                         | 0.35      | 36445  | 75034     | -38589 | A     |  |           | b,c     | 24655 |                 |                        |
| 87 | AK | 105      | TR   | COHO | 16623  | 16623          | 0.04                         | 0.08      | 665  | 1330      | -665   | A     |  |           | b,c     |       |                 |                        |
| 87 | AK | 105      | SE   | COHO | 203    | 203            | 0.04                         | 0.08      | 8  | 16        | -8     | A     |  |           | b,c     |       |                 |                        |
| 87 | AK | 106      | GN   | COHO | 37151  | 29365          | 0.04                         | 0.08      | 1175   | 2349      | -1175  | A     |  |           | b,c,e   | 5169  | 2617            |                        |
| 87 | AK | 109      | SE   | COHO | 4178   | 4147           | 0.09                         | 0.10      | 373  | 415       | -41    | A     |  |           | b,c     | 31    |                 |                        |
| 87 | AK | 109      | TR   | COHO | 89497  | 79810          | 0.09                         | 0.10      | 7183   | 7981      | -798   | A     |  |           | b,c     | 9687  |                 |                        |
| 87 | AK | 113      | TR   | COHO | 264384 | 240743         | 0.09                         | 0.45      | 21667  | 108334    | -86667 | A     |  |           | b,c     | 23641 |                 |                        |
| 87 | AK | 113      | SE   | COHO | 7823   | 7304           | 0.09                         | 0.09      | 657  | 657       | -0     | A     |  |           | b,c     | 519   |                 |                        |
| 87 | AK | 116      | TR   | COHO | 68136  | 66523          | 0.07                         | 0.09      | 4657   | 5987      | -1330  | A     |  |           | b,c     | 1613  |                 |                        |
| 87 | AK | 152      | TR   | COHO | 25771  | 22963          | 0.17                         | 0.35      | 3904   | 8037      | -4133  | A     |  |           | b,c     | 2808  |                 |                        |
| 87 | AK | 154      | TR   | COHO | 15116  | 13549          | 0.09                         | 0.45      | 1219   | 6097      | -4878  | A     |  |           | b,c     | 1567  |                 |                        |
| 87 | AK | 156      | TR   | COHO | 9574   | 9156           | 0.07                         | 0.09      | 641  | 824       | -183   | A     |  |           | b,c     | 418   |                 |                        |
| 87 | AK | 157      | TR   | COHO | 1520   | 1520           | 0.07                         | 0.09      | 106  | 137       | -30    | A     |  |           | b,c     |       |                 |                        |
| 87 | AK | 181      | TR   | COHO | 49288  | 45820          | 0.03                         | 0.09      | 1375   | 4124      | -2749  | A     |  |           | b,c     | 3468  |                 |                        |
| 87 | AK | 189      | TR   | COHO | 27424  | 27306          | 0.03                         | 0.09      | 819  | 2458      | -1638  | A     | 139536   | 316505    | -176969 | b,c,f | 118             |                        |
| 87 | BC | 1        | GN   | COHO | 304    |                | 0.07                         | 0.07      | 21   | 21        | 0      | C     |  |           | g       |       |                 |                        |
| 87 | BC | 1        | SE   | COHO | 13205  |                | 0.07                         | 0.07      | 924  | 924       | 0      | C     |  |           | g       |       |                 |                        |
| 87 | BC | 1        | TR   | COHO | 308626 |                | 0.16                         | 0.15      | 49380  | 46294     | 3086   | C     |  |           |         |       |                 |                        |
| 87 | BC | 2E       | GN   | COHO | 2686   |                | 0.08                         |           | 215  | 0         | 215    | C     |  |           |         |       |                 |                        |
| 87 | BC | 2E       | SE   | COHO | 1510   |                | 0.08                         |           | 121  | 0         | 121    | C     |  |           |         |       |                 |                        |
| 87 | BC | 2E       | TR   | COHO | 94880  |                | 0.17                         | 0.17      | 16130  | 16130     | 0      | C     |  |           |         |       |                 |                        |
| 87 | BC | 2W       | GN   | COHO | 0      |                |                              |           | 0  | 0         | 0      | C     |  |           |         | h     |                 |                        |
| 87 | BC | 2W       | SE   | COHO | 470    |                |                              |           | 0  | 0         | 0      | C     |  |           |         | h     |                 |                        |
| 87 | BC | 2W       | TR   | COHO | 104269 |                | 0.16                         | 0.15      | 16683  | 15640     | 1043   | C     |  |           |         |       |                 |                        |
| 87 | BC | 3        | TR   | COHO | 33816  |                | 0.16                         | 0.08      | 5411   | 2705      | 2705   | C     |  |           |         | i     |                 |                        |
| 87 | BC | 3-1      | GN   | COHO | 600    |                | 0.20                         | 0.16      | 120  | 96        | 24     | C     |  |           |         | i     |                 |                        |
| 87 | BC | 3-1      | SE   | COHO | 10826  |                | 0.20                         | 0.16      | 2165   | 1732      | 433    | C     |  |           |         | i     |                 |                        |
| 87 | BC | 3-(2-4)  | GN   | COHO | 523    |                | 0.09                         | 0.08      | 47   | 42        | 5      | C     |  |           |         | i     |                 |                        |
| 87 | BC | 3-(2-4)  | SE   | COHO | 19306  |                | 0.09                         | 0.08      | 1738   | 1544      | 193    | C     |  |           |         | i     |                 |                        |
| 87 | BC | 3-(7-17) | GN   | COHO | 3584   |                | 0.04                         |           | 143  | 0         | 143    | C     |  |           |         | i     |                 |                        |
| 87 | BC | 3-(7-17) | SE   | COHO | 16979  |                | 0.04                         |           | 679  | 0         | 679    | C     |  |           |         | i     |                 |                        |
| 87 | BC | 4        | GN   | COHO | 18465  |                | 0.01                         |           | 185  | 0         | 185    | C     |  |           |         |       |                 |                        |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area  | Gear | Spec | Catch | PROP BOUND FOR OTHER COUNTRY |              |              | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |              |       | CAT   | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |              |       | Notes | Alaska<br>Hatchery | Alaska<br>Special<br>Harvest |
|----|----|-------|------|------|-------|------------------------------|--------------|--------------|---|--------------|-------|-------|--|--------------|-------|-------|--------------------|------------------------------|
|    |    |       |      |      |       | Adjusted<br>Catch            | U.S.<br>Est. | Can.<br>Est. | U.S.<br>Est.                                      | Can.<br>Est. | Diff. |       | U.S.<br>Est.                                       | Can.<br>Est. | Diff. |       |                    |                              |
| a  | b  | c     | d    | e    | f     | g                            | h            | i            | k   | l            | m     | o     | p  | q            | r     |       |                    |                              |
| 87 | BC |       | 4    | SE   | COHO  | 4724                         |              | 0.01         |   | 47           | 0     | 47    | C  |              |       |       |                    |                              |
| 87 | BC |       | 4    | TR   | COHO  | 43273                        |              | 0.12         | 0.06  | 5193         | 2596  | 2596  | C  |              |       |       |                    |                              |
| 87 | BC |       | 5    | TR   | COHO  | 10691                        |              | 0.07         | 0.06  | 748          | 641   | 107   | C  |              |       |       |                    |                              |
| 87 | BC | 5 oth | GN   | COHO | 1240  |                              |              | 0.03         |   | 37           | 0     | 37    | C  |              |       |       | k                  |                              |
| 87 | BC | 5 oth | SE   | COHO | 5497  |                              |              | 0.03         |   | 165          | 0     | 165   | C  |              |       |       | k                  |                              |
| 87 | BC | 5-11  | GN   | COHO | 402   |                              |              | 0.03         | 0.07  | 12           | 28    | -16   | C  |              |       |       | k                  |                              |
| 87 | BC | 5-11  | SE   | COHO | 33    |                              |              | 0.03         | 0.07  | 1            | 2     | -1    | C  |              |       |       | k                  |                              |
| 87 | BC |       | 6    | TR   | COHO  | 25671                        |              | 0.07         | 0.06  | 1797         | 1540  | 257   | C  | 101962       | 89938 | 12024 |                    |                              |
| 87 | BC |       | 1    | TR   | COHO  | 308626                       |              | 0.02         |   | 6173         | 0     | 6173  | D  |              |       |       |                    |                              |
| 87 | BC |       | 2E   | TR   | COHO  | 94880                        |              | 0.02         |   | 1898         | 0     | 1898  | D  |              |       |       |                    |                              |
| 87 | BC |       | 2W   | TR   | COHO  | 104269                       |              | 0.02         |   | 2085         | 0     | 2085  | D  |              |       |       |                    |                              |
| 87 | BC |       | 3    | TR   | COHO  | 33816                        |              | 0.02         |   | 676          | 0     | 676   | D  |              |       |       | l                  |                              |
| 87 | BC |       | 4    | TR   | COHO  | 43273                        |              | 0.02         |   | 865          | 0     | 865   | D  |              |       |       |                    |                              |
| 87 | BC |       | 5    | TR   | COHO  | 10691                        |              | 0.02         |   | 214          | 0     | 214   | D  |              |       |       |                    |                              |
| 87 | BC |       | 6    | GN   | COHO  | 3086                         |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 6    | SE   | COHO  | 33650                        |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 6    | TR   | COHO  | 25671                        |              | 0.13         |   | 3337         | 0     | 3337  | D  |              |       |       |                    |                              |
| 87 | BC |       | 7    | GN   | COHO  | 3789                         |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 7    | SE   | COHO  | 18204                        |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 7    | TR   | COHO  | 23270                        |              | 0.13         | 0.10  | 3025         | 2327  | 698   | D  |              |       |       | m                  |                              |
| 87 | BC |       | 8    | GN   | COHO  | 6604                         |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 8    | SE   | COHO  | 18124                        |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 8    | TR   | COHO  | 18783                        |              | 0.13         | 0.10  | 2442         | 1878  | 563   | D  |              |       |       | m                  |                              |
| 87 | BC |       | 9    | GN   | COHO  | 4552                         |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 9    | SE   | COHO  | 0                            |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 9    | TR   | COHO  | 2325                         |              | 0.13         | 0.10  | 302          | 233   | 70    | D  |              |       |       | m                  |                              |
| 87 | BC |       | 10   | GN   | COHO  | 5235                         |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 10   | TR   | COHO  | 14351                        |              | 0.13         | 0.10  | 1866         | 1435  | 431   | D  |              |       |       | m                  |                              |
| 87 | BC |       | 11   | GN   | COHO  | 2829                         |              | 0.07         |   | 198          | 0     | 198   | D  |              |       |       |                    |                              |
| 87 | BC |       | 11   | SE   | COHO  | 0                            |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 11   | TR   | COHO  | 120878                       |              | 0.13         | 0.10  | 15714        | 12088 | 3626  | D  |              |       |       |                    |                              |
| 87 | BC |       | 12   | GN   | COHO  | 16250                        |              | 0.07         |   | 1138         | 0     | 1138  | D  |              |       |       |                    |                              |
| 87 | BC |       | 12   | SE   | COHO  | 28375                        |              | 0.07         |   | 1986         | 0     | 1986  | D  |              |       |       |                    |                              |
| 87 | BC |       | 12   | TR   | COHO  | 5822                         |              | 0.16         | 0.15  | 932          | 873   | 58    | D  |              |       |       |                    |                              |
| 87 | BC |       | 13   | GN   | COHO  | 1327                         |              | 0.07         |   | 93           | 0     | 93    | D  |              |       |       |                    |                              |
| 87 | BC |       | 13   | SE   | COHO  | 11883                        |              | 0.07         |   | 832          | 0     | 832   | D  |              |       |       |                    |                              |
| 87 | BC |       | 13   | TR   | COHO  | 41231                        |              | 0.16         | 0.08  | 6597         | 3298  | 3298  | D  |              |       |       |                    |                              |
| 87 | BC |       | 14   | GN   | COHO  | 4007                         |              | 0.09         |   | 361          | 0     | 361   | D  |              |       |       |                    |                              |
| 87 | BC |       | 14   | SE   | COHO  | 3149                         |              | 0.09         |   | 283          | 0     | 283   | D  |              |       |       |                    |                              |
| 87 | BC |       | 14   | TR   | COHO  | 136560                       |              | 0.16         | 0.08  | 21850        | 10925 | 10925 | D  |              |       |       |                    |                              |
| 87 | BC |       | 15   | GN   | COHO  | 0                            |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 15   | SE   | COHO  | 0                            |              |              |   | 0            | 0     | 0     | D  |              |       |       |                    |                              |
| 87 | BC |       | 15   | TR   | COHO  | 17977                        |              | 0.16         | 0.08  | 2876         | 1438  | 1438  | D  |              |       |       |                    |                              |
| 87 | BC |       | 16   | GN   | COHO  | 1797                         |              | 0.14         |   | 252          | 0     | 252   | D  |              |       |       |                    |                              |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |                   | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |                   | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|--|-------------------|-------------------|----------|--|-------------------|-------------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i                                    | U.S.<br>Est.<br>k | Can.<br>Est.<br>l |          | Diff.<br>m   | U.S.<br>Est.<br>p | Can.<br>Est.<br>q |            |                         |                                   |
| 87      | BC      |           | 16        | SE        | COHO       | 4762                            |                   | 0.14   |                   | 667               | 0        | 667  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 16        | TR        | COHO       | 4412                            |                   | 0.16   | 0.08              | 706               | 353      | 353  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 17        | GN        | COHO       | 304                             |                   | 0.14   |                   | 43                | 0        | 43   | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 17        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 17        | TR        | COHO       | 10900                           |                   | 0.16   | 0.08              | 1744              | 872      | 872  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 18        | GN        | COHO       | 41                              |                   | 0.14   |                   | 6                 | 0        | 6  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 18        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 18        | TR        | COHO       | 1551                            |                   | 0.16   | 0.08              | 248               | 124      | 124  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 19        | GN        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 19        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 19        | TR        | COHO       | 0                               |                   |  | 0.08              | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 20        | GN        | COHO       | 22199                           |                   | 0.85   | 0.45              | 18869             | 9990     | 8880   | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 20        | SE        | COHO       | 194214                          |                   | 0.85   | 0.45              | 165082            | 87396    | 77686  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 20        | TR        | COHO       | 189                             |                   | 0.78   | 0.50              | 147               | 95       | 53   | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 21        | GN        | COHO       | 3716                            |                   | 0.25   |                   | 929               | 0        | 929  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 21        | SE        | COHO       | 2913                            |                   | 0.25   |                   | 728               | 0        | 728  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 21        | TR        | COHO       | 124816                          |                   | 0.59   | 0.43              | 73641             | 53671    | 19971  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 22        | GN        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 22        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 22        | TR        | COHO       | 325                             |                   | 0.75   | 0.43              | 244               | 140      | 104  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 23        | GN        | COHO       | 47                              |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 23        | SE        | COHO       | 55                              |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 23        | TR        | COHO       | 699633                          |                   | 0.59   | 0.43              | 412783            | 300842   | 111941   | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 24        | GN        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 24        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 24        | TR        | COHO       | 471491                          |                   | 0.59   | 0.43              | 278180            | 202741   | 75439  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 25        | GN        | COHO       | 499                             |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 25        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 25        | TR        | COHO       | 109134                          |                   | 0.20   | 0.25              | 21827             | 27284    | -5457  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 26        | GN        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 26        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 26        | TR        | COHO       | 124943                          |                   | 0.20   | 0.25              | 24989             | 31236    | -6247  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 27        | GN        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 27        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 27        | SP        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 27        | TR        | COHO       | 290928                          |                   | 0.20   | 0.25              | 58186             | 72732    | -14546   | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 28        | GN        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 28        | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 28        | TR        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 29AB      | GN        | COHO       | 6025                            |                   | 0.14   |                   | 844               | 0        | 844  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 29AB      | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 29AB      | TR        | COHO       | 4900                            |                   | 0.16   | 0.08              | 784               | 392      | 392  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 29C       | GN        | COHO       | 84                              |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |
| 87      | BC      |           | 29C       | SE        | COHO       | 0                               |                   |  |                   | 0                 | 0        | 0  | D                 |                   |            |                         |                                   |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |                                   |
| 87      | BC      |           | 29C       | TR        | COHO       | 0                               |                   |                   | 0   | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 87      | BC      |           | 29D       | GN        | COHO       | 423                             |                   |                   | 0   | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 87      | BC      |           | 29D       | SE        | COHO       | 0                               |                   |                   | 0   | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 87      | BC      |           | 29D       | TR        | COHO       | 0                               |                   |                   | 0   | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 87      | BC      |           | 29E       | GN        | COHO       | 0                               |                   |                   | 0   | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 87      | BC      |           | 29E       | SE        | COHO       | 0                               |                   |                   | 0   | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 87      | BC      |           | 29E       | TR        | COHO       | 0                               |                   |                   | 0   | 0                 | 0          | D        |  |                   |            |            |                         |                                   |
| 87      | BC      |           | 30        | TR        | COHO       | 3377                            | 0.13              | 0.10              | 439   | 338               | 101        | D        |  |                   |            |            | n                       |                                   |
| 87      | BC      |           | GS        | SP        | COHO       | 642000                          | 0.17              | 0.07              | 109140  | 44940             | 64200      | D        | 1246218  | 867640            | 378579     |            | o                       |                                   |
| 87      | WA      |           | 01        | SP        | COHO       | 54304                           |                   | 0.07              | 0   | 3801              | -3801      | E        |  |                   |            |            | p                       |                                   |
| 87      | WA      |           | 01        | TR        | COHO       | 10844                           | 0.01              | 0.07              | 108   | 759               | -651       | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 02        | SP        | COHO       | 41479                           | 0.02              | 0.07              | 830   | 2904              | -2074      | E        |  |                   |            |            | p                       |                                   |
| 87      | WA      |           | 02        | TR        | COHO       | 44776                           | 0.04              | 0.10              | 1791  | 4478              | -2687      | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 03        | SP        | COHO       | 2741                            | 0.01              | 0.25              | 27  | 685               | -658       | E        |  |                   |            |            | p                       |                                   |
| 87      | WA      |           | 03        | TR        | COHO       | 22645                           | 0.06              | 0.30              | 1359  | 6794              | -5435      | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 04        | GN        | COHO       | 8                               | 0.11              | 0.35              | 1   | 3                 | -2         | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 04        | ON        | COHO       | 32                              | 0.11              | 0.35              | 4   | 11                | -8         | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 04        | SP        | COHO       | 25406                           | 0.09              | 0.30              | 2287  | 7622              | -5335      | E        |  |                   |            |            | p                       |                                   |
| 87      | WA      |           | 04        | TR        | COHO       | 53577                           | 0.10              | 0.35              | 5358  | 18752             | -13394     | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 04B       | GN        | COHO       | 3743                            | 0.11              | 0.35              | 412   | 1310              | -898       | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 04B       | SN        | COHO       | 213                             | 0.11              | 0.35              | 23  | 75                | -51        | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 04B       | TR        | COHO       | 5171                            |                   | 0.35              | 0   | 1810              | -1810      | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 05        | GN        | COHO       | 56727                           | 0.11              | 0.35              | 6240  | 19854             | -13614     | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 05        | ON        | COHO       | 0                               | 0.11              | 0.35              | 0   | 0                 | 0          | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 05        | SE        | COHO       | 0                               | 0.11              | 0.35              | 0   | 0                 | 0          | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 05        | SN        | COHO       | 852                             | 0.11              | 0.35              | 94  | 298               | -204       | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 05        | SP        | COHO       | 80101                           | 0.11              | 0.30              | 8811  | 24030             | -15219     | E        |  |                   |            |            | p                       |                                   |
| 87      | WA      |           | 05        | TR        | COHO       | 3085                            |                   | 0.35              | 0   | 1080              | -1080      | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06        | GN        | COHO       | 1287                            | 0.11              | 0.35              | 142   | 450               | -309       | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06        | ON        | COHO       | 1                               | 0.11              | 0.35              | 0   | 0                 | -0         | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06        | SE        | COHO       | 0                               | 0.11              | 0.35              | 0   | 0                 | 0          | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06        | SP        | COHO       | 45614                           | 0.11              | 0.30              | 5018  | 13684             | -8667      | E        |  |                   |            |            | p                       |                                   |
| 87      | WA      |           | 06        | TR        | COHO       | 15                              |                   | 0.35              | 0   | 5                 | -5         | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06C       | GN        | COHO       | 1301                            | 0.11              | 0.35              | 143   | 455               | -312       | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06C       | ON        | COHO       | 0                               | 0.11              | 0.35              | 0   | 0                 | 0          | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06C       | SN        | COHO       | 6                               | 0.11              | 0.35              | 1   | 2                 | -1         | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06C       | TR        | COHO       | 656                             |                   | 0.35              | 0   | 230               | -230       | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06D       | GN        | COHO       | 4471                            |                   | 0.01              | 0   | 45                | -45        | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06D       | SE        | COHO       | 3                               |                   | 0.01              | 0   | 0                 | -0         | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 06D       | SN        | COHO       | 1769                            |                   | 0.01              | 0   | 18                | -18        | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 07        | GN        | COHO       | 18388                           | 0.33              | 0.80              | 6068  | 14710             | -8642      | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 07        | ON        | COHO       | 6381                            | 0.33              | 0.80              | 2106  | 5105              | -2999      | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 07        | SE        | COHO       | 23999                           | 0.33              | 0.80              | 7920  | 19199             | -11280     | E        |  |                   |            |            | q                       |                                   |
| 87      | WA      |           | 07        | SN        | COHO       | 358                             | 0.33              | 0.80              | 118   | 286               | -168       | E        |  |                   |            |            | q                       |                                   |

U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR | Ju | Area | Gear | Spec | Catch | Adjusted Catch | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |       | CAT    | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |           |       | Notes | Alaska Hatchery | Alaska Special Harvest |
|----|----|------|------|------|-------|----------------|------------------------------|-----------|--|-----------|-------|--------|--|-----------|-------|-------|-----------------|------------------------|
|    |    |      |      |      |       |                | U.S. Est.                    | Can. Est. | U.S. Est.  | Can. Est. | Diff. |        | U.S. Est.  | Can. Est. | Diff. |       |                 |                        |
| a  | b  | c    | d    | e    | f     | g              | h                            | i         | k  | l         | m     | o      | p  | q         | r     | t     | u               | v                      |
| 87 | WA |      | 07   | SP   | COHO  | 10717          |                              | 0.27      | 0.85   | 2894      | 9109  | -6216  | E  |           |       |       |                 | p                      |
| 87 | WA |      | 07A  | GN   | COHO  | 18203          |                              | 0.33      | 0.90   | 6007      | 16383 | -10376 | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07A  | ON   | COHO  | 0              |                              | 0.33      | 0.90   | 0         | 0     | 0      | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07A  | SE   | COHO  | 10563          |                              | 0.33      | 0.90   | 3486      | 9507  | -6021  | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07A  | SN   | COHO  | 134            |                              | 0.33      | 0.90   | 44        | 121   | -76    | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07B  | GN   | COHO  | 133505         |                              |           | 0.01   | 0         | 1335  | -1335  | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07B  | ON   | COHO  | 0              |                              |           | 0.01   | 0         | 0     | 0      | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07B  | SE   | COHO  | 30313          |                              |           | 0.01   | 0         | 303   | -303   | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07B  | SN   | COHO  | 24193          |                              |           | 0.01   | 0         | 242   | -242   | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07C  | GN   | COHO  | 13             |                              |           | 0.01   | 0         | 0     | -0     | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07C  | SE   | COHO  | 40             |                              |           | 0.01   | 0         | 0     | -0     | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07C  | SN   | COHO  | 0              |                              |           | 0.01   | 0         | 0     | 0      | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07D  | GN   | COHO  | 405            |                              |           | 0.01   | 0         | 4     | -4     | E  |           |       |       |                 | q                      |
| 87 | WA |      | 07D  | SN   | COHO  | 0              |                              |           | 0.01   | 0         | 0     | 0      | E  |           |       |       |                 | q                      |
| 87 | WA |      | 08   | GN   | COHO  | 118862         |                              |           | 0.01   | 0         | 11889 | -1189  | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 08   | ON   | COHO  | 6329           |                              |           | 0.01   | 0         | 63    | -63    | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 08   | SE   | COHO  | 55974          |                              |           | 0.01   | 0         | 560   | -560   | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 08   | SN   | COHO  | 23166          |                              |           | 0.01   | 0         | 232   | -232   | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 08   | SP   | COHO  | 11608          |                              |           | 0.05   | 0         | 580   | -580   | E  |           |       |       |                 | p                      |
| 87 | WA |      | 09   | GN   | COHO  | 1405           |                              |           | 0.01   | 0         | 14    | -14    | E  |           |       |       |                 | q                      |
| 87 | WA |      | 09   | ON   | COHO  | 0              |                              |           | 0.01   | 0         | 0     | 0      | E  |           |       |       |                 | q                      |
| 87 | WA |      | 09   | SE   | COHO  | 0              |                              |           | 0.01   | 0         | 0     | 0      | E  |           |       |       |                 | q                      |
| 87 | WA |      | 09   | SN   | COHO  | 8366           |                              |           | 0.01   | 0         | 84    | -84    | E  |           |       |       |                 | q                      |
| 87 | WA |      | 09   | SP   | COHO  | 56599          |                              |           | 0.05   | 0         | 2830  | -2830  | E  |           |       |       |                 | p                      |
| 87 | WA |      | 09A  | GN   | COHO  | 0              |                              |           | 0.01   | 0         | 0     | 0      | E  |           |       |       |                 | q                      |
| 87 | WA |      | 09A  | ON   | COHO  | 0              |                              |           | 0.01   | 0         | 0     | 0      | E  |           |       |       |                 | q                      |
| 87 | WA |      | 09A  | SN   | COHO  | 4546           |                              |           | 0.01   | 0         | 45    | -45    | E  |           |       |       |                 | q                      |
| 87 | WA |      | 10   | GN   | COHO  | 221041         |                              |           | 0.01   | 0         | 2210  | -2210  | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 10   | ON   | COHO  | 5              |                              |           | 0.01   | 0         | 0     | -0     | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 10   | SE   | COHO  | 180910         |                              |           | 0.01   | 0         | 1809  | -1809  | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 10   | SN   | COHO  | 15987          |                              |           | 0.01   | 0         | 160   | -160   | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 10   | SP   | COHO  | 27082          |                              |           | 0.05   | 0         | 1354  | -1354  | E  |           |       |       |                 | p                      |
| 87 | WA |      | 11   | GN   | COHO  | 75332          |                              |           | 0.01   | 0         | 753   | -753   | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 11   | ON   | COHO  | 18             |                              |           | 0.01   | 0         | 0     | -0     | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 11   | SE   | COHO  | 102882         |                              |           | 0.01   | 0         | 1029  | -1029  | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 11   | SN   | COHO  | 749            |                              |           | 0.01   | 0         | 7     | -7     | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 11   | SP   | COHO  | 22417          |                              |           | 0.05   | 0         | 1121  | -1121  | E  |           |       |       |                 | p                      |
| 87 | WA |      | 12   | GN   | COHO  | 29937          |                              |           | 0.01   | 0         | 299   | -299   | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 12   | ON   | COHO  | 1891           |                              |           | 0.01   | 0         | 19    | -19    | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 12   | SE   | COHO  | 44748          |                              |           | 0.01   | 0         | 447   | -447   | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 12   | SN   | COHO  | 30684          |                              |           | 0.01   | 0         | 307   | -307   | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 12   | SP   | COHO  | 2328           |                              |           | 0.05   | 0         | 116   | -116   | E  |           |       |       |                 | p                      |
| 87 | WA |      | 13   | GN   | COHO  | 16654          |                              |           | 0.01   | 0         | 167   | -167   | E  |           |       |       |                 | q/?                    |
| 87 | WA |      | 13   | ON   | COHO  | 139064         |                              |           | 0.01   | 0         | 1391  | -1391  | E  |           |       |       |                 | q/?                    |

## U.S. AND CANADIAN ESTIMATES OF COHO SALMON INTERCEPTIONS

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                   | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                   |            | CAT<br>o | ---- INTERCEPTION ----<br>--- CATEGORY SUMMARY --- |                   |            | Notes<br>t | Alaska<br>Hatchery<br>u | Alaska<br>Special<br>Harvest<br>v |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|-------------------|---|-------------------|------------|----------|--|-------------------|------------|------------|-------------------------|-----------------------------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can.<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Can.<br>Est.<br>l | Diff.<br>m |          | U.S.<br>Est.<br>p                                  | Can.<br>Est.<br>q | Diff.<br>r |            |                         |                                   |
| 87      | WA      |           | 13        | SE        | COHO       | 1133                            |                   |                   | 0.01  |                   | 0          | 11       | -11  | E                 |            |            | q/?                     |                                   |
| 87      | WA      |           | 13        | SN        | COHO       | 104131                          |                   |                   | 0.01  |                   | 0          | 1041     | -1041  | E                 |            |            | q/?                     |                                   |
| 87      | WA      |           | 13        | SP        | COHO       | 22988                           |                   |                   | 0.05  |                   | 0          | 1149     | -1149  | E                 |            |            | p                       |                                   |
| 87      | WA      |           | 54        | TR        | COHO       | 0                               |                   |                   |   |                   | 0          | 0        | 0  | E                 |            |            | s                       |                                   |
| 87      | WA      |           | 61        | TR        | COHO       | 1400                            |                   |                   |   |                   | 0          | 0        | 0  | E                 |            |            | s                       |                                   |
| 87      | WA      |           | 62        | TR        | COHO       | 0                               |                   |                   |   |                   | 0          | 0        | 0  | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 01        | TR        | COHO       | 7200                            |                   |                   | 0.01  | 0.01              | 72         | 72       | 0  | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 02        | SP        | COHO       | 25300                           |                   |                   | 0.01  | 0.01              | 253        | 253      | 0  | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 02        | TR        | COHO       | 7600                            |                   |                   | 0.01  | 0.01              | 76         | 76       | 0  | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 03        | SP        | COHO       | 16300                           |                   |                   | 0.01  | 0.01              | 163        | 163      | 0  | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 03        | TR        | COHO       | 75000                           |                   |                   | 0.01  | 0.01              | 750        | 750      | 0  | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 04        | SP        | COHO       | 64400                           |                   |                   |   | 0.01              | 0          | 644      | -644   | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 04        | TR        | COHO       | 82900                           |                   |                   |   | 0.01              | 0          | 829      | -829   | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 05        | SP        | COHO       | 54000                           |                   |                   |   | 0.01              | 0          | 540      | -540   | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 05        | TR        | COHO       | 177900                          |                   |                   |   | 0.01              | 0          | 1779     | -1779  | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 06        | SP        | COHO       | 17500                           |                   |                   |   | 0.01              | 0          | 175      | -175   | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 06        | TR        | COHO       | 4300                            |                   |                   |   | 0.01              | 0          | 43       | -43  | E                 |            |            | s                       |                                   |
| 87      | OR      |           | 07        | TR        | COHO       | 400                             |                   |                   |   | 0.01              | 0          | 4        | -4   | E                 |            |            | s                       |                                   |
|         |         |           |           |           |            |                                 |                   |                   |   |                   |            |          |  |                   |            |            | 62603 209777 -147174    |                                   |

COHO DATABASE FOOTNOTES:

- a/ Sport catches in Southeast Alaska were not included.
- b/ Alaska Department of Fish and Game, RUNTIME program, September, 1989.
- c/ Catches in Southeast Alaska fisheries were reduced by the estimated contribution by Southeast Alaska hatcheries and catches in hatchery Special Harvest Areas. Hatchery contributions to mixed stock fisheries were based on coded-wire tag estimates made by the ADF&G coded-wire Tag Lab in Juneau. Terminal catches of hatchery fish in special harvest areas were obtained from the ADF&G RUNTIME program. Catches for each by year and fishery are listed in Appendix Table 1.
- d/ Interception estimates for Annette Island fisheries were the same as those listed for other District 101 fisheries of the same gear type.
- e/ Stock composition estimates applied to the Southeast Alaska District 106 drift gill net fishery were listed under District 105 in Henry and Aro (1981). It was assumed that Henry and Aro intended these estimates for District 106 since there has been no drift gill net fishery in District 105.
- f/ No interception estimates were listed by Henry and Aro (1981) for the troll fishery in Southeast Alaska District 189. The interception estimate used was the same as that listed for District 181.
- g/ Canadian Area 1 net catches are for outside interception fisheries only, the fall inlet fisheries have been subtracted.
- h/ Canadian Area 2W interception rates were not estimated in Henry and Aro. There is no more information available so no interception estimate is provided.
- i/ The U.S. stock composition estimate for the Canadian Area 3 troll fishery was the weighted average of Henry and Aro's (1981) estimates for areas 3X and 3Y based on the catch distribution in 1978.
- j/ Canadian catches for subarea groupings 3-1 (formerly 3X), 3-2 to 3-4 (formerly 3Y), and subareas 3-7 to 3-17 (formerly 3Z) are derived by prorating inseason subarea catch estimates to the final total Area 3 sales slips. Reliable sales slip catches by subarea are not available.
- k/ Canadian catches for subarea 5-11 are derived by prorating inseason subarea catch estimates to the final Area 5 total sales slips. Sales slip catches are not recorded by subarea for Area 5.
- l/ Canadian Area 3 troll catches are reported for Area 3 total as subarea catches are not available as inseason or sales slip estimates.
- m/ Canadian troll catches and interception rates for fisheries in Area 7 through 10 were provided in Henry and Aro but not included in the joint interception committee report. This information has been added.
- n/ Canadian Area 30 was not reported in Henry and Aro, or in the Joint Interception Committee report. Area 30 catches were added, and the Area 7-11 troll interception rates were applied.
- o/ Strait of Georgia catch was combined into one category representing large coho and grilse. Further work is required to determine whether a split of the catch by size is possible.
- p/ Washington State Sport Catch Reports
- q/ WDF Historical Catch Landing System data base.

COHO DATABASE FOOTNOTES (continued):

q/? WDF Historical Catch Landing System data base. Includes all marine subareas.

r/ 1984 PFMC Review of Ocean Fisheries.

s/ 1987 PFMC Review of Ocean Fisheries

t/ Southern U.S. estimates of stock composition from the following sources:

1980 - 1982 from Base Period for WDF/NBS model calibration.

1983 from Final 1983 Preseason Model Run #8391.

1984 - 1986 from TCCOHO (89)-1, Report to the Southern Panel on Coho Stock Composition Estimates in the Southern Panel Area.

1987 from Final 1987 Preseason Model Run for ocean salmon fisheries.

Interception rates for Oregon Area 01 (north of Leadbetter) assumed same as Washington Area 02 (Grays Harbor)

**SPECIAL HARVEST AREA CATCHES AND ESTIMATES  
OF HATCHERY CONTRIBUTION FOR ALASKA FISHERIES**



**INTERCEPTION ESTIMATES: FRASER TECHNICAL COMMITTEE**

## **APPENDIX 5**

**FRASER TECHNICAL COMMITTEE (1980-1988 DATA)**

**INTERCEPTION ESTIMATES: SOCKEYE AND PINK**

**COMMITTEE RESPONSE TO JIC**

**INTERCEPTION ESTIMATES: SOCKEYE AND PINK**

Fraser Technical Committee

FRASER RIVER TECHNICAL COMMITTEE SALMON INTERCEPTION ESTIMATES

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                    | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                    |           | ----- INTERCEPTION ---<br>--- CATEGORY SUMMARY - |                   |                    |           | Notes<br>t     |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|--------------------|---|--------------------|-----------|--|-------------------|--------------------|-----------|----------------|
|         |         |           |           |           |            | Adjusted<br>g                   | U.S.<br>Est.<br>h | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r |                |
| 81      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 346601  | 346601             | 0         | D  | 346601            | 346601             | 0         |                |
| 83      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 326585  | 326585             | 0         | D  | 326585            | 326585             | 0         |                |
| 85      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 1204356   | 1204356            | 0         | D  | 1204356           | 1204356            | 0         |                |
| 87      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 1083506   | 1083506            | 0         | D  | 1083506           | 1083506            | 0         |                |
| 81      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 3900076   | 3900076            | 0         | E  | 3900076           | 3900076            | 0         |                |
| 83      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 1818920   | 1818920            | 0         | E  | 1818920           | 1818920            | 0         |                |
| 85      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 3848144   | 3848144            | 0         | E  | 3848144           | 3848144            | 0         |                |
| 87      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 1451608   | 1451608            | 0         | E  | 1451608           | 1451608            | 0         |                |
| 81      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 260   | 260                | 0         |  | 260               | 260                | 0         | D Test Fishery |
| 83      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 401   | 401                | 0         |  | 401               | 401                | 0         | D Test Fishery |
| 85      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 1793  | 1793               | 0         |  | 1793              | 1793               | 0         | D Test Fishery |
| 87      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 9380  | 9380               | 0         |  | 9380              | 9380               | 0         | D Test Fishery |
| 81      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 1969  | 1969               | 0         |  | 1969              | 1969               | 0         | E Test Fishery |
| 83      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 2333  | 2333               | 0         |  | 2333              | 2333               | 0         | E Test Fishery |
| 85      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 706   | 706                | 0         |  | 706               | 706                | 0         | E Test Fishery |
| 87      | SC      | FRASER    | ALL       | PINK      |            |                                 |                   |                    | 1007  | 1007               | 0         |  | 1007              | 1007               | 0         | E Test Fishery |

## Fraser Technical Committee

## FRASER RIVER TECHNICAL COMMITTEE SALMON INTERCEPTION ESTIMATES

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   |                    | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |                    |           | ---- INTERCEPTION ---<br>--- CATEGORY SUMMARY - |                   |                    |           | Notes<br>t     |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|--------------------|---|--------------------|-----------|---|-------------------|--------------------|-----------|----------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                 | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o  | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r |                |
| 80      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 1778  | 1778               | 0         | D   | 1778              | 1778               | 0         |                |
| 81      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 50  | 50                 | 0         | D   | 50                | 50                 | 0         |                |
| 82      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 250   | 250                | 0         | D   | 250               | 250                | 0         |                |
| 83      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 0   | 0                  | 0         | D   | 0                 | 0                  | 0         |                |
| 84      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 0   | 0                  | 0         | D   | 0                 | 0                  | 0         |                |
| 85      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 0   | 0                  | 0         | D   | 0                 | 0                  | 0         |                |
| 86      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 0   | 0                  | 0         | D   | 0                 | 0                  | 0         |                |
| 87      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 0   | 0                  | 0         | D   | 0                 | 0                  | 0         |                |
| 88      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 250   | 250                | 0         | D   | 250               | 250                | 0         |                |
| 80      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 459507  | 459507             | 0         | E   | 459507            | 459507             | 0         |                |
| 81      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 1283922   | 1283922            | 0         | E   | 1283922           | 1283922            | 0         |                |
| 82      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 2856000   | 2856000            | 0         | E   | 2856000           | 2856000            | 0         |                |
| 83      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 370985  | 370985             | 0         | E   | 370985            | 370985             | 0         |                |
| 84      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 1635000   | 1635000            | 0         | E   | 1635000           | 1635000            | 0         |                |
| 85      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 2914483   | 2914483            | 0         | E   | 2914483           | 2914483            | 0         |                |
| 86      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 2722000   | 2722000            | 0         | E   | 2722000           | 2722000            | 0         |                |
| 87      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 1921000   | 1921000            | 0         | E   | 1921000           | 1921000            | 0         |                |
| 88      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 668000  | 668000             | 0         | E   | 668000            | 668000             | 0         |                |
| 80      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 2102  | 2102               | 0         |   | 2102              | 2102               | 0         | D Test Fishery |
| 81      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 1919  | 1919               | 0         |   | 1919              | 1919               | 0         | D Test Fishery |
| 82      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 2533  | 2533               | 0         |   | 2533              | 2533               | 0         | D Test Fishery |
| 83      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 2413  | 2413               | 0         |   | 2413              | 2413               | 0         | D Test Fishery |
| 84      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 2177  | 2177               | 0         |   | 2177              | 2177               | 0         | D Test Fishery |
| 85      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 1035  | 1035               | 0         |   | 1035              | 1035               | 0         | D Test Fishery |
| 86      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 1355  | 1355               | 0         |   | 1355              | 1355               | 0         | D Test Fishery |
| 87      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 1064  | 1064               | 0         |   | 1064              | 1064               | 0         | D Test Fishery |
| 88      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 3445  | 3445               | 0         |   | 3445              | 3445               | 0         | D Test Fishery |
| 80      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 5062  | 5062               | 0         |   | 5062              | 5062               | 0         | E Test Fishery |
| 81      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 8987  | 8987               | 0         |   | 8987              | 8987               | 0         | E Test Fishery |
| 82      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 6872  | 6872               | 0         |   | 6872              | 6872               | 0         | E Test Fishery |
| 83      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 2637  | 2637               | 0         |   | 2637              | 2637               | 0         | E Test Fishery |
| 84      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 5053  | 5053               | 0         |   | 5053              | 5053               | 0         | E Test Fishery |
| 85      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 8301  | 8301               | 0         |   | 8301              | 8301               | 0         | E Test Fishery |
| 86      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 13793   | 13793              | 0         |   | 13793             | 13793              | 0         | E Test Fishery |
| 87      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 6000  | 6000               | 0         |   | 6000              | 6000               | 0         | E Test Fishery |
| 88      | SC      | FRASER    | All       | SOCK      |            |                                 |                   |                    | 10675   | 10675              | 0         |   | 10675             | 10675              | 0         | E Test Fishery |

**COMMITTEE RESPONSE TO JIC**

MEMORANDUM

TO: Joint Interceptions Committee  
FROM: Fraser Technical Committee  
SUBJECT: 1980-88 Interception Estimates  
DATE: November 1, 1989

=====  
The enclosed LOTUS 123 disk files and tables contain revised estimates of interceptions of Southern British Columbia and Washington State origin sockeye and pink salmon for categories D and E interceptions. Also enclosed are estimates of Fraser River sockeye and pink salmon caught in Alaska (category A interceptions). Copies of this information are being provided to the Northern Boundary Technical Committee for their information. These revised estimates were generated by the Pacific Salmon Commission (PSC) staff, and reviewed and agreed to by the Fraser Technical Committee as the best available estimates at this time (subject to several qualifications described below). Copies of the specific information provided by the PSC staff are also enclosed.

Please note the following clarifications:

- A) The Fraser Panel authorizes test fishing in both countries and these catches are excluded from the catch accounting. These catches have been subtracted from the interception numbers as provided in the Lotus 123 files, but are subscribed to the files. The technical committee suggests that the Joint Interception Committee decide on their inclusion in the interception tables;
- B) no stock composition estimates are available for pinks caught during even years in southern areas. Even year pink catches in Southern Vancouver Island, the Fraser River and Washington, are small and interceptions are likely negligible, and therefore, are not included;
- C) estimates considered to be preliminary have been rounded;
- D) the sockeye interception estimates are based on analysis of scale patterns. Both countries agree that this stock identification method is providing reliable results.
- E) Prior to 1983, estimates of Fraser River sockeye catch in Alaska were not made. Prior to 1985, estimates of Southern B.C. and Washington pink (Study Area stocks) catches in Alaska and Northern B.C. were not made.

The Fraser Technical Committee accepts the attached interception tables with the qualifications listed below. The stock identification methods used for pink salmon are run reconstruction for years prior to 1987 and genetic stock identification (GSI) methods for 1987.

A) the pink run reconstruction method used for years prior to 1987 has not yet been reviewed by the technical committee. The interception estimates based on run reconstruction are, therefore, subject to change.

B) the GSI based estimates have a yet not agreed to bias, but an agreed correction procedure is not yet available. Therefore, the 1987 interception estimates have not been corrected for bias, and will change when a bias correction method is developed.

### Recommendation

The Fraser Technical Committee has identified the need for further work on the development of a standard GSI bias correction method.



# PACIFIC SALMON COMMISSION

ESTABLISHED BY TREATY BETWEEN CANADA  
AND THE UNITED STATES OF AMERICA  
MARCH 17, 1985

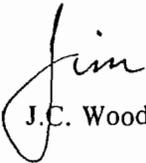
600 - 1155 ROBSON STREET  
VANCOUVER, B.C. V6E 1B9  
TELEPHONE: (604) 684-8081  
FAX: (604) 666-8707

November 1, 1989

TO: Fraser Panel Technical Committee  
FROM: J.C. Woodey, Chief, Fisheries Management Division  
RE: Sockeye and pink salmon interception estimates.

---

Attached are the PSC's "best estimates" of Fraser River sockeye and pink salmon catches in Washington/Oregon fisheries (Category E). In addition, by-products of our racial analyses, the Washington/Oregon catches of Canadian non-Fraser (Johnstone Strait/Study Area) pink salmon (Category E) and British Columbia catches of Washington sockeye and pink salmon (Category D) are provided. Alaska catches of Fraser River sockeye and pink salmon (Category A) are provided so that you will have the data for discussions with the Northern Boundary Technical Committee. Please note that we have not made estimates of Alaska catches of Johnstone Strait pinks (if any) because of the difficulty in racial identification of these fish.

  
J.C. Woodey

PSC File 62001

SOCKEYE

Category A

(Alaska interception of British Columbia salmon)\*  
(Fraser River sockeye salmon only)

| <u>Year</u> | <u>Commercial<br/>Catch</u> |
|-------------|-----------------------------|
| 1980        | Nil                         |
| 1981        | Nil                         |
| 1982        | Nil                         |
| 1983        | 95,811                      |
| 1984(p)     | Nil                         |
| 1985        | 10,263                      |
| 1986(p)     | 12,000                      |
| 1987(p)     | 5,000                       |
| 1988(p)     | Nil                         |

\* Data obtained in PSC estimates of Fraser River sockeye catches in the District 104 fishery.

(p) Preliminary data - commercial catches rounded

SOCKEYE

Category D

(B.C. interceptions of Washington/Oregon/Idaho/California salmon)\*

| <u>Year</u> | <u>Commercial<br/>Catch</u> | <u>Commission<br/>Test Fishing</u> | <u>Total</u> |
|-------------|-----------------------------|------------------------------------|--------------|
| 1980        | 1,778                       | 2,102                              | 3,880        |
| 1981        | 50                          | 1,919                              | 1,969        |
| 1982(p)     | 250                         | 2,533                              | 2,783        |
| 1983        | 0                           | 2,413                              | 2,413        |
| 1984(p)     | 0                           | 2,177                              | 2,177        |
| 1985        | 0                           | 1,035                              | 1,035        |
| 1986(p)     | 0                           | 1,355                              | 1,355        |
| 1987(p)     | 0                           | 1,064                              | 1,064        |
| 1988(p)     | 250                         | 3,445                              | 3,695        |

\* Data obtained from PSC estimates of racial composition of B.C. fishery catches.

(p) Preliminary data - commercial catches rounded.

SOCKEYE

Category E

(Washington/Oregon interceptions of B.C. Salmon)\*

| <u>Year</u> | <u>Commercial</u> | <u>Commission<br/>Test Fishing</u> | <u>Total</u> |
|-------------|-------------------|------------------------------------|--------------|
| 1980        | 459,507           | 5,062                              | 464,569      |
| 1981        | 1,283,922         | 8,987                              | 1,292,909    |
| 1982(p)     | 2,856,000         | 6,872                              | 2,862,872    |
| 1983        | 370,985           | 2,637                              | 373,622      |
| 1984(p)     | 1,635,000         | 5,053                              | 1,640,053    |
| 1985        | 2,914,483         | 8,301                              | 2,922,784    |
| 1986(p)     | 2,722,000         | 13,793                             | 2,735,793    |
| 1987(p)     | 1,921,000         | 6,000                              | 1,927,000    |
| 1988(p)     | 668,000           | 10,675                             | 678,675      |

\* Data obtained from PSC estimates of racial composition of Washington fishery catches.

(p) Preliminary data - commercial catches rounded.

PINK

Category A

(Alaska Interception of British Columbia salmon)\*  
(Fraser River pink salmon only)

| <u>Year</u> | <u>Commercial<br/>Catch</u> |
|-------------|-----------------------------|
| 1980        | --                          |
| 1981        | --                          |
| 1982        | --                          |
| 1983        | --                          |
| 1984        | --                          |
| 1985        | 10,389                      |
| 1986        | --                          |
| 1987        | 864                         |
| 1988        | --                          |

\* Data obtained from PSC estimates of Fraser River pink salmon catches in the District 104 fishery.

PINK

Category D

(B.C. interceptions of Washington/Oregon/Idaho/California salmon)\*

| <u>Year</u> | <u>Commercial<br/>Catch</u> | <u>Commission<br/>Test Fishing</u> | <u>Total</u> |
|-------------|-----------------------------|------------------------------------|--------------|
| 1980        | --                          | --                                 | --           |
| 1981        | 346,601                     | 260                                | 346,861      |
| 1982        | --                          | --                                 | --           |
| 1983        | 326,585                     | 401                                | 326,986      |
| 1984        | --                          | --                                 | --           |
| 1985        | 1,204,356**                 | 1,793                              | 1,206,149    |
| 1986        | --                          | --                                 | --           |
| 1987        | 1,083,506**                 | 9,380                              | 1,092,886    |
| 1988        | --                          | --                                 | --           |

\* Data obtained from PSC estimates of racial composition of B.C. fishery catches.

\*\* Includes north coast B.C. catches.

PINK

Category E

(Washington/Oregon interception of B.C. salmon)\*

| Year | FRASER RIVER PINK SALMON    |                                    |              | CANADIAN NON-FRASER         |                                    |              |
|------|-----------------------------|------------------------------------|--------------|-----------------------------|------------------------------------|--------------|
|      | <u>Commercial<br/>Catch</u> | <u>Commission<br/>Test Fishing</u> | <u>Total</u> | <u>Commercial<br/>Catch</u> | <u>Commission<br/>Test Fishing</u> | <u>Total</u> |
| 1980 | --                          | --                                 | --           | --                          | --                                 | --           |
| 1981 | 3,848,580                   | 1,944                              | 3,850,524    | 51,496                      | 25                                 | 51,521       |
| 1982 | --                          | --                                 | --           | --                          | --                                 | --           |
| 1983 | 1,799,299                   | 2,308                              | 1,801,607    | 19,621                      | 25                                 | 19,646       |
| 1984 | --                          | --                                 | --           | --                          | --                                 | --           |
| 1985 | 3,823,977                   | 702                                | 3,824,679    | 24,167                      | 4                                  | 24,171       |
| 1986 | --                          | --                                 | --           | --                          | --                                 | --           |
| 1987 | 1,337,597                   | 929                                | 1,338,526    | 114,011                     | 78                                 | 114,089      |
| 1988 | --                          | --                                 | --           | --                          | --                                 | --           |

\* Data obtained from PSC estimates of racial composition of Washington/Oregon fishery catches.

## CANADIAN NORTHERN BOUNDARY FOOTNOTES - CHUM

### Catches

B.C. Commercial catches of chum represent sales slip data from publications of B.C. Catch Statistics (CDFO 1980-1987). The 1988 data is preliminary sales slip data. Areas 3, 4 and 5 have been partitioned into outside and inside catches using sales slip data to prorate inseason sub-area hail data. Area 3 catch data is separated into sub-areas 3(-1), 3(2-4) and 3(7-17) and Area 5 outer sub-areas, 5(-10,-11,-12) are separated from inside sub-areas for all years, 1980-1988. Area 4 outer sub-areas, 4(-1,-2,-3,-13) are separated from the rest of Area 4 for years 1984-1988. (Area 4 hail data was not collected by sub-area prior to 1984). Area 1 is partitioned into outside and inside catches for 1984-1988. No terminal fisheries were conducted in Area 1 during the period 1980-1983.

U.S. catch statistics were provided by the U.S. These catch strata were also subdivided into outside and terminal catch areas.

### Interceptions:

For southeast Alaska fisheries, chum interception rates by area and gear are the Canadian estimates from the tenth report of the Canada/U.S. Technical Committee on Salmon Interceptions (Henry and Aro, TCSI 1981). B.C. interceptions of southeast Alaska chum salmon were based on Canadian estimates of fixed, annual interception rates by Area (Subarea) and gear from TCSI (1981). For Area 5, TCSI (1981) provided an estimate for the outside of Area 5 (sub-area 5-1), and inside interceptions were assumed to be zero. The Area 3 troll estimate of interceptions was averaged from TCSI (1981) estimates for 3X and 3Y troll.

For certain fisheries, no interception estimates were available. Where appropriate, interception estimates from similar fisheries were applied, otherwise the interception rate was left blank.

New catch strata:

Canadian fisheries - Interceptions in Areas 2E gillnet, seine and troll and 2W gillnet, seine and troll were assumed to be zero. For troll strata in Areas 3, 4 and 5, the interception rate for outside net areas was applied.

Alaskan fisheries - For District 101-outside troll, the District 101-outside seine rate was applied. For all District 101 Annette fisheries (gillnet, seine, other), the District 101-outside seine rate was also applied. For all District 101 terminal fisheries (gillnet, seine and troll), interceptions were assumed to be zero. For District 102 gillnet and troll the District 102 seine rate was applied. Districts 103 and 104 seine rates were utilized for the troll fisheries in these strata. District 105 was assumed to have zero interceptions.

## CANADIAN NORTHERN BOUNDARY NOTES - SOCKEYE

### Catch:

B.C. Commercial catches of chum represent sales slip data from publications of B.C. Catch Statistics (CDFO 1980-1987). The 1988 data is preliminary sales slip data. Areas 3, 4 and 5 have been partitioned into outside and inside catches using sales slip data to prorate inseason sub-area hail data. Area 3 catch data is separated into sub-areas 3(-1), 3(2-4) and 3(7-17) and Area 5 outer sub-areas, 5(-10,-11,-12) are separated from inside sub-areas for all years, 1980-1988. Area 4 outer sub-areas, 4(-1,-2,-3,-13) are separated from the rest of Area 4 for years 1984-1988. (Area 4 hail data was not collected by sub-area prior to 1984). Area 1 is partitioned into outside and inside catches for 1984-1988. No terminal fisheries were conducted in Area 1 during the period 1980-1983.

U.S. catch statistics were provided by the U.S. These catch strata were also subdivided into outside and terminal catch areas.

### Interceptions:

Estimates of contributions of Canadian sockeye stocks (excluding Stikine River sockeye) to southern southeast Alaska fisheries are based on 1982 and 1983 results from the joint North Coast Salmon Tagging Project (Gazey et al, 1983, and English et al, draft 1989), and 1982, 1983, 1985-1988 results from ADFG scale pattern analyses (SPA) (Oliver et al 1984, Oliver and Jensen 1986, Oliver 1988, Oliver and Farrington, September 1989). Estimates from these sources were averaged to estimate interception rates for Districts and years not covered by the studies. Otherwise, actual estimates were used (tagging and SPA results were averaged for Districts and years when both sources were available).

Estimates of Stikine sockeye interceptions in Districts 106 and 108 (Category B1) are reported by the Transboundary Technical Committee.

Estimates of U.S. sockeye contributions to B.C. fisheries are based on 1982 and 1983 results from the joint North Coast Salmon Tagging Project (English et al. 1985a, 1985c; Gazey et al, 1983), and 1984 to 1986 results from Canadian electrophoretic, scale (freshwater age) and parasite sampling (ESP) (C. Wood, CDFO, pers.comm.). Estimates from these sources were averaged to estimate interception rates for areas and years not covered by the studies. Otherwise, actual estimates were used (tagging and ESP results were averaged for areas and years when both sources were available. Catch of

Stikine sockeye in Canadian ocean fisheries was assumed to be negligible.

For certain fisheries, no interception estimates were available. Where appropriate, interception estimates from similar fisheries were applied, otherwise the interception rate was left blank. Some examples follow: neither the international tagging program nor electrophoretic analysis provided estimates of interception for Area 1 troll, therefore, the Area 1 net interception rates (derived from the average of both methods) were applied. The interception rate for Area 1 was applied to outside Area 1 catch, while the inside interceptions were assumed to be zero. For Area 4, the interception rates calculated from tagging and electrophoretic analysis were based on data obtained from the outer portion of Area 4. For the years 1984-1988, when catch data for both outside and inside Area 4 are available, this rate is applied to the outside catch and zero interceptions are assumed for more terminal, inside catches. For the years 1980-1983, when only total Area 4 catch is available, the rate was increased to .990 (from .960) and applied to the total Area 4 catch. Similarly, the outer Area 5 tagging rate was applied to outside sockeye catches and the inside rate was assumed to be zero.

New catch strata for which there was no interception rates included:

Canadian fisheries - Area 2E gillnet, seine and troll and 2W gillnet, seine and troll. Interceptions in these fisheries was assumed to be zero. For troll strata in Areas 3, 4 and 5, the interception rate for outside net areas was applied.

Alaskan fisheries - District 101-outside troll, applied the District 101-outside seine rate. For all District 101 Annette fisheries (gillnet, seine, other), the District 101-outside seine rate was also applied. For all District 101 terminal fisheries (gillnet, seine and troll), interceptions were assumed to be zero. For District 102 gillnet and troll the District 102 seine rate was applied. Districts 103 and 104 seine rates were utilized for the troll fisheries in these strata. District 105 was assumed to have zero interceptions. The following strata were left blank: Districts 106-44, 107-out, 107-45, 108-45 and 152 troll.

## CANADIAN NORTHERN BOUNDARY NOTES - PINK

### Catches

B.C. Commercial catches of pink represent sales slip data from publications of B.C. Catch Statistics (CDFO 1980-1987). The 1988 data is preliminary sales slip data. Areas 3, 4 and 5 have been partitioned into outside and inside catches using sales slip data to prorate inseason sub-area hail data. Area 3 catch data is separated into sub-areas 3(-1), 3(2-4) and 3(7-17) and Area 5 outside sub-areas, 5(-10,-11,-12) are separated from inside sub-areas for all years, 1980-1988. Area 4 outer sub-areas, 4(-1,-2,-3,-13) are separated from the rest of Area 4 for years 1984-1988. (Area 4 hail data was not collected by sub-area prior to 1984). Area 1 is partitioned into outside and inside catches for 1984-1988. No terminal fisheries were conducted in Area 1 during the period 1980-1983.

U.S. catch statistics were provided by the U.S. These catch strata were also subdivided into outside and terminal catch areas.

### Interceptions:

Odd and even year pink salmon are intercepted at different rates by Southeast Alaska and northern B.C. fisheries (Anon 1965; Hollett 1970; English et al. 1985b, 1985d, Taylor et al. 1986). For odd years, Alaskan interceptions of B.C. (Northern Boundary) pinks are based on annual interception rates from the 1985 North Coast Salmon Tagging Project (Taylor et al. 1986). For odd years other than the 1985 tagging year, interception rates in each fishery were adjusted for relative changes in B.C. and Alaskan pink abundance. Annual abundance estimates are the sum of escapements and total catches in Canadian and U.S. interception areas. Areas 1, 3, 4 and 5 escapements are from CDFO escapement databases. Alaskan escapement estimates are peak counts provided by G. Oliver, ADFG. (Dec.28, 1988). These were doubled to provide total southern southeast Alaska escapements.

For even years, Alaskan interceptions of B.C. (Northern Boundary) pinks are based on averaged annual interception rates from 1982 and 1984 Northern Boundary pink salmon tagging (English et al. 1985b, 1985d, draft 1989). For even years other than the 1982 and 1984 tagging years, interception rates in each fishery were adjusted for relative changes in B.C. and Alaskan pink abundance.

For odd years, B.C. interceptions of Alaskan pinks are based on annual interception rates from the 1985 North Coast Salmon Tagging Project (Taylor et al. 1986), adjusted for

fluctuations in abundance. The 1985 tagging study provided interception rates for Area 1 troll, partitioned into three zones. These zones included groupings of subareas 1) near the A-B line, 2) through the central portion of Dixon Strait, and 3) across the top end of the Queen Charlotte Islands. Hail catch data for these three zones is available for 1984 to 1987. For earlier years, averages of the hail proportions for 1984-1987 were applied to the Area 1 total troll catch each year (from published sales slip data).

For even years, B.C. interceptions of Alaskan pinks are based on averaged annual interception rates from 1982 and 1984 Northern Boundary pink salmon tagging (English et al. 1985b, 1985d), adjusted for fluctuations in abundance. The Area 1 troll interception estimates by grouped management subareas were based on 1985 tagging as described above. Adjustment for abundance in years other than the 1982 and 1984 tagging years is described above also.

For certain fisheries, no interception estimate was available. Where appropriate, interception estimates from similar fisheries were applied, otherwise the interception rate was left blank. Some examples follow: The interception rate for Area 1 was applied to outside Area 1 catch, while the inside interceptions were assumed to be zero. For Area 4, the interception rates calculated from tagging from the outer portion of Area 4. For the years 1984-1988, when data for both outside and inside Area 4 are available, this rate is applied to the outside catch and zero interceptions are assumed for more terminal, inside catches. For the years 1980-1983, when only total Area 4 catch is available, the catch was apportioned into outside and inside divisions based on the proportion of the catch taken in each division by gear type. Similarly, the outer Area 5 tagging rate was applied to outside sockeye catches and the inside rate was assumed to be zero.

New catch strata for which there was no interception rates included:

Canadian fisheries / Area 2E gillnet, seine and troll and 2W gillnet, seine and troll. Interceptions in these fisheries were assumed to be zero. For troll strata in Areas 3, 4 and 5, the interception rate for outside net areas was applied.

Alaskan fisheries - District 101-outside troll, applied the District 101-outside seine rate. For all District 101 Annette fisheries (gillnet, seine, other), the District 101-outside seine rate was also applied. For all District 101 terminal fisheries (gillnet, seine and troll), interceptions were assumed to be zero. For District 102 gillnet and troll the District 102 seine rate was applied. Districts 103 and 104 seine rates were utilized for the troll fisheries in these strata. District 105 was assumed to have zero interceptions.

The following strata were left blank: Districts 106-44, 107-out, 107-45, 108-45 and 152 troll.

## **APPENDIX 6**

**CHUM TECHNICAL COMMITTEE (1980-1987 DATA)**

**INTERCEPTION ESTIMATES: CHUM**

**COMMITTEE RESPONSE TO JIC**

**INTERCEPTION ESTIMATES: CHUM**

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |      |       | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |       |      | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |       |       |      | Notes   |
|----|----|------|------|------|--------|------------------------------|------|-------|---|-------|------|--|-------|-------|------|---------|
|    |    |      |      |      |        | Adjusted                     | U.S. | Candn | U.S.  | Candn | Diff | CAT  | U.S.  | Candn | Diff |         |
| a  | b  | c    | d    | e    | f      | g                            | h    | i     | k   | l     | m    | o  | p     | q     | r    | t       |
| 80 | BC | 11   | CN   | CHUM | 15184  | 15184                        | 0.00 | 0.00  | 0   | 0     | 0    | D  |       |       |      | C       |
| 80 | BC | 11   | TR   | CHUM | 17720  | 17720                        | 0.00 | 0.00  | 0   | 0     | 0    | D  |       |       |      | A       |
| 80 | BC | 12   | CO   | CHUM | 411292 | 411292                       | 0.04 | 0.04  | 18089   | 18089 | 0    | D  |       |       |      | B/C-*   |
| 80 | BC | 12   | IF   | CHUM | 0      | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      | B/C-*   |
| 80 | BC | 13   | CO   | CHUM | 314152 | 314052                       | 0.05 | 0.05  | 15574   | 15574 | 0    | D  |       |       |      | B/C-*   |
| 80 | BC | 13   | IF   | CHUM | 12155  | 12155                        | 0.05 | 0.05  | 620   | 620   | 0    | D  |       |       |      | B/C-*   |
| 80 | BC | 14   | CO   | CHUM | 85982  | 2                            | 0.00 | 0.00  | 0   | 0     | 0    | D  |       |       |      | B/C-*   |
| 80 | BC | 14   | IF   | CHUM | 4576   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      | B/C-*   |
| 80 | BC | 15   | CO   | CHUM | 6      | 6                            | 0.00 | 0.00  | 0   | 0     | 0    | D  |       |       |      | B/C-B/C |
| 80 | BC | 15   | IF   | CHUM | 3000   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 16   | CO   | CHUM | 377    | 377                          | 0.00 | 0.00  | 0   | 0     | 0    | D  |       |       |      | B/C-*   |
| 80 | BC | 16   | IF   | CHUM | 1500   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 17   | CO   | CHUM | 145    | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      | B/C-*   |
| 80 | BC | 17   | IF   | CHUM | 2750   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 18   | CO   | CHUM | 12     | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      | B/C-A   |
| 80 | BC | 18   | IF   | CHUM | 1000   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 19   | IF   | CHUM | 1055   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 20   | CN   | CHUM | 61305  | 61305                        | 0.19 | 0.19  | 11464   | 11464 | 0    | D  |       |       |      | D       |
| 80 | BC | 20   | IF   | CHUM | 120    | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 20   | TR   | CHUM | 861    | 861                          | 0.19 | 0.19  | 161   | 161   | 0    | D  |       |       |      | D       |
| 80 | BC | 21   | CN   | CHUM | 0      | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 21   | TR   | CHUM | 161    | 161                          | 0.03 | 0.03  | 5   | 5     | 0    | D  |       |       |      |         |
| 80 | BC | 22   | CN   | CHUM | 279211 | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 22   | IF   | CHUM | 0      | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 23   | CN   | CHUM | 90261  | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 23   | IF   | CHUM | 0      | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 23   | TR   | CHUM | 1778   | 1778                         | 0.03 | 0.03  | 60  | 60    | 0    | D  |       |       |      |         |
| 80 | BC | 24   | CN   | CHUM | 35786  | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 24   | IF   | CHUM | 3700   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 24   | TR   | CHUM | 5363   | 5363                         | 0.03 | 0.03  | 182   | 182   | 0    | D  |       |       |      |         |
| 80 | BC | 25   | CN   | CHUM | 216661 | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 25   | IF   | CHUM | 0      | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 25   | TR   | CHUM | 813    | 813                          | 0.03 | 0.03  | 28  | 28    | 0    | D  |       |       |      |         |
| 80 | BC | 26   | CN   | CHUM | 166278 | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 26   | IF   | CHUM | 1420   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 26   | TR   | CHUM | 1245   | 1245                         | 0.03 | 0.03  | 42  | 42    | 0    | D  |       |       |      |         |
| 80 | BC | 27   | CN   | CHUM | 8      | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 27   | IF   | CHUM | 0      | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 27   | TR   | CHUM | 12517  | 12517                        | 0.00 | 0.00  | 0   | 0     | 0    | D  |       |       |      | A       |
| 80 | BC | 28   | CO   | CHUM | 68     | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 28   | IF   | CHUM | 4952   | 0                            |      |       | 0   | 0     | 0    | D  |       |       |      |         |
| 80 | BC | 29   | CO   | CHUM | 76997  | 3259                         | 0.05 | 0.05  | 163   | 163   | 0    | D  |       |       |      |         |
| 80 | BC | 29   | IF   | CHUM | 12333  | 0                            |      |       | 0   | 0     | 0    | D  | 46390 | 46390 | 0    |         |
| 80 | WA | 04   | SP   | CHUM | 1      | 1                            | 0.00 | 0.00  | 0   | 0     | 0    | E  |       |       |      | B       |
| 80 | WA | 04   | TR   | CHUM | 30     | 30                           | 0.00 | 0.00  | 0   | 0     | 0    | E  |       |       |      | B       |
| 80 | WA | 04A  | CN   | CHUM | 0      | 0                            |      |       | 0   | 0     | 0    | E  |       |       |      |         |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |            | -- CATCH OF FISH BOUND --<br>FOR OTHER COUNTRY -- |            |        | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |           |            | Notes  |      |         |
|----|----|------|------|------|--------|------------------------------|------------|---|------------|--------|--|-----------|------------|--------|------|---------|
|    |    |      |      |      |        | Adjusted                     | U.S. Candn | U.S. Est.   | Candn Est. | Diff   | CAT  | U.S. Est. | Candn Est. |        | Diff |         |
| a  | b  | c    | d    | e    | f      | g                            | h          | i   | k          | l      | m  | o         | p          | q      | r    | t       |
| 80 | WA | 04B  | CN   | CHUM | 3970   | 3970                         | 0.29       | 0.29  | 1151       | 1151   | 0  | E         |            |        |      | D       |
| 80 | WA | 04B  | TR   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | E         |            |        |      | D       |
| 80 | WA | 05   | CN   | CHUM | 7440   | 7440                         | 0.29       | 0.29  | 2158       | 2158   | 0  | E         |            |        |      | D       |
| 80 | WA | 05   | SP   | CHUM | 87     | 87                           | 0.29       | 0.29  | 25         | 25     | 0  | E         |            |        |      | D       |
| 80 | WA | 05   | TR   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | E         |            |        |      | D       |
| 80 | WA | 06   | CN   | CHUM | 5686   | 5686                         | 0.50       | 0.50  | 2843       | 2843   | 0  | E         |            |        |      | E       |
| 80 | WA | 06   | SP   | CHUM | 13     | 13                           | 0.50       | 0.50  | 7          | 7      | 0  | E         |            |        |      | E       |
| 80 | WA | 06   | TR   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | E         |            |        |      | E       |
| 80 | WA | 06C  | CN   | CHUM | 45     | 45                           | 0.29       | 0.29  | 13         | 13     | 0  | E         |            |        |      | D       |
| 80 | WA | 06C  | TR   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | E         |            |        |      | D       |
| 80 | WA | 07   | CN   | CHUM | 201090 | 201090                       | 0.71       | 0.71  | 142573     | 142573 | 0  | E         |            |        |      | D       |
| 80 | WA | 07   | SP   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | E         |            |        |      | D       |
| 80 | WA | 07A  | CN   | CHUM | 143185 | 143185                       | 0.76       | 0.76  | 108105     | 108105 | 0  | E         |            |        |      | D       |
| 80 | WA | 07B  | CN   | CHUM | 3843   | 3843                         | 0.00       | 0.00  | 0          | 0      | 0  | E         |            |        |      | C/B     |
| 80 | WA | 08   | CN   | CHUM | 52774  | 0                            |            |   | 0          | 0      | 0  | E         |            |        |      |         |
| 80 | WA | 08   | SP   | CHUM | 247    | 0                            |            |   | 0          | 0      | 0  | E         |            |        |      |         |
| 80 | WA | 08A  | CN   | CHUM | 32292  | 0                            |            |   | 0          | 0      | 0  | E         |            |        |      |         |
| 80 | WA | 09   | CN   | CHUM | 25017  | 25017                        | 0.00       | 0.00  | 0          | 0      | 0  | E         |            |        |      | A/B     |
| 80 | WA | 09   | SP   | CHUM | 210    | 210                          | 0.00       | 0.00  | 0          | 0      | 0  | E         | 256874     | 256874 | 0    | A/B     |
| 81 | BC | 11   | CN   | CHUM | 5395   | 5395                         | 0.00       | 0.00  | 0          | 0      | 0  | D         |            |        |      | C       |
| 81 | BC | 11   | TR   | CHUM | 5880   | 5880                         | 0.00       | 0.00  | 0          | 0      | 0  | D         |            |        |      | A       |
| 81 | BC | 12   | CO   | CHUM | 75120  | 75120                        | 0.03       | 0.03  | 1914       | 1914   | 0  | D         |            |        |      | B/C-*   |
| 81 | BC | 12   | IF   | CHUM | 4700   | 4700                         | 0.05       | 0.05  | 240        | 240    | 0  | D         |            |        |      | B/C-*   |
| 81 | BC | 13   | CO   | CHUM | 24753  | 24753                        | 0.04       | 0.04  | 961        | 961    | 0  | D         |            |        |      | B/C-*   |
| 81 | BC | 13   | IF   | CHUM | 6779   | 6779                         | 0.05       | 0.05  | 346        | 346    | 0  | D         |            |        |      | B/C-*   |
| 81 | BC | 14   | CO   | CHUM | 52828  | 32061                        | 0.04       | 0.04  | 1218       | 1218   | 0  | D         |            |        |      | B/C-*   |
| 81 | BC | 14   | IF   | CHUM | 13044  | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      | B/C-*   |
| 81 | BC | 15   | CO   | CHUM | 4      | 4                            | 0.00       | 0.00  | 0          | 0      | 0  | D         |            |        |      | B/C-B/C |
| 81 | BC | 15   | IF   | CHUM | 5500   | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 16   | CO   | CHUM | 845    | 845                          | 0.00       | 0.00  | 0          | 0      | 0  | D         |            |        |      | B/C-*   |
| 81 | BC | 16   | IF   | CHUM | 1500   | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 17   | CO   | CHUM | 1945   | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      | B/C-*   |
| 81 | BC | 17   | IF   | CHUM | 2200   | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 18   | CO   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      | B/C-A   |
| 81 | BC | 18   | IF   | CHUM | 2000   | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 19   | IF   | CHUM | 1000   | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 20   | CN   | CHUM | 8267   | 8267                         | 0.19       | 0.19  | 1546       | 1546   | 0  | D         |            |        |      | D       |
| 81 | BC | 20   | IF   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 20   | TR   | CHUM | 162    | 162                          | 0.19       | 0.19  | 30         | 30     | 0  | D         |            |        |      | D       |
| 81 | BC | 21   | CN   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 21   | TR   | CHUM | 568    | 568                          | 0.03       | 0.03  | 19         | 19     | 0  | D         |            |        |      |         |
| 81 | BC | 22   | CN   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 22   | IF   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 23   | CN   | CHUM | 18072  | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 23   | IF   | CHUM | 0      | 0                            |            |   | 0          | 0      | 0  | D         |            |        |      |         |
| 81 | BC | 23   | TR   | CHUM | 1495   | 1495                         | 0.03       | 0.03  | 51         | 51     | 0  | D         |            |        |      | D       |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                |                     | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |          |                |                     | Notes<br>t |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|----------------|--|----------------|---------------------|--|----------|----------------|---------------------|------------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S. Est.<br>h | Canndn<br>Est.<br>i                                  | U.S. Est.<br>k | Canndn<br>Est.<br>l | Diff<br>m  | CAT<br>o | U.S. Est.<br>p | Canndn<br>Est.<br>q |            |
| 81      | BC      | 24        | CN        | CHUM      | 22350      | 0                               |                |  |                | 0                   | D  |          |                |                     |            |
| 81      | BC      | 24        | IF        | CHUM      | 4200       | 0                               |                |  |                | 0                   | D  |          |                |                     |            |
| 81      | BC      | 24        | TR        | CHUM      | 1368       | 1368                            | 0.03           | 0.03   | 47             | 47                  | 0  | D        |                |                     |            |
| 81      | BC      | 25        | CN        | CHUM      | 41255      | 0                               |                |  |                |                     | 0  | D        |                |                     |            |
| 81      | BC      | 25        | IF        | CHUM      | 450        | 0                               |                |  |                |                     | 0  | D        |                |                     |            |
| 81      | BC      | 25        | TR        | CHUM      | 985        | 985                             | 0.03           | 0.03   | 33             | 33                  | 0  | D        |                |                     |            |
| 81      | BC      | 26        | CN        | CHUM      | 50521      | 0                               |                |  |                |                     | 0  | D        |                |                     |            |
| 81      | BC      | 26        | IF        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | D        |                |                     |            |
| 81      | BC      | 26        | TR        | CHUM      | 397        | 397                             | 0.03           | 0.03   | 13             | 13                  | 0  | D        |                |                     |            |
| 81      | BC      | 27        | CN        | CHUM      | 3721       | 0                               |                |  |                |                     | 0  | D        |                |                     |            |
| 81      | BC      | 27        | IF        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | D        |                |                     |            |
| 81      | BC      | 27        | TR        | CHUM      | 4560       | 4560                            | 0.00           | 0.00   | 0              | 0                   | 0  | D        |                |                     | A          |
| 81      | BC      | 28        | CO        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | D        |                |                     |            |
| 81      | BC      | 28        | IF        | CHUM      | 4440       | 0                               |                |  |                |                     | 0  | D        |                |                     |            |
| 81      | BC      | 29        | CO        | CHUM      | 8791       | 1018                            | 0.05           | 0.05   | 51             | 51                  | 0  | D        |                |                     |            |
| 81      | BC      | 29        | IF        | CHUM      | 11170      | 0                               |                |  |                |                     | 0  | D        | 6469           | 6469                | 0          |
| 81      | WA      | 04        | SP        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     | B          |
| 81      | WA      | 04        | TR        | CHUM      | 7          | 7                               | 0.00           | 0.00   | 0              | 0                   | 0  | E        |                |                     | B          |
| 81      | WA      | 04A       | CN        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     |            |
| 81      | WA      | 04B       | CN        | CHUM      | 183        | 183                             | 0.29           | 0.29   | 53             | 53                  | 0  | E        |                |                     | D          |
| 81      | WA      | 04B       | TR        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     | D          |
| 81      | WA      | 05        | CN        | CHUM      | 2142       | 2142                            | 0.29           | 0.29   | 621            | 621                 | 0  | E        |                |                     | D          |
| 81      | WA      | 05        | SP        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     | D          |
| 81      | WA      | 05        | TR        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     | D          |
| 81      | WA      | 06        | CN        | CHUM      | 891        | 891                             | 0.50           | 0.50   | 446            | 446                 | 0  | E        |                |                     | E          |
| 81      | WA      | 06        | SP        | CHUM      | 82         | 82                              | 0.50           | 0.50   | 41             | 41                  | 0  | E        |                |                     | E          |
| 81      | WA      | 06        | TR        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     | E          |
| 81      | WA      | 06C       | CN        | CHUM      | 81         | 81                              | 0.29           | 0.29   | 23             | 23                  | 0  | E        |                |                     | D          |
| 81      | WA      | 06C       | TR        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     | D          |
| 81      | WA      | 07        | CN        | CHUM      | 7163       | 7163                            | 0.71           | 0.71   | 5079           | 5079                | 0  | E        |                |                     | D          |
| 81      | WA      | 07        | SP        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     | D          |
| 81      | WA      | 07A       | CN        | CHUM      | 1997       | 1997                            | 0.76           | 0.76   | 1508           | 1508                | 0  | E        |                |                     | D          |
| 81      | WA      | 07B       | CN        | CHUM      | 10956      | 10956                           | 0.00           | 0.00   | 0              | 0                   | 0  | E        |                |                     | C/B        |
| 81      | WA      | 08        | CN        | CHUM      | 39172      | 0                               |                |  |                |                     | 0  | E        |                |                     |            |
| 81      | WA      | 08        | SP        | CHUM      | 0          | 0                               |                |  |                |                     | 0  | E        |                |                     |            |
| 81      | WA      | 08A       | CN        | CHUM      | 38946      | 0                               |                |  |                |                     | 0  | E        |                |                     |            |
| 81      | WA      | 09        | CN        | CHUM      | 47173      | 47173                           | 0.00           | 0.00   | 0              | 0                   | 0  | E        |                |                     | A/B        |
| 81      | WA      | 09        | SP        | CHUM      | 439        | 439                             | 0.00           | 0.00   | 0              | 0                   | 0  | E        | 7771           | 7771                | 0          |
| 82      | BC      | 11        | CN        | CHUM      | 19567      | 19567                           | 0.00           | 0.00   | 0              | 0                   | 0  | D        |                |                     | C          |
| 82      | BC      | 11        | TR        | CHUM      | 2595       | 2595                            | 0.00           | 0.00   | 0              | 0                   | 0  | D        |                |                     | A          |
| 82      | BC      | 12        | CO        | CHUM      | 694299     | 694299                          | 0.05           | 0.05   | 32631          | 32631               | 0  | D        |                |                     | B/C-*      |
| 82      | BC      | 12        | IF        | CHUM      | 8456       | 8456                            | 0.05           | 0.05   | 431            | 431                 | 0  | D        |                |                     | B/C-*      |
| 82      | BC      | 13        | CO        | CHUM      | 472852     | 428918                          | 0.05           | 0.05   | 21648          | 21648               | 0  | D        |                |                     | B/C-*      |
| 82      | BC      | 13        | IF        | CHUM      | 12733      | 12733                           | 0.05           | 0.05   | 649            | 649                 | 0  | D        |                |                     | B/C-*      |
| 82      | BC      | 14        | CO        | CHUM      | 197360     | 49979                           | 0.04           | 0.04   | 1899           | 1899                | 0  | D        |                |                     | B/C-*      |
| 82      | BC      | 14        | IF        | CHUM      | 1212       | 0                               |                |  |                |                     | 0  | D        |                |                     | B/C-*      |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |            | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |            |      | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |           |            | Notes |      |         |
|----|----|------|------|------|--------|------------------------------|------------|--|------------|------|--|-----------|------------|-------|------|---------|
|    |    |      |      |      |        | Adjusted                     | U.S. Candn | U.S. Est.  | Candn Est. | Diff | CAT  | U.S. Est. | Candn Est. |       | Diff |         |
| a  | b  | c    | d    | e    | f      | g                            | h          | i  | k          | l    | m  | o         | p          | q     | r    | t       |
| 82 | BC | 15   | CO   | CHUM | 3      | 3                            | 0.00       | 0.00   | 0          | 0    | 0  | D         |            |       |      | B/C-B/C |
| 82 | BC | 15   | IF   | CHUM | 6000   | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 16   | CO   | CHUM | 1467   | 1467                         | 0.00       | 0.00   | 0          | 0    | 0  | D         |            |       |      | B/C-*   |
| 82 | BC | 16   | IF   | CHUM | 664    | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 17   | CO   | CHUM | 36026  | 11644                        | 0.08       | 0.08   | 932        | 932  | 0  | D         |            |       |      | B/C-*   |
| 82 | BC | 17   | IF   | CHUM | 3588   | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 18   | CO   | CHUM | 4644   | 7                            | 0.00       | 0.00   | 0          | 0    | 0  | D         |            |       |      | B/C-A   |
| 82 | BC | 18   | IF   | CHUM | 2000   | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 19   | IF   | CHUM | 6200   | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 20   | CN   | CHUM | 14539  | 14539                        | 0.19       | 0.19   | 2719       | 2719 | 0  | D         |            |       |      | D       |
| 82 | BC | 20   | IF   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 20   | TR   | CHUM | 50     | 50                           | 0.19       | 0.19   | 9          | 9    | 0  | D         |            |       |      | D       |
| 82 | BC | 21   | CN   | CHUM | 2      | 2                            | 0.03       | 0.03   | 0          | 0    | 0  | D         |            |       |      |         |
| 82 | BC | 21   | TR   | CHUM | 626    | 626                          | 0.03       | 0.03   | 21         | 21   | 0  | D         |            |       |      |         |
| 82 | BC | 22   | CN   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 22   | IF   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 23   | CN   | CHUM | 1014   | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 23   | IF   | CHUM | 600    | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 23   | TR   | CHUM | 7042   | 7042                         | 0.03       | 0.03   | 239        | 239  | 0  | D         |            |       |      |         |
| 82 | BC | 24   | CN   | CHUM | 37908  | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 24   | IF   | CHUM | 5000   | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 24   | TR   | CHUM | 12395  | 12395                        | 0.03       | 0.03   | 421        | 421  | 0  | D         |            |       |      |         |
| 82 | BC | 25   | CN   | CHUM | 258497 | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 25   | IF   | CHUM | 350    | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 25   | TR   | CHUM | 10132  | 10132                        | 0.03       | 0.03   | 344        | 344  | 0  | D         |            |       |      |         |
| 82 | BC | 26   | CN   | CHUM | 224002 | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 26   | IF   | CHUM | 300    | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 26   | TR   | CHUM | 3069   | 3069                         | 0.03       | 0.03   | 104        | 104  | 0  | D         |            |       |      |         |
| 82 | BC | 27   | CN   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 27   | IF   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 27   | TR   | CHUM | 39622  | 39622                        | 0.00       | 0.00   | 0          | 0    | 0  | D         |            |       |      | A       |
| 82 | BC | 28   | CO   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 28   | IF   | CHUM | 4281   | 0                            |            |  | 0          |      | 0  | D         |            |       |      |         |
| 82 | BC | 29   | CO   | CHUM | 63271  | 15045                        | 0.05       | 0.05   | 752        | 752  | 0  | D         |            |       |      |         |
| 82 | BC | 29   | IF   | CHUM | 19233  | 0                            |            |  | 0          |      | 0  | D         | 62802      | 62802 | 0    |         |
| 82 | WA | 04   | SP   | CHUM | 13     | 13                           | 0.00       | 0.00   | 0          | 0    | 0  | E         |            |       |      | B       |
| 82 | WA | 04   | TR   | CHUM | 199    | 199                          | 0.00       | 0.00   | 0          | 0    | 0  | E         |            |       |      | B       |
| 82 | WA | 04A  | CN   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | E         |            |       |      |         |
| 82 | WA | 04B  | CN   | CHUM | 697    | 697                          | 0.29       | 0.29   | 202        | 202  | 0  | E         |            |       |      | D       |
| 82 | WA | 04B  | TR   | CHUM | 8      | 8                            | 0.29       | 0.29   | 2          | 2    | 0  | E         |            |       |      | D       |
| 82 | WA | 05   | CN   | CHUM | 4399   | 4399                         | 0.29       | 0.29   | 1276       | 1276 | 0  | E         |            |       |      | D       |
| 82 | WA | 05   | SP   | CHUM | 47     | 47                           | 0.29       | 0.29   | 14         | 14   | 0  | E         |            |       |      | D       |
| 82 | WA | 05   | SP   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | E         |            |       |      | D       |
| 82 | WA | 06   | CN   | CHUM | 110    | 110                          | 0.50       | 0.50   | 55         | 55   | 0  | E         |            |       |      | E       |
| 82 | WA | 06   | SP   | CHUM | 33     | 33                           | 0.50       | 0.50   | 17         | 17   | 0  | E         |            |       |      | E       |
| 82 | WA | 06   | TR   | CHUM | 0      | 0                            |            |  | 0          |      | 0  | E         |            |       |      | E       |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch  | Adjusted<br>Catch | PROP BOUND FOR<br>OTHER COUNTRY |                | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                |      | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |              |                | Notes |         |
|----|----|------|------|------|--------|-------------------|---------------------------------|----------------|--|----------------|------|--|--------------|----------------|-------|---------|
|    |    |      |      |      |        |                   | U.S.<br>Est.                    | Canchn<br>Est. | U.S.<br>Est.   | Canchn<br>Est. | Diff | CAT  | U.S.<br>Est. | Canchn<br>Est. |       | Diff    |
| a  | b  | c    | d    | e    | f      | g                 | h                               | i              | k  | l              | m    | o  | p            | q              | r     | t       |
| 82 | WA | 06C  | CN   | CHUM | 49     | 49                | 0.29                            | 0.29           | 14   | 14             | 0    | E  |              |                |       | D       |
| 82 | WA | 06C  | TR   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | E  |              |                |       | D       |
| 82 | WA | 07   | CN   | CHUM | 41275  | 41275             | 0.71                            | 0.71           | 29264  | 29264          | 0    | E  |              |                |       | D       |
| 82 | WA | 07   | SP   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | E  |              |                |       | D       |
| 82 | WA | 07A  | CN   | CHUM | 34786  | 34786             | 0.76                            | 0.76           | 26263  | 26263          | 0    | E  |              |                |       | D       |
| 82 | WA | 07B  | CN   | CHUM | 45869  | 45869             | 0.00                            | 0.00           | 0  | 0              | 0    | E  |              |                |       | C/B     |
| 82 | WA | 08   | CN   | CHUM | 106197 | 0                 |                                 |                |  |                | 0    | E  |              |                |       |         |
| 82 | WA | 08   | SP   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | E  |              |                |       |         |
| 82 | WA | 08A  | CN   | CHUM | 86355  | 0                 |                                 |                |  |                | 0    | E  |              |                |       |         |
| 82 | WA | 09   | CN   | CHUM | 175170 | 175170            | 0.00                            | 0.00           | 0  | 0              | 0    | E  |              |                |       | A/B     |
| 82 | WA | 09   | SP   | CHUM | 616    | 616               | 0.00                            | 0.00           | 0  | 0              | 0    | E  | 57107        | 57107          | 0     | A/B     |
| 83 | BC | 11   | CN   | CHUM | 6444   | 6444              | 0.00                            | 0.00           | 0  | 0              | 0    | D  |              |                |       | C       |
| 83 | BC | 11   | TR   | CHUM | 11994  | 11994             | 0.00                            | 0.00           | 0  | 0              | 0    | D  |              |                |       | A       |
| 83 | BC | 12   | CO   | CHUM | 105035 | 105035            | 0.03                            | 0.03           | 3669   | 3669           | 0    | D  |              |                |       | B/C-*   |
| 83 | BC | 12   | IF   | CHUM | 7608   | 7608              | 0.05                            | 0.05           | 388  | 388            | 0    | D  |              |                |       | B/C-*   |
| 83 | BC | 13   | CO   | CHUM | 30273  | 30273             | 0.05                            | 0.05           | 1367   | 1367           | 0    | D  |              |                |       | B/C-*   |
| 83 | BC | 13   | IF   | CHUM | 77     | 77                | 0.05                            | 0.05           | 4  | 4              | 0    | D  |              |                |       | B/C-*   |
| 83 | BC | 14   | CO   | CHUM | 123525 | 72788             | 0.04                            | 0.04           | 2764   | 2764           | 0    | D  |              |                |       | B/C-*   |
| 83 | BC | 14   | IF   | CHUM | 3154   | 0                 |                                 |                |  |                | 0    | D  |              |                |       | B/C-*   |
| 83 | BC | 15   | CO   | CHUM | 10     | 10                | 0.00                            | 0.00           | 0  | 0              | 0    | D  |              |                |       | B/C-B/C |
| 83 | BC | 15   | IF   | CHUM | 4200   | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 16   | CO   | CHUM | 1231   | 1231              | 0.00                            | 0.00           | 0  | 0              | 0    | D  |              |                |       | B/C-*   |
| 83 | BC | 16   | IF   | CHUM | 1180   | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 17   | CO   | CHUM | 42     | 0                 |                                 |                |  |                | 0    | D  |              |                |       | B/C-*   |
| 83 | BC | 17   | IF   | CHUM | 9550   | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 18   | CO   | CHUM | 1      | 1                 | 0.00                            | 0.00           | 0  | 0              | 0    | D  |              |                |       | B/C-A   |
| 83 | BC | 18   | IF   | CHUM | 5000   | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 19   | IF   | CHUM | 4100   | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 20   | CN   | CHUM | 80     | 80                | 0.19                            | 0.19           | 15   | 15             | 0    | D  |              |                |       | D       |
| 83 | BC | 20   | IF   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 20   | TR   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | D  |              |                |       | D       |
| 83 | BC | 21   | CN   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 21   | TR   | CHUM | 421    | 421               | 0.03                            | 0.03           | 14   | 14             | 0    | D  |              |                |       |         |
| 83 | BC | 22   | CN   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 22   | IF   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 23   | CN   | CHUM | 397    | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 23   | IF   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 23   | TR   | CHUM | 1413   | 1413              | 0.03                            | 0.03           | 48   | 48             | 0    | D  |              |                |       |         |
| 83 | BC | 24   | CN   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 24   | IF   | CHUM | 2700   | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 24   | TR   | CHUM | 1410   | 1410              | 0.03                            | 0.03           | 48   | 48             | 0    | D  |              |                |       |         |
| 83 | BC | 25   | CN   | CHUM | 8104   | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 25   | IF   | CHUM | 600    | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 25   | TR   | CHUM | 1186   | 1186              | 0.03                            | 0.03           | 40   | 40             | 0    | D  |              |                |       |         |
| 83 | BC | 26   | CN   | CHUM | 0      | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |
| 83 | BC | 26   | IF   | CHUM | 1000   | 0                 |                                 |                |  |                | 0    | D  |              |                |       |         |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |            | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |            |      | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |           |            |      | Notes |         |
|----|----|------|------|------|--------|------------------------------|------------|--|------------|------|--|-----------|------------|------|-------|---------|
|    |    |      |      |      |        | Adjusted                     | U.S. Candn | U.S. Est.  | Candn Est. | Diff | CAT  | U.S. Est. | Candn Est. | Diff |       |         |
| a  | b  | c    | d    | e    | f      | g                            | h          | i  | k          | l    | m  | o         | p          | q    | r     | t       |
| 83 | BC | 26   | TR   | CHUM | 463    | 463                          | 0.03       | 0.03   | 16         | 16   | 0  | D         |            |      |       |         |
| 83 | BC | 27   | CN   | CHUM | 0      | 0                            |            |  |            |      | 0  | D         |            |      |       |         |
| 83 | BC | 27   | IF   | CHUM | 0      | 0                            |            |  |            |      | 0  | D         |            |      |       |         |
| 83 | BC | 27   | TR   | CHUM | 4085   | 4085                         | 0.00       | 0.00   | 0          | 0    | 0  | D         |            |      |       | A       |
| 83 | BC | 28   | CO   | CHUM | 0      | 0                            |            |  |            |      | 0  | D         |            |      |       |         |
| 83 | BC | 28   | IF   | CHUM | 2124   | 0                            |            |  |            |      | 0  | D         |            |      |       |         |
| 83 | BC | 29   | CO   | CHUM | 7913   | 3915                         | 0.05       | 0.05   | 196        | 196  | 0  | D         |            |      |       |         |
| 83 | BC | 29   | IF   | CHUM | 12637  | 0                            |            |  |            |      | 0  | D         | 8568       | 8568 | 0     |         |
| 83 | WA | 04   | SP   | CHUM | 5      | 5                            | 0.00       | 0.00   | 0          | 0    | 0  | E         |            |      |       | B       |
| 83 | WA | 04   | TR   | CHUM | 7      | 7                            | 0.00       | 0.00   | 0          | 0    | 0  | E         |            |      |       | B       |
| 83 | WA | 04A  | CN   | CHUM | 0      | 0                            |            |  |            |      | 0  | E         |            |      |       |         |
| 83 | WA | 04B  | CN   | CHUM | 1641   | 1641                         | 0.29       | 0.29   | 476        | 476  | 0  | E         |            |      |       | D       |
| 83 | WA | 04B  | TR   | CHUM | 1      | 1                            | 0.29       | 0.29   | 0          | 0    | 0  | E         |            |      |       | D       |
| 83 | WA | 05   | CN   | CHUM | 13659  | 13659                        | 0.29       | 0.29   | 3961       | 3961 | 0  | E         |            |      |       | D       |
| 83 | WA | 05   | SP   | CHUM | 24     | 24                           | 0.29       | 0.29   | 7          | 7    | 0  | E         |            |      |       | D       |
| 83 | WA | 05   | TR   | CHUM | 3      | 3                            | 0.29       | 0.29   | 1          | 1    | 0  | E         |            |      |       | D       |
| 83 | WA | 06   | CN   | CHUM | 123    | 123                          | 0.50       | 0.50   | 62         | 62   | 0  | E         |            |      |       | E       |
| 83 | WA | 06   | SP   | CHUM | 0      | 0                            |            |  |            |      | 0  | E         |            |      |       | E       |
| 83 | WA | 06   | TR   | CHUM | 0      | 0                            |            |  |            |      | 0  | E         |            |      |       | E       |
| 83 | WA | 06C  | CN   | CHUM | 3      | 3                            | 0.29       | 0.29   | 1          | 1    | 0  | E         |            |      |       | D       |
| 83 | WA | 06C  | TR   | CHUM | 0      | 0                            |            |  |            |      | 0  | E         |            |      |       | D       |
| 83 | WA | 07   | CN   | CHUM | 2238   | 2238                         | 0.71       | 0.71   | 1587       | 1587 | 0  | E         |            |      |       | D       |
| 83 | WA | 07   | SP   | CHUM | 35     | 35                           | 0.71       | 0.71   | 25         | 25   | 0  | E         |            |      |       | D       |
| 83 | WA | 07A  | CN   | CHUM | 386    | 386                          | 0.76       | 0.76   | 291        | 291  | 0  | E         |            |      |       | D       |
| 83 | WA | 07B  | CN   | CHUM | 37275  | 37275                        | 0.00       | 0.00   | 0          | 0    | 0  | E         |            |      |       | C/B     |
| 83 | WA | 08   | CN   | CHUM | 9365   | 0                            |            |  |            |      | 0  | E         |            |      |       |         |
| 83 | WA | 08   | SP   | CHUM | 0      | 0                            |            |  |            |      | 0  | E         |            |      |       |         |
| 83 | WA | 08A  | CN   | CHUM | 12144  | 0                            |            |  |            |      | 0  | E         |            |      |       |         |
| 83 | WA | 09   | CN   | CHUM | 72433  | 72433                        | 0.00       | 0.00   | 0          | 0    | 0  | E         |            |      |       | A/B     |
| 83 | WA | 09   | SP   | CHUM | 657    | 657                          | 0.00       | 0.00   | 0          | 0    | 0  | E         | 6410       | 6410 | 0     | A/B     |
| 84 | BC | 11   | CN   | CHUM | 664    | 664                          | 0.00       | 0.00   | 0          | 0    | 0  | D         |            |      |       | C       |
| 84 | BC | 11   | TR   | CHUM | 5775   | 5775                         | 0.00       | 0.00   | 0          | 0    | 0  | D         |            |      |       | A       |
| 84 | BC | 12   | CO   | CHUM | 47882  | 47882                        | 0.02       | 0.02   | 1178       | 1178 | 0  | D         |            |      |       | B/C-*   |
| 84 | BC | 12   | IF   | CHUM | 11906  | 11906                        | 0.05       | 0.05   | 607        | 607  | 0  | D         |            |      |       | B/C-*   |
| 84 | BC | 13   | CO   | CHUM | 16688  | 16688                        | 0.05       | 0.05   | 767        | 767  | 0  | D         |            |      |       | B/C-*   |
| 84 | BC | 13   | IF   | CHUM | 9000   | 9000                         | 0.05       | 0.05   | 459        | 459  | 0  | D         |            |      |       | B/C-*   |
| 84 | BC | 14   | CO   | CHUM | 164080 | 117803                       | 0.04       | 0.04   | 4476       | 4476 | 0  | D         |            |      |       | B/C-*   |
| 84 | BC | 14   | IF   | CHUM | 2000   | 0                            |            |  |            |      | 0  | D         |            |      |       | B/C-*   |
| 84 | BC | 15   | CO   | CHUM | 0      | 0                            |            |  |            |      | 0  | D         |            |      |       | B/C-B/C |
| 84 | BC | 15   | IF   | CHUM | 3000   | 0                            |            |  |            |      | 0  | D         |            |      |       |         |
| 84 | BC | 16   | CO   | CHUM | 96     | 96                           | 0.00       | 0.00   | 0          | 0    | 0  | D         |            |      |       | B/C-*   |
| 84 | BC | 16   | IF   | CHUM | 0      | 0                            |            |  |            |      | 0  | D         |            |      |       |         |
| 84 | BC | 17   | CO   | CHUM | 1      | 0                            |            |  |            |      | 0  | D         |            |      |       | B/C-*   |
| 84 | BC | 17   | IF   | CHUM | 8000   | 0                            |            |  |            |      | 0  | D         |            |      |       |         |
| 84 | BC | 18   | CO   | CHUM | 0      | 0                            |            |  |            |      | 0  | D         |            |      |       | B/C-A   |
| 84 | BC | 18   | IF   | CHUM | 4000   | 0                            |            |  |            |      | 0  | D         |            |      |       |         |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |      |       | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |       |      | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |       |       |      | Notes |
|----|----|------|------|------|--------|------------------------------|------|-------|--|-------|------|--|-------|-------|------|-------|
|    |    |      |      |      |        | Adjusted                     | U.S. | Candn | U.S.   | Candn | Diff | CAT  | U.S.  | Candn | Diff |       |
| a  | b  | c    | d    | e    | f      | g                            | h    | i     | k  | l     | m    | o  | p     | q     | r    | t     |
| 84 | BC | 19   | IF   | CHUM | 4500   | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 20   | CN   | CHUM | 567    | 567                          | 0.19 | 0.19  | 106  | 106   | 0    | D  |       |       |      | D     |
| 84 | BC | 20   | IF   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 20   | TR   | CHUM | 1      | 1                            | 0.19 | 0.19  | 0  | 0     | 0    | D  |       |       |      | D     |
| 84 | BC | 21   | CN   | CHUM | 186669 | 186669                       | 0.03 | 0.03  | 5600   | 5600  | 0    | D  |       |       |      |       |
| 84 | BC | 21   | TR   | CHUM | 292    | 292                          | 0.03 | 0.03  | 10   | 10    | 0    | D  |       |       |      |       |
| 84 | BC | 22   | CN   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 22   | IF   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 23   | CN   | CHUM | 448    | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 23   | IF   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 23   | TR   | CHUM | 750    | 750                          | 0.03 | 0.03  | 26   | 26    | 0    | D  |       |       |      |       |
| 84 | BC | 24   | CN   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 24   | IF   | CHUM | 5260   | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 24   | TR   | CHUM | 307    | 307                          | 0.03 | 0.03  | 10   | 10    | 0    | D  |       |       |      |       |
| 84 | BC | 25   | CN   | CHUM | 106208 | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 25   | IF   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 25   | TR   | CHUM | 470    | 470                          | 0.03 | 0.03  | 16   | 16    | 0    | D  |       |       |      |       |
| 84 | BC | 26   | CN   | CHUM | 39691  | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 26   | IF   | CHUM | 320    | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 26   | TR   | CHUM | 906    | 906                          | 0.03 | 0.03  | 31   | 31    | 0    | D  |       |       |      |       |
| 84 | BC | 27   | CN   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 27   | IF   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 27   | TR   | CHUM | 10205  | 10205                        | 0.00 | 0.00  | 0  | 0     | 0    | D  |       |       |      | A     |
| 84 | BC | 28   | CO   | CHUM | 0      | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 28   | IF   | CHUM | 3287   | 0                            |      |       |  |       | 0    | D  |       |       |      |       |
| 84 | BC | 29   | CO   | CHUM | 2087   | 1437                         | 0.05 | 0.05  | 72   | 72    | 0    | D  |       |       |      |       |
| 84 | BC | 29   | IF   | CHUM | 18635  | 0                            |      |       |  |       | 0    | D  | 13357 | 13357 | 0    |       |
| 84 | WA | 04   | SP   | CHUM | 0      | 0                            |      |       |  |       | 0    | E  |       |       |      | B     |
| 84 | WA | 04   | TR   | CHUM | 3      | 3                            | 0.00 | 0.00  | 0  | 0     | 0    | E  |       |       |      | B     |
| 84 | WA | 04A  | CN   | CHUM | 0      | 0                            |      |       |  |       | 0    | E  |       |       |      |       |
| 84 | WA | 04B  | CN   | CHUM | 987    | 987                          | 0.29 | 0.29  | 286  | 286   | 0    | E  |       |       |      | D     |
| 84 | WA | 04B  | TR   | CHUM | 5      | 5                            | 0.29 | 0.29  | 1  | 1     | 0    | E  |       |       |      | D     |
| 84 | WA | 05   | CN   | CHUM | 14140  | 14140                        | 0.29 | 0.29  | 4101   | 4101  | 0    | E  |       |       |      | D     |
| 84 | WA | 05   | SP   | CHUM | 0      | 0                            |      |       |  |       | 0    | E  |       |       |      | D     |
| 84 | WA | 05   | TR   | CHUM | 0      | 0                            |      |       |  |       | 0    | E  |       |       |      | D     |
| 84 | WA | 06   | CN   | CHUM | 1      | 1                            | 0.50 | 0.50  | 1  | 1     | 0    | E  |       |       |      | E     |
| 84 | WA | 06   | SP   | CHUM | 0      | 0                            |      |       |  |       | 0    | E  |       |       |      | E     |
| 84 | WA | 06   | TR   | CHUM | 0      | 0                            |      |       |  |       | 0    | E  |       |       |      | E     |
| 84 | WA | 06C  | CN   | CHUM | 11     | 11                           | 0.29 | 0.29  | 3  | 3     | 0    | E  |       |       |      | D     |
| 84 | WA | 06C  | TR   | CHUM | 0      | 0                            |      |       |  |       | 0    | E  |       |       |      | D     |
| 84 | WA | 07   | CN   | CHUM | 845    | 845                          | 0.71 | 0.71  | 599  | 599   | 0    | E  |       |       |      | D     |
| 84 | WA | 07   | SP   | CHUM | 0      | 0                            |      |       |  |       | 0    | E  |       |       |      | D     |
| 84 | WA | 07A  | CN   | CHUM | 796    | 796                          | 0.76 | 0.76  | 601  | 601   | 0    | E  |       |       |      | D     |
| 84 | WA | 07B  | CN   | CHUM | 61850  | 61850                        | 0.00 | 0.00  | 0  | 0     | 0    | E  |       |       |      | C/B   |
| 84 | WA | 08   | CN   | CHUM | 1282   | 0                            |      |       |  |       | 0    | E  |       |       |      |       |
| 84 | WA | 08   | SP   | CHUM | 48     | 0                            |      |       |  |       | 0    | E  |       |       |      |       |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch   | PROP BOUND FOR OTHER COUNTRY |           | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |           |             | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |     |           |             | Notes |         |
|----|----|------|------|------|---------|------------------------------|-----------|--|-----------|-------------|--|-----|-----------|-------------|-------|---------|
|    |    |      |      |      |         | Adjusted                     | U.S. Est. | Canndn Est.  | U.S. Est. | Canndn Est. | Diff   | CAT | U.S. Est. | Canndn Est. |       | Diff    |
| a  | b  | c    | d    | e    | f       | g                            | h         | i  | k         | l           | m  | o   | p         | q           | r     | t       |
| 84 | WA | 08A  | CN   | CHUM | 25005   | 0                            |           |  |           |             | 0  | E   |           |             |       |         |
| 84 | WA | 09   | CN   | CHUM | 711     | 711                          | 0.00      | 0.00   | 0         | 0           | 0  | E   |           |             |       | A/B     |
| 84 | WA | 09   | SP   | CHUM | 146     | 146                          | 0.00      | 0.00   | 0         | 0           | 0  | E   | 5592      | 5592        | 0     | A/B     |
| 85 | BC | 11   | CN   | CHUM | 3924    | 3924                         | 0.00      | 0.00   | 0         | 0           | 0  | D   |           |             |       | C       |
| 85 | BC | 11   | TR   | CHUM | 56410   | 56410                        | 0.00      | 0.00   | 0         | 0           | 0  | D   |           |             |       | A       |
| 85 | BC | 12   | CO   | CHUM | 384589  | 384589                       | 0.09      | 0.09   | 33561     | 33561       | 0  | D   |           |             |       | B/C-*   |
| 85 | BC | 12   | IF   | CHUM | 3692    | 3692                         | 0.10      | 0.10   | 373       | 373         | 0  | D   |           |             |       | B/C-*   |
| 85 | BC | 13   | CO   | CHUM | 185478  | 185478                       | 0.10      | 0.10   | 18305     | 18305       | 0  | D   |           |             |       | B/C-*   |
| 85 | BC | 13   | IF   | CHUM | 9070    | 9070                         | 0.10      | 0.10   | 916       | 916         | 0  | D   |           |             |       | B/C-*   |
| 85 | BC | 14   | CO   | CHUM | 526627  | 209788                       | 0.04      | 0.04   | 9428      | 9428        | 0  | D   |           |             |       | B/C-*   |
| 85 | BC | 14   | IF   | CHUM | 36576   | 0                            |           |  |           |             | 0  | D   |           |             |       | B/C-*   |
| 85 | BC | 15   | CO   | CHUM | 0       | 0                            |           |  |           |             | 0  | D   |           |             |       | B/C-B/C |
| 85 | BC | 15   | IF   | CHUM | 5500    | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 16   | CO   | CHUM | 595     | 595                          | 0.00      | 0.00   | 0         | 0           | 0  | D   |           |             |       | B/C-*   |
| 85 | BC | 16   | IF   | CHUM | 0       | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 17   | CO   | CHUM | 259     | 0                            |           |  |           |             | 0  | D   |           |             |       | B/C-*   |
| 85 | BC | 17   | IF   | CHUM | 5800    | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 18   | CO   | CHUM | 1       | 0                            |           |  |           |             | 0  | D   |           |             |       | B/C-A   |
| 85 | BC | 18   | IF   | CHUM | 0       | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 19   | IF   | CHUM | 8400    | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 20   | CN   | CHUM | 5926    | 5926                         | 0.11      | 0.11   | 646       | 646         | 0  | D   |           |             |       | D       |
| 85 | BC | 20   | IF   | CHUM | 0       | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 20   | TR   | CHUM | 3       | 3                            | 0.11      | 0.11   | 0         | 0           | 0  | D   |           |             |       | D       |
| 85 | BC | 21   | CN   | CHUM | 1609364 | 1609364                      | 0.07      | 0.07   | 111046    | 111046      | 0  | D   |           |             |       |         |
| 85 | BC | 21   | TR   | CHUM | 8107    | 8107                         | 0.03      | 0.03   | 276       | 276         | 0  | D   |           |             |       |         |
| 85 | BC | 22   | CN   | CHUM | 0       | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 22   | IF   | CHUM | 8500    | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 23   | CN   | CHUM | 7359    | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 23   | IF   | CHUM | 2357    | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 23   | TR   | CHUM | 23746   | 23746                        | 0.03      | 0.03   | 807       | 807         | 0  | D   |           |             |       |         |
| 85 | BC | 24   | CN   | CHUM | 167     | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 24   | IF   | CHUM | 3623    | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 24   | TR   | CHUM | 13076   | 13076                        | 0.03      | 0.03   | 445       | 445         | 0  | D   |           |             |       |         |
| 85 | BC | 25   | CN   | CHUM | 212299  | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 25   | IF   | CHUM | 581     | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 25   | TR   | CHUM | 12329   | 12329                        | 0.03      | 0.03   | 419       | 419         | 0  | D   |           |             |       |         |
| 85 | BC | 26   | CN   | CHUM | 40159   | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 26   | IF   | CHUM | 200     | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 26   | TR   | CHUM | 22316   | 22316                        | 0.03      | 0.03   | 759       | 759         | 0  | D   |           |             |       |         |
| 85 | BC | 27   | CN   | CHUM | 146     | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 27   | IF   | CHUM | 0       | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 27   | TR   | CHUM | 142278  | 142278                       | 0.00      | 0.00   | 0         | 0           | 0  | D   |           |             |       | A       |
| 85 | BC | 28   | CO   | CHUM | 0       | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 28   | IF   | CHUM | 1158    | 0                            |           |  |           |             | 0  | D   |           |             |       |         |
| 85 | BC | 29   | CO   | CHUM | 52541   | 21395                        | 0.05      | 0.05   | 1070      | 1070        | 0  | D   |           |             |       |         |
| 85 | BC | 29   | IF   | CHUM | 5859    | 0                            |           |  |           |             | 0  | D   | 178051    | 178051      | 0     |         |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch  | PROP BOUND FOR OTHER COUNTRY |            | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |            |       | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |           |            |        | Notes |         |
|----|----|------|------|------|--------|------------------------------|------------|--|------------|-------|--|-----------|------------|--------|-------|---------|
|    |    |      |      |      |        | Adjusted                     | U.S. Candn | U.S. Est.  | Candn Est. | Diff  | CAT  | U.S. Est. | Candn Est. | Diff   |       |         |
| a  | b  | c    | d    | e    | f      | g                            | h          | i  | k          | l     | m  | o         | p          | q      | r     | t       |
| 85 | WA | 04   | SP   | CHUM | 3      | 3                            | 0.00       | 0.00   | 0          | 0     | 0  | E         |            |        |       | B       |
| 85 | WA | 04   | TR   | CHUM | 102    | 102                          | 0.00       | 0.00   | 0          | 0     | 0  | E         |            |        |       | B       |
| 85 | WA | 04A  | CN   | CHUM | 0      | 0                            |            |  |            |       | 0  | E         |            |        |       |         |
| 85 | WA | 04B  | CN   | CHUM | 896    | 896                          | 0.29       | 0.29   | 260        | 260   | 0  | E         |            |        |       | D       |
| 85 | WA | 04B  | TR   | CHUM | 6      | 6                            | 0.29       | 0.29   | 2          | 2     | 0  | E         |            |        |       | D       |
| 85 | WA | 05   | CN   | CHUM | 47182  | 47182                        | 0.29       | 0.29   | 13683      | 13683 | 0  | E         |            |        |       | D       |
| 85 | WA | 05   | SP   | CHUM | 29     | 29                           | 0.29       | 0.29   | 8          | 8     | 0  | E         |            |        |       | D       |
| 85 | WA | 05   | TR   | CHUM | 27     | 27                           | 0.29       | 0.29   | 8          | 8     | 0  | E         |            |        |       | D       |
| 85 | WA | 06   | CN   | CHUM | 118    | 118                          | 0.50       | 0.50   | 59         | 59    | 0  | E         |            |        |       | E       |
| 85 | WA | 06   | SP   | CHUM | 10     | 10                           | 0.50       | 0.50   | 5          | 5     | 0  | E         |            |        |       | E       |
| 85 | WA | 06   | TR   | CHUM | 0      | 0                            |            |  |            |       | 0  | E         |            |        |       | E       |
| 85 | WA | 06C  | CN   | CHUM | 200    | 200                          | 0.29       | 0.29   | 58         | 58    | 0  | E         |            |        |       | D       |
| 85 | WA | 06C  | TR   | CHUM | 0      | 0                            |            |  |            |       | 0  | E         |            |        |       | D       |
| 85 | WA | 07   | CN   | CHUM | 71554  | 71554                        | 0.71       | 0.71   | 50732      | 50732 | 0  | E         |            |        |       | D       |
| 85 | WA | 07   | SP   | CHUM | 0      | 0                            |            |  |            |       | 0  | E         |            |        |       | D       |
| 85 | WA | 07A  | CN   | CHUM | 93105  | 93105                        | 0.75       | 0.75   | 70294      | 70294 | 0  | E         |            |        |       | D       |
| 85 | WA | 07B  | CN   | CHUM | 78598  | 78598                        | 0.00       | 0.00   | 0          | 0     | 0  | E         |            |        |       | C/B     |
| 85 | WA | 08   | CN   | CHUM | 43070  | 0                            |            |  |            |       | 0  | E         |            |        |       |         |
| 85 | WA | 08   | SP   | CHUM | 0      | 0                            |            |  |            |       | 0  | E         |            |        |       |         |
| 85 | WA | 08A  | CN   | CHUM | 49357  | 0                            |            |  |            |       | 0  | E         |            |        |       |         |
| 85 | WA | 09   | CN   | CHUM | 193143 | 193143                       | 0.00       | 0.00   | 0          | 0     | 0  | E         |            |        |       | A/B     |
| 85 | WA | 09   | SP   | CHUM | 65     | 65                           | 0.00       | 0.00   | 0          | 0     | 0  | E         | 135109     | 135109 | 0     | A/B     |
| 86 | BC | 11   | CN   | CHUM | 10335  | 10335                        | 0.00       | 0.00   | 0          | 0     | 0  | D         |            |        |       | C       |
| 86 | BC | 11   | TR   | CHUM | 98903  | 98903                        | 0.00       | 0.00   | 0          | 0     | 0  | D         |            |        |       | A       |
| 86 | BC | 12   | CO   | CHUM | 683603 | 683603                       | 0.01       | 0.01   | 6961       | 6961  | 0  | D         |            |        |       | B/C-*   |
| 86 | BC | 12   | IF   | CHUM | 4615   | 4615                         | 0.01       | 0.01   | 54         | 54    | 0  | D         |            |        |       | B/C-*   |
| 86 | BC | 13   | CO   | CHUM | 549207 | 464170                       | 0.01       | 0.01   | 5383       | 5383  | 0  | D         |            |        |       | B/C-*   |
| 86 | BC | 13   | IF   | CHUM | 7540   | 7540                         | 0.01       | 0.01   | 89         | 89    | 0  | D         |            |        |       | B/C-*   |
| 86 | BC | 14   | CO   | CHUM | 370823 | 276106                       | 0.04       | 0.04   | 11017      | 11017 | 0  | D         |            |        |       | B/C-*   |
| 86 | BC | 14   | IF   | CHUM | 1161   | 0                            |            |  |            |       | 0  | D         |            |        |       | B/C-*   |
| 86 | BC | 15   | CO   | CHUM | 86     | 86                           | 0.00       | 0.00   | 0          | 0     | 0  | D         |            |        |       | B/C-B/C |
| 86 | BC | 15   | IF   | CHUM | 2907   | 0                            |            |  |            |       | 0  | D         |            |        |       |         |
| 86 | BC | 16   | CO   | CHUM | 164    | 164                          | 0.00       | 0.00   | 0          | 0     | 0  | D         |            |        |       | B/C-*   |
| 86 | BC | 16   | IF   | CHUM | 1800   | 0                            |            |  |            |       | 0  | D         |            |        |       |         |
| 86 | BC | 17   | CO   | CHUM | 1      | 0                            |            |  |            |       | 0  | D         |            |        |       | B/C-*   |
| 86 | BC | 17   | IF   | CHUM | 4950   | 0                            |            |  |            |       | 0  | D         |            |        |       |         |
| 86 | BC | 18   | CO   | CHUM | 2109   | 0                            |            |  |            |       | 0  | D         |            |        |       | B/C-A   |
| 86 | BC | 18   | IF   | CHUM | 9338   | 0                            |            |  |            |       | 0  | D         |            |        |       |         |
| 86 | BC | 19   | IF   | CHUM | 7000   | 0                            |            |  |            |       | 0  | D         |            |        |       |         |
| 86 | BC | 20   | CN   | CHUM | 4974   | 4974                         | 0.20       | 0.20   | 1005       | 1005  | 0  | D         |            |        |       | D       |
| 86 | BC | 20   | IF   | CHUM | 500    | 0                            |            |  |            |       | 0  | D         |            |        |       |         |
| 86 | BC | 20   | TR   | CHUM | 119    | 119                          | 0.20       | 0.20   | 24         | 24    | 0  | D         |            |        |       | D       |
| 86 | BC | 21   | CN   | CHUM | 387470 | 387470                       | 0.00       | 0.00   | 775        | 775   | 0  | D         |            |        |       |         |
| 86 | BC | 21   | TR   | CHUM | 487    | 487                          | 0.03       | 0.03   | 17         | 17    | 0  | D         |            |        |       |         |
| 86 | BC | 22   | CN   | CHUM | 0      | 0                            |            |  |            |       | 0  | D         |            |        |       |         |
| 86 | BC | 22   | IF   | CHUM | 4000   | 0                            |            |  |            |       | 0  | D         |            |        |       |         |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch  | PROP BOUND FOR |            | -- CATCH OF FISH BOUND -- |           |                  | ----- INTERCEPTION ----- |           |            |       | Notes |     |       |
|----|----|------|------|------|--------|----------------|------------|---------------------------|-----------|------------------|--------------------------|-----------|------------|-------|-------|-----|-------|
|    |    |      |      |      |        | Adjusted       | U.S. Candn | FOR OTHER COUNTRY         |           | CATEGORY SUMMARY |                          | U.S. Est. | Candn Est. | Diff  |       | CAT |       |
| a  | b  | c    | d    | e    | f      | g              | h          | i                         | U.S. Est. | Candn Est.       | Diff                     |           |            |       | o     |     | p     |
| 86 | BC | 23   | CN   | CHUM | 209    | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 23   | IF   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 23   | TR   | CHUM | 21179  | 21179          | 0.03       | 0.03                      | 720       | 720              | 0                        | D         |            |       |       |     |       |
| 86 | BC | 24   | CN   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 24   | IF   | CHUM | 7282   | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 24   | TR   | CHUM | 30844  | 30844          | 0.03       | 0.03                      | 1049      | 1049             | 0                        | D         |            |       |       |     |       |
| 86 | BC | 25   | CN   | CHUM | 144091 | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 25   | IF   | CHUM | 665    | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 25   | TR   | CHUM | 45040  | 45040          | 0.03       | 0.03                      | 1531      | 1531             | 0                        | D         |            |       |       |     |       |
| 86 | BC | 26   | CN   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 26   | IF   | CHUM | 580    | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 26   | TR   | CHUM | 32012  | 32012          | 0.03       | 0.03                      | 1088      | 1088             | 0                        | D         |            |       |       |     |       |
| 86 | BC | 27   | CN   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 27   | IF   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 27   | TR   | CHUM | 134687 | 134687         | 0.00       | 0.00                      | 0         | 0                | 0                        | D         |            |       |       |     | A     |
| 86 | BC | 28   | CO   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 28   | IF   | CHUM | 3219   | 0              |            |                           |           |                  | 0                        | D         |            |       |       |     |       |
| 86 | BC | 29   | CO   | CHUM | 98950  | 22744          | 0.05       | 0.05                      | 1137      | 1137             | 0                        | D         |            |       |       |     |       |
| 86 | BC | 29   | IF   | CHUM | 16711  | 0              |            |                           |           |                  | 0                        | D         | 30850      | 30850 | 0     |     |       |
| 86 | WA | 04   | SP   | CHUM | 5      | 5              | 0.00       | 0.00                      | 0         | 0                | 0                        | E         |            |       |       |     | B     |
| 86 | WA | 04   | TR   | CHUM | 110    | 110            | 0.00       | 0.00                      | 0         | 0                | 0                        | E         |            |       |       |     | B     |
| 86 | WA | 04A  | CN   | CHUM | 55     | 0              |            |                           |           |                  | 0                        | E         |            |       |       |     |       |
| 86 | WA | 04B  | CN   | CHUM | 1514   | 1514           | 0.21       | 0.21                      | 316       | 316              | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 04B  | TR   | CHUM | 4      | 4              | 0.21       | 0.21                      | 1         | 1                | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 05   | CN   | CHUM | 52241  | 52241          | 0.21       | 0.21                      | 10918     | 10918            | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 05   | SP   | CHUM | 15     | 15             | 0.21       | 0.21                      | 3         | 3                | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 05   | TR   | CHUM | 4      | 4              | 0.21       | 0.21                      | 1         | 1                | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 06   | CN   | CHUM | 2      | 2              | 0.50       | 0.50                      | 1         | 1                | 0                        | E         |            |       |       |     | E     |
| 86 | WA | 06   | SP   | CHUM | 40     | 40             | 0.50       | 0.50                      | 20        | 20               | 0                        | E         |            |       |       |     | E     |
| 86 | WA | 06   | TR   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | E         |            |       |       |     | E     |
| 86 | WA | 06C  | CN   | CHUM | 559    | 559            | 0.21       | 0.21                      | 117       | 117              | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 06C  | TR   | CHUM | 1      | 1              | 0.21       | 0.21                      | 0         | 0                | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 07   | CN   | CHUM | 46532  | 46532          | 0.79       | 0.79                      | 36621     | 36621            | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 07   | SP   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 07A  | CN   | CHUM | 45610  | 45610          | 0.72       | 0.72                      | 32885     | 32885            | 0                        | E         |            |       |       |     | D     |
| 86 | WA | 07B  | CN   | CHUM | 34898  | 34898          | 0.00       | 0.00                      | 0         | 0                | 0                        | E         |            |       |       |     | C/B   |
| 86 | WA | 08   | CN   | CHUM | 157385 | 0              |            |                           |           |                  | 0                        | E         |            |       |       |     |       |
| 86 | WA | 08   | SP   | CHUM | 0      | 0              |            |                           |           |                  | 0                        | E         |            |       |       |     |       |
| 86 | WA | 08A  | CN   | CHUM | 101997 | 0              |            |                           |           |                  | 0                        | E         |            |       |       |     |       |
| 86 | WA | 09   | CN   | CHUM | 43750  | 43750          | 0.00       | 0.00                      | 0         | 0                | 0                        | E         |            |       |       |     | A/B   |
| 86 | WA | 09   | SP   | CHUM | 1247   | 1247           | 0.00       | 0.00                      | 0         | 0                | 0                        | E         | 80883      | 80883 | 0     |     | A/B   |
| 87 | BC | 11   | CN   | CHUM | 4036   | 4036           | 0.00       | 0.00                      | 0         | 0                | 0                        | D         |            |       |       |     | C     |
| 87 | BC | 11   | TR   | CHUM | 2309   | 2309           | 0.00       | 0.00                      | 0         | 0                | 0                        | D         |            |       |       |     | A     |
| 87 | BC | 12   | CO   | CHUM | 75971  | 75971          | 0.03       | 0.03                      | 1936      | 1936             | 0                        | D         |            |       |       |     | B/C-* |
| 87 | BC | 12   | IF   | CHUM | 7109   | 7109           | 0.04       | 0.04                      | 277       | 277              | 0                        | D         |            |       |       |     | B/C-* |
| 87 | BC | 13   | CO   | CHUM | 23054  | 23054          | 0.03       | 0.03                      | 732       | 732              | 0                        | D         |            |       |       |     | B/C-* |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | Adjusted<br>Catch<br>g | PROP BOUND FOR<br>OTHER COUNTRY |                    | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                    |           | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |                   |                    |           | Notes<br>t |         |
|---------|---------|-----------|-----------|-----------|------------|------------------------|---------------------------------|--------------------|--|--------------------|-----------|--|-------------------|--------------------|-----------|------------|---------|
|         |         |           |           |           |            |                        | U.S.<br>Est.<br>h               | Candn<br>Est.<br>i | U.S.<br>Est.<br>k                                    | Candn<br>Est.<br>l | Diff<br>m | CAT<br>o   | U.S.<br>Est.<br>p | Candn<br>Est.<br>q | Diff<br>r |            |         |
| 87      | BC      | 13        | IF        | CHUM      | 15150      | 15150                  | 0.04                            | 0.04               | 591  | 591                | 0         | D  |                   |                    |           |            | B/C-*   |
| 87      | BC      | 14        | CO        | CHUM      | 352911     | 329836                 | 0.03                            | 0.03               | 9894   | 9894               | 0         | D  |                   |                    |           |            | B/C-*   |
| 87      | BC      | 14        | IF        | CHUM      | 95         | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            | B/C-*   |
| 87      | BC      | 15        | CO        | CHUM      | 4          | 4                      | 0.00                            | 0.00               | 0  | 0                  | 0         | D  |                   |                    |           |            | B/C-B/C |
| 87      | BC      | 15        | IF        | CHUM      | 4000       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 16        | CO        | CHUM      | 94         | 94                     | 0.00                            | 0.00               | 0  | 0                  | 0         | D  |                   |                    |           |            | B/C-*   |
| 87      | BC      | 16        | IF        | CHUM      | 0          | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 17        | CO        | CHUM      | 9959       | 2490                   | 0.08                            | 0.08               | 199  | 199                | 0         | D  |                   |                    |           |            | B/C-*   |
| 87      | BC      | 17        | IF        | CHUM      | 7450       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 18        | CO        | CHUM      | 5437       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            | B/C-A   |
| 87      | BC      | 18        | IF        | CHUM      | 10127      | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 19        | IF        | CHUM      | 9575       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 20        | CN        | CHUM      | 21148      | 21148                  | 0.25                            | 0.25               | 5287   | 5287               | 0         | D  |                   |                    |           |            | D       |
| 87      | BC      | 20        | IF        | CHUM      | 715        | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 20        | TR        | CHUM      | 1          | 1                      | 0.25                            | 0.25               | 0  | 0                  | 0         | D  |                   |                    |           |            | D       |
| 87      | BC      | 21        | CN        | CHUM      | 395397     | 395397                 | 0.02                            | 0.02               | 7908   | 7908               | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 21        | TR        | CHUM      | 11         | 11                     | 0.03                            | 0.03               | 0  | 0                  | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 22        | CN        | CHUM      | 0          | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 22        | IF        | CHUM      | 2500       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 23        | CN        | CHUM      | 49         | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 23        | IF        | CHUM      | 5000       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 23        | TR        | CHUM      | 1197       | 1197                   | 0.03                            | 0.03               | 41   | 41                 | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 24        | CN        | CHUM      | 0          | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 24        | IF        | CHUM      | 3579       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 24        | TR        | CHUM      | 1915       | 1915                   | 0.03                            | 0.03               | 65   | 65                 | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 25        | CN        | CHUM      | 12421      | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 25        | IF        | CHUM      | 542        | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 25        | TR        | CHUM      | 760        | 760                    | 0.03                            | 0.03               | 26   | 26                 | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 26        | CN        | CHUM      | 1158       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 26        | IF        | CHUM      | 238        | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 26        | TR        | CHUM      | 1561       | 1561                   | 0.03                            | 0.03               | 53   | 53                 | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 27        | CN        | CHUM      | 0          | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 27        | IF        | CHUM      | 0          | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 27        | TR        | CHUM      | 10367      | 10367                  | 0.00                            | 0.00               | 0  | 0                  | 0         | D  |                   |                    |           |            | A       |
| 87      | BC      | 28        | CO        | CHUM      | 0          | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 28        | IF        | CHUM      | 3921       | 0                      |                                 |                    |  |                    | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 29        | CO        | CHUM      | 10036      | 196                    | 0.05                            | 0.05               | 10   | 10                 | 0         | D  |                   |                    |           |            |         |
| 87      | BC      | 29        | IF        | CHUM      | 26312      | 0                      |                                 |                    |  |                    | 0         | D  | 27019             | 27019              | 0         |            |         |
| 87      | WA      | 04        | SP        | CHUM      | 5          | 5                      | 0.00                            | 0.00               | 0  | 0                  | 0         | E  |                   |                    |           |            | B       |
| 87      | WA      | 04        | TR        | CHUM      | 5          | 5                      | 0.00                            | 0.00               | 0  | 0                  | 0         | E  |                   |                    |           |            | B       |
| 87      | WA      | 04A       | CN        | CHUM      | 1          | 0                      |                                 |                    |  |                    | 0         | E  |                   |                    |           |            |         |
| 87      | WA      | 04B       | CN        | CHUM      | 1092       | 1092                   | 0.37                            | 0.37               | 404  | 404                | 0         | E  |                   |                    |           |            | D       |
| 87      | WA      | 04B       | TR        | CHUM      | 1          | 1                      | 0.37                            | 0.37               | 0  | 0                  | 0         | E  |                   |                    |           |            | D       |
| 87      | WA      | 05        | CN        | CHUM      | 42553      | 42553                  | 0.37                            | 0.37               | 15745  | 15745              | 0         | E  |                   |                    |           |            | D       |
| 87      | WA      | 05        | SP        | CHUM      | 7          | 7                      | 0.37                            | 0.37               | 3  | 3                  | 0         | E  |                   |                    |           |            | D       |
| 87      | WA      | 05        | TR        | CHUM      | 2          | 2                      | 0.37                            | 0.37               | 1  | 1                  | 0         | E  |                   |                    |           |            | D       |

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR<br>a | Ju<br>b | Area<br>c | Gear<br>d | Spec<br>e | Catch<br>f | PROP BOUND FOR<br>OTHER COUNTRY |                   | -- CATCH OF FISH BOUND --<br>-- FOR OTHER COUNTRY -- |                   |                  | ----- INTERCEPTION -----<br>--- CATEGORY SUMMARY --- |          |                   |                  | Notes<br>t |           |
|---------|---------|-----------|-----------|-----------|------------|---------------------------------|-------------------|--|-------------------|------------------|--|----------|-------------------|------------------|------------|-----------|
|         |         |           |           |           |            | Adjusted<br>Catch<br>g          | U.S.<br>Est.<br>h | Can<br>Est.<br>i                                     | U.S.<br>Est.<br>k | Can<br>Est.<br>l | Diff<br>m  | CAT<br>o | U.S.<br>Est.<br>p | Can<br>Est.<br>q |            | Diff<br>r |
| 87      | WA      | 06        | CN        | CHUM      | 43         | 43                              | 0.50              | 0.50   | 22                | 22               | 0  | E        |                   |                  |            | E         |
| 87      | WA      | 06        | SP        | CHUM      | 4          | 4                               | 0.50              | 0.50   | 2                 | 2                | 0  | E        |                   |                  |            | E         |
| 87      | WA      | 06        | TR        | CHUM      | 1          | 1                               | 0.50              | 0.50   | 1                 | 1                | 0  | E        |                   |                  |            | E         |
| 87      | WA      | 06C       | CN        | CHUM      | 308        | 308                             | 0.37              | 0.37   | 114               | 114              | 0  | E        |                   |                  |            | D         |
| 87      | WA      | 06C       | TR        | CHUM      | 2          | 2                               | 0.37              | 0.37   | 1                 | 1                | 0  | E        |                   |                  |            | D         |
| 87      | WA      | 07        | CN        | CHUM      | 17780      | 17780                           | 0.63              | 0.63   | 11237             | 11237            | 0  | E        |                   |                  |            | D         |
| 87      | WA      | 07        | SP        | CHUM      | 0          | 0                               |                   |  |                   |                  | 0  | E        |                   |                  |            | D         |
| 87      | WA      | 07A       | CN        | CHUM      | 13326      | 13326                           | 0.79              | 0.79   | 10528             | 10528            | 0  | E        |                   |                  |            | D         |
| 87      | WA      | 07B       | CN        | CHUM      | 53539      | 53539                           | 0.00              | 0.00   | 0                 | 0                | 0  | E        |                   |                  |            | C/B       |
| 87      | WA      | 08        | CN        | CHUM      | 11670      | 0                               |                   |  |                   |                  | 0  | E        |                   |                  |            |           |
| 87      | WA      | 08        | SP        | CHUM      | 31         | 0                               |                   |  |                   |                  | 0  | E        |                   |                  |            |           |
| 87      | WA      | 08A       | CN        | CHUM      | 136338     | 0                               |                   |  |                   |                  | 0  | E        |                   |                  |            |           |
| 87      | WA      | 09        | CN        | CHUM      | 1918       | 1918                            | 0.00              | 0.00   | 0                 | 0                | 0  | E        |                   |                  |            | A/B       |
| 87      | WA      | 09        | SP        | CHUM      | 802        | 802                             | 0.00              | 0.00   | 0                 | 0                | 0  | E        | 38056             | 38056            | 0          | A/B       |

INTERCEPTION TABLE NOTATIONS:

ADJUSTED CATCH: Indicates the number of fish caught in non-terminal locations

NOTES: The coded notation indicates the quality of information available.

Entries separated by dashes indicate entries for different stocks i.e. summer, fall, winter.

Letter codes, within an entry, separated by slash (/) indicate different positions expressed (U.S./CDN)

Where more than one stock is involved, an asterisk (\*) indicates agreement for a particular stock.

Where the notation covers all stocks present, a single entry was made.

FOOTNOTE GLOSSARY:

A: Available information indicates the possibility of interception. Interception rate may be so small, it is not currently quantifiable.

B: Interception rate unknown. No data are currently available.

C: No data available. Interception is currently assumed to be insignificant.

D: Interception rates are unavailable for one or more timing segments. Fall interception rates were applied.

U.S. AND CANADIAN ESTIMATES OF CHUM SALMON INTERCEPTIONS IN SOUTHERN PANEL FISHERIES 1980-1987.

| YR | Ju | Area | Gear | Spec | Catch | Adjusted | PROP BOUND FOR |       | -- CATCH OF FISH BOUND -- |       |      | ----- INTERCEPTION ----- |      |       | Notes |   |
|----|----|------|------|------|-------|----------|----------------|-------|---------------------------|-------|------|--------------------------|------|-------|-------|---|
|    |    |      |      |      |       |          | U.S.           | Candn | -- FOR OTHER COUNTRY --   |       |      | --- CATEGORY SUMMARY --- |      |       |       |   |
| a  | b  | c    | d    | e    | f     | g        | Est.           | Est.  | U.S.                      | Candn | Diff | CAT                      | U.S. | Candn | Diff  | t |
|    |    |      |      |      |       |          | h              | i     | k                         | l     | m    | o                        | p    | q     | r     |   |

E: Interception rates were estimated by interpolation between adjacent areas where GSI data exist.

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**COMMITTEE RESPONSE TO JIC**

MEMORANDUM

TO: Joint Interception Committee

FROM: Chum Technical Committee

SUBJECT: 1980-87 Interception Estimates for Southern B.C. and Washington Chum Fisheries.

DATE: December 6, 1989

Enclosed is a preliminary joint database (Lotus 123) of catch and interception estimates for southern chum, prepared by the Chum Technical Committee. The interception estimates are based on the best information currently available, primarily GSI results.

The Chum Technical Committee is continuing work on evaluating GSI methods and applications. Specifically, the Committee is evaluating the use of 21 loci in several United States fisheries instead of the 7 or 15 loci current estimates are based on, and the Committee is reviewing the methods by which GSI stock composition information is applied to catches (e.g. pooling of information across weeks or years). This work is expected to take approximately six months to complete. Consequently, these interception estimates will be reviewed and updated sometime during 1990.

Interceptions have been jointly estimated for all the major southern chum fisheries. The annual interception rates presented here are based on weekly samples. Estimates for years with no information were based on the average of available annual estimates. For some areas or run timings where no information was available, estimates may have been extrapolated from adjacent areas; otherwise no estimate was made and a footnote was applied explaining the reason. Since no interception estimate was made for these footnoted fisheries they will not be included in any summary estimate of total interceptions.

**INTERCEPTION TABLE NOTATIONS:**

**ADJUSTED CATCH:** Indicates the number of fish caught in non-terminal location

**NOTES:** The coded notation indicates the quality of information available.

Entries separated by dashes indicate entries for different stocks i.e. summer, fall, winter.

Letter codes, within an entry, separated by slash (/) indicate different positions expressed (U.S./CDN)

Where more than one stock is involved, a asterisk (\*) indicates agreement for a particular stock.

Where the notation covers all stocks present, a single entry was made

**FOOTNOTE GLOSSARY:**

- A: Available information indicates the possibility of interception. Interception rate may be so small, it is not currently quantifiable.
- B: Interception rate unknown. No data are currently available.
- C: No data available. Interception is currently assumed to be insignificant.
- D: Interception rates are unavailable for one or more timing segments. Fall interception rates were applied.
- E: Interception rates were estimated by interpolation between adjacent areas where GSI data exist.

TOTAL CHUM CATCH BY AREA (ALL USERS, ALL FISHERIES)

| AREA | 1980   | 1981  | 1982   | 1983   | 1984   | 1985    | 1986   | 1987   |
|------|--------|-------|--------|--------|--------|---------|--------|--------|
| 11   | 32904  | 11275 | 22162  | 18438  | 6439   | 60334   | 109238 | 6345   |
| 12   | 411292 | 79820 | 702755 | 112643 | 59788  | 388281  | 688218 | 83080  |
| 13   | 326307 | 31532 | 485585 | 30350  | 25688  | 194548  | 556747 | 38204  |
| 14   | 90558  | 65872 | 198572 | 126679 | 166080 | 563203  | 371984 | 353006 |
| 15   | 3006   | 5504  | 6003   | 4210   | 3000   | 5500    | 2993   | 4004   |
| 16   | 1877   | 2345  | 2131   | 2411   | 96     | 595     | 1964   | 94     |
| 17   | 2895   | 4145  | 39614  | 9592   | 8001   | 6059    | 4951   | 17409  |
| 18   | 1012   | 2000  | 6644   | 5001   | 4000   | 1       | 11447  | 15564  |
| 19   | 1055   | 1000  | 6200   | 4100   | 4500   | 8400    | 7000   | 9575   |
| 20   | 62286  | 8429  | 14589  | 80     | 568    | 5929    | 5593   | 21864  |
| 21   | 161    | 568   | 628    | 421    | 186961 | 1617471 | 387957 | 395408 |
| 22   | 279211 | 0     | 0      | 0      | 0      | 8500    | 4000   | 2500   |
| 23   | 92039  | 19567 | 8656   | 1810   | 1198   | 33462   | 21388  | 6246   |
| 24   | 44849  | 27918 | 55303  | 4110   | 5567   | 16866   | 38126  | 5494   |
| 25   | 217474 | 42690 | 268979 | 9890   | 106678 | 225209  | 189796 | 13723  |
| 26   | 168943 | 50918 | 227371 | 1463   | 40917  | 62675   | 32592  | 2957   |
| 27   | 12525  | 8281  | 39622  | 4085   | 10205  | 142424  | 134687 | 10367  |
| 28   | 5020   | 4440  | 4281   | 2124   | 3287   | 1158    | 3219   | 3921   |
| 29   | 89330  | 19961 | 82504  | 20550  | 20722  | 58400   | 115661 | 36348  |
| 04   | 31     | 7     | 212    | 12     | 3      | 105     | 115    | 10     |
| 04A  | 0      | 0     | 0      | 0      | 0      | 0       | 55     | 1      |
| 04B  | 3970   | 183   | 705    | 1642   | 992    | 902     | 1518   | 1093   |
| 05   | 7527   | 2142  | 4446   | 13686  | 14140  | 47238   | 52260  | 42562  |
| 06   | 5699   | 973   | 143    | 123    | 1      | 128     | 42     | 48     |
| 06C  | 45     | 81    | 49     | 3      | 11     | 200     | 560    | 310    |
| 07   | 201090 | 7163  | 41275  | 2273   | 845    | 71554   | 46532  | 17780  |
| 07A  | 143185 | 1997  | 34786  | 386    | 796    | 93105   | 45610  | 13326  |
| 07B  | 3843   | 10956 | 45869  | 37275  | 61850  | 78598   | 34898  | 53539  |
| 08   | 53021  | 39172 | 106197 | 9365   | 1330   | 43070   | 157385 | 11701  |
| 08A  | 32292  | 38946 | 86355  | 12144  | 25005  | 49357   | 101997 | 136338 |
| 09   | 25227  | 47612 | 175786 | 73090  | 857    | 193208  | 44997  | 2720   |

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TOTAL ADJUSTED CHUM CATCH BY AREA (ALL USERS, ALL FISHERIES)

| AREA | 1980   | 1981  | 1982   | 1983   | 1984   | 1985    | 1986   | 1987   |
|------|--------|-------|--------|--------|--------|---------|--------|--------|
| 11   | 32904  | 11275 | 22162  | 18438  | 6439   | 60334   | 109238 | 6345   |
| 12   | 411292 | 79820 | 702755 | 112643 | 59788  | 388281  | 688218 | 83080  |
| 13   | 326207 | 31532 | 441651 | 30350  | 25688  | 194548  | 471710 | 38204  |
| 14   | 2      | 32061 | 49979  | 72788  | 117803 | 209788  | 276106 | 329836 |
| 15   | 6      | 4     | 3      | 10     | 0      | 0       | 86     | 4      |
| 16   | 377    | 845   | 1467   | 1231   | 96     | 595     | 164    | 94     |
| 17   | 0      | 0     | 11644  | 0      | 0      | 0       | 0      | 2490   |
| 18   | 0      | 0     | 7      | 1      | 0      | 0       | 0      | 0      |
| 19   | 0      | 0     | 0      | 0      | 0      | 0       | 0      | 0      |
| 20   | 62166  | 8429  | 14589  | 80     | 568    | 5929    | 5093   | 21149  |
| 21   | 161    | 568   | 628    | 421    | 186961 | 1617471 | 387957 | 395408 |
| 22   | 0      | 0     | 0      | 0      | 0      | 0       | 0      | 0      |
| 23   | 1778   | 1495  | 7042   | 1413   | 750    | 23746   | 21179  | 1197   |
| 24   | 5363   | 1368  | 12395  | 1410   | 307    | 13076   | 30844  | 1915   |
| 25   | 813    | 985   | 10132  | 1186   | 470    | 12329   | 45040  | 760    |
| 26   | 1245   | 397   | 3069   | 463    | 906    | 22316   | 32012  | 1561   |
| 27   | 12517  | 4560  | 39622  | 4085   | 10205  | 142278  | 134687 | 10367  |
| 28   | 0      | 0     | 0      | 0      | 0      | 0       | 0      | 0      |
| 29   | 3259   | 1018  | 15045  | 3915   | 1437   | 21395   | 22744  | 196    |
| 04   | 31     | 7     | 212    | 12     | 3      | 105     | 115    | 10     |
| 04A  | 0      | 0     | 0      | 0      | 0      | 0       | 0      | 0      |
| 04B  | 3970   | 183   | 705    | 1642   | 992    | 902     | 1518   | 1093   |
| 05   | 7527   | 2142  | 4446   | 13686  | 14140  | 47238   | 52260  | 42562  |
| 06   | 5699   | 973   | 143    | 123    | 1      | 128     | 42     | 48     |
| 06C  | 45     | 81    | 49     | 3      | 11     | 200     | 560    | 310    |
| 07   | 201090 | 7163  | 41275  | 2273   | 845    | 71554   | 46532  | 17780  |
| 07A  | 143185 | 1997  | 34786  | 386    | 796    | 93105   | 45610  | 13326  |
| 07B  | 3843   | 10956 | 45869  | 37275  | 61850  | 78598   | 34898  | 53539  |
| 08   | 0      | 0     | 0      | 0      | 0      | 0       | 0      | 0      |
| 08A  | 0      | 0     | 0      | 0      | 0      | 0       | 0      | 0      |
| 09   | 25227  | 47612 | 175786 | 73090  | 857    | 193208  | 44997  | 2720   |

③

## TOTAL ESTIMATED ANNUAL INTERCEPTIONS OF CHUM SALMON BY AREA

| AREA  | 1980   | 1981 | 1982  | 1983 | 1984  | 1985   | 1986  | 1987  | TOTALS |
|---|--------|------|-------|------|-------|--------|-------|-------|--------|
| <b>A: Interceptions of U.S. chum salmon in Canadian Fisheries</b> |        |      |       |      |       |        |       |       |        |
| 11  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 12  | 18089  | 2154 | 33062 | 4057 | 1785  | 33934  | 7015  | 2213  | 102310 |
| 13  | 16194  | 1306 | 22298 | 1371 | 1226  | 19221  | 5472  | 1323  | 68410  |
| 14  | 0      | 1218 | 1899  | 2764 | 4476  | 9428   | 11017 | 9894  | 40695  |
| 15  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 16  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 17  | 0      | 0    | 932   | 0    | 0     | 0      | 0     | 199   | 1131   |
| 18  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 19  |        |      |       |      |       |        |       |       | 0      |
| 20  | 11625  | 1576 | 2728  | 15   | 106   | 646    | 1029  | 5287  | 23013  |
| 21  | 5      | 19   | 21    | 14   | 5610  | 111322 | 791   | 7908  | 125692 |
| 22  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 23  | 60     | 51   | 239   | 48   | 26    | 807    | 720   | 41    | 1992   |
| 24  | 182    | 47   | 421   | 48   | 10    | 445    | 1049  | 65    | 2267   |
| 25  | 28     | 33   | 344   | 40   | 16    | 419    | 1531  | 26    | 2438   |
| 26  | 42     | 13   | 104   | 16   | 31    | 759    | 1088  | 53    | 2107   |
| 27  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 28  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 29  | 163    | 51   | 752   | 196  | 72    | 1070   | 1137  | 10    | 3450   |
| TOTAL   | 46390  | 6469 | 62802 | 8568 | 13357 | 178051 | 30850 | 27019 | 373505 |
| <b>B: Interceptions of Canadian chum salmon in U.S. Fisheries</b> |        |      |       |      |       |        |       |       |        |
| 04  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 04A   |        |      |       |      |       |        |       |       | 0      |
| 04B   | 1151   | 53   | 204   | 476  | 288   | 262    | 317   | 404   | 3156   |
| 05  | 2183   | 621  | 1289  | 3969 | 4101  | 13699  | 10922 | 15748 | 52532  |
| 06  | 2850   | 487  | 72    | 62   | 1     | 64     | 21    | 24    | 3579   |
| 06C   | 13     | 23   | 14    | 1    | 3     | 58     | 117   | 115   | 345    |
| 07  | 142573 | 5079 | 29264 | 1612 | 599   | 50732  | 36621 | 11237 | 277715 |
| 07A   | 108105 | 1508 | 26263 | 291  | 601   | 70294  | 32885 | 10528 | 250475 |
| 07B   | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 08  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| 08A   |        |      |       |      |       |        |       |       | 0      |
| 09  | 0      | 0    | 0     | 0    | 0     | 0      | 0     | 0     | 0      |
| TOTAL   | 256874 | 7771 | 57107 | 6410 | 5592  | 135109 | 80883 | 38056 | 587801 |

# NOTES ON THE DETERMINATION OF CHUM INTERCEPTIONS IN SOUTHERN B.C. AND WASHINGTON CHUM FISHERIES

FROM THE CHUM TECHNICAL COMMITTEE MEETING  
27-30 NOVEMBER 1989, VANCOUVER, B.C.

This document outlines the progress on the determination of joint interception estimates for South Coast British Columbia and Washington State chum salmon. The work addresses the request of the Joint Interception Committee (JIC) in a September 1989 memo.

Briefly, a joint catch database was set up with gross catch by area / gear and an adjusted catch which removed terminal area catches from the gross catch. In a joint session the application of available GSI data was developed. Interception rates were agreed to for all substantive fisheries in a joint session based on the best available information, generally GSI results.

However, current GSI work will result in new stock composition estimates for past years. Consequently, these interception estimates will be reviewed and updated in 1990. The work includes a reanalysis of past GSI samples by the United States, using 21 loci instead of the 7 or 15 loci current estimates are based on. Both Canada and the United States are reviewing the methods by which GSI stock compositions are applied to catches (e.g. pooling of information across weeks, within or between years). Work is also being conducted on quantifying and applying a bias correction factors for stock groups which appear as small components in GSI results (i.e. less than 15%).

The work completed to date in addressing the JIC requests is presented below. First, the following tasks were identified.

- A. Document and agree on gross catches in all southern B.C. and Washington chum fisheries.
- B. Identify and remove terminal (assumed non-interception area) catches from the gross catch to make an "Adjusted catch" to which stock composition estimates are to be applied.
- C. Identify major stock groupings such as summer or fall timings which should be treated separately when determining stock composition.
- D. Identify data availability for each potentially intercepting fishery as None available, Partial data available (i.e. extrapolation required), or Data available.
- E. Formulate methods for application of available stock identification (e.g. GSI) information to the adjusted catches to determine interceptions.

The progress and description of work completed for each of these tasks is described below.

- A. Document gross annual catches.

Canadian commercial catches are based on the catch database residing on the PBS VAX and Indian Food Fish catches from the regional DFO VAX. Recreational fishery catches are unavailable but are assumed to be minimal. US commercial catches are from WDF/Tribal Catch Database, while recreational catches are from published WDF reports. Gross catches include all gear types and are presented by statistical area. The format is consistent with the format suggested by the Joint Interception Committee.

In the past there was some confusion regarding discrepancies in the Canadian catch data, namely

differences between the BC Catch Statistics and the PBS VAX catch database. In recent years the differences are minor and mostly the result of rounding or errors in adding up the sales slips or weekly totals. In the early part of the 1980's the PBS catches are generally higher due to the inclusion of late sales slips. The largest errors (in the order of 5 to 10 percent) occur in 1980 data. In keeping with approved data exchange the PBS VAX database is used. Note this will allow easier and more universal access to the data. Also note that this may result in some small discrepancies with the Historical Report (TCChum 88-1) and annual post season reports. Catches were compiled separately for summer, fall, and winter stock fisheries.

B. Describe each fishery as terminal or non-terminal, then remove terminal and non-interception fishery catches to determine the adjusted catch.

Each fishery in each time period was described and classified as either terminal or non-terminal mainly on the basis of location. These are presented in Tables 1a (Canada) and 1b (US). Terminal fisheries would have an adjusted catch of zero. Some non-terminal fisheries may include a terminal area. These terminal catches were collectively removed from the gross catch, with the remaining catch presented separately as the "adjusted catch". Interception estimates were applied to the adjusted catch.

Description of terminal area catches.

For southern B.C. inside chums the management strategy is to harvest a conservative portion in mixed stock fisheries, then harvest any local surpluses in terminal areas to minimize the catch of passing stocks. These terminal fisheries are therefore necessarily restricted in area and time. For example, the catch is predominantly taken near the river mouth during the cleanup fisheries in Qualicum (usually held in mid to late November once escapement is achieved). Therefore all Qualicum fisheries after the second week of November (11/2) are excluded. Similarly the Nanaimo and Cowichan fisheries include sub-area catches which should be treated independently, namely outside areas may include interceptions while catch from inside areas are assumed to be non-intercepting. Fishing area is also restricted in terminal fisheries such as Sooke. Consequently terminal catches in these fisheries are identified as having no interception and are removed from the gross catch. Terminal fishery catches in the mainland inlets (e.g. Bute Inlet) are also removed from the gross catch. The composition of the chum catch in area 29 (Fraser River) varies with the sub-area. Fisheries outside the river itself (29-1 to 8), such as the PSC controlled fisheries for sockeye or pink in September and early October may intercept some passing stocks. We have assumed that there are no interceptions in the river itself (29-9 to 17). DFO assumes control of fishing time and area on about October 15. Consequently, it is assumed that interceptions occur only in outside areas and only before October 15, catches from directed chum fisheries after this date do not intercept U.S. chum salmon. On the west coast of Vancouver Island fall chum stocks are actively managed and harvested in terminal areas based on identified local surpluses. Consequently, all chum net catches from areas 22 through 27 are identified as having no interception. Indian Food Fish catches in all areas except 12 and 13 occur in terminal areas with no interception of passing chum stocks. Therefore the IFF catches are excluded from the gross catch, except for the area 12 and 13 IFF catches which are treated the same as the commercial catches. All Fraser River IFF catches occur inside the river.

In the US terminal catches occur in area 4A on the west coast and areas 8 and 8A in northern Puget Sound. Canada suggested that areas 7B and 8 may also have some interception, but until there was evidence to support this presumption, it would be considered terminal. The southern portions of Puget Sound below area 9 are identified as terminal.

C. Identify major stock groupings as per baselines used in GSI.

The baselines used in GSI reflect specific stock groupings which are thought to comprise a fishery. Consequently stock groupings such as summer run stocks are not represented in the baselines used in the fall fisheries. Therefore fisheries comprised mainly of these unrepresented stocks should be treated separately (e.g. summer versus fall run). The summer and fall run stocks and catches are identified in Table 1.

Table 1a. Description of Canadian fisheries and data availability.

| Stat Area | Gear  | Fishery Type | Timing Group | Data Available | Comments  |
|-----------|-------|--------------|--------------|----------------|---|
| 11        | Net   | Non-Term     | Summ         | None           | Assumed to be mostly summer run to Central Coast or Johnstone St / mainland inlets. |
| 11        | Troll | Non-Term     | Summ         | Part           |   |
| 12        | Comm  | Non-Term     | Summ         | None           | Summer run prior to Sep 1 in areas 12-18.   |
| 12        | Comm  | Non-Term     | Fall         | Data           | Deduct terminal IFF from Nimpkish/Inlets.   |
| 12        | IFF   | Non-Term     | Fall         | Data           |   |
| 13        | Comm  | Non-Term     | Summ         | None           | Deduct terminal catch from Bute Inlet. Treat same as commercial catch.              |
| 13        | Comm  | Non-Term     | Fall         | Data           |   |
| 13        | IFF   | Non-Term     | Fall         | Data           | Summer run prior to Sep 1 in areas 12-18.   |
| 14        | Comm  | Non-Term     | Summ         | None           |   |
| 14        | Comm  | Non-Term     | Fall         | Data           | Deduct terminal catch after Nov 15.   |
| 14        | IFF   | Terminal     | Fall         |                | Terminal so assumed non-intercepting.   |
| 15        | Comm  | Non-Term     | Summ         | None           | Summer run includes September catch.  |
| 15        | IFF   | Terminal     | Fall         |                | Summer run includes September catch.  |
| 16        | Comm  | Non-Term     | Summ         | None           |   |
| 16        | IFF   | Terminal     | Fall         |                | Include late summer in fall run; deduct term catch in subareas 17-13,14,15.         |
| 17        | Comm  | Non-Term     | Fall         | Data           |   |
| 17        | IFF   | Terminal     | Fall         |                | Deduct terminal catch including part 18-6.  |
| 18        | Comm  | Non-Term     | Summ         | None           |   |
| 18        | Comm  | Non-Term     | Fall         | Part           | Deleted since no recent fisheries.  |
| 18        | IFF   | Terminal     | Fall         |                |   |
| 19        | Comm  | Terminal     | Fall         |                | Used fall data.   |
| 19        | IFF   | Terminal     | Fall         |                |   |
| 20        | Comm  | Non-Term     | Summ         | None           | Deduct terminal portion of catch at Sooke.  |
| 20        | Comm  | Non-Term     | Fall         | Part           |   |
| 20        | Troll | Non-Term     | Summ         | None           | Used fall net rates.  |
| 20        | IFF   | Terminal     | Fall         |                | All troll catch assumed to be summer.   |
| 21        | Comm  | Non-Term     | Fall         | Data           |   |
| 21        | Troll | Non-Term     | Summ         | Part           | All troll catch assumed to be summer.   |
| 22        | Comm  | Terminal     | Fall         |                |   |
| 22        | IFF   | Terminal     | Fall         |                | All troll catch assumed to be summer.   |
| 23        | Comm  | Terminal     | Fall         |                |   |
| 23        | Troll | Non-Term     | Summ         | Part           | All troll catch assumed to be summer.   |
| 23        | IFF   | Terminal     | Fall         |                |   |
| 24        | Comm  | Terminal     | Fall         |                | All troll catch assumed to be summer.   |
| 24        | Troll | Non-Term     | Summ         | Part           |   |
| 24        | IFF   | Terminal     | Fall         |                | All troll catch assumed to be summer.   |
| 25        | Comm  | Terminal     | Fall         |                |   |
| 25        | Troll | Non-Term     | Summ         | Part           | All troll catch assumed to be summer.   |
| 25        | IFF   | Terminal     | Fall         |                |   |
| 26        | Comm  | Terminal     | Fall         |                | All troll catch assumed to be summer.   |
| 26        | Troll | Non-Term     | Summ         | Part           |   |
| 26        | IFF   | Terminal     | Fall         |                | All troll catch assumed to be summer.   |
| 27        | Comm  | Terminal     | Fall         |                |   |
| 27        | Troll | Non-Term     | Summ         | Part           | All troll catch assumed to be summer.   |
| 27        | IFF   | Terminal     | Fall         |                |   |
| 28        | Comm  | Terminal     | Fall         |                | May be non-terminal under PSC control; deduct inriver catches.                      |
| 28        | IFF   | Terminal     | Fall         |                |   |
| 29        | Comm  | Terminal     | Fall         | None           | All IFF is inriver.   |
| 29        | IFF   | Terminal     | Fall         |                |   |

Table 1b. Description of US fisheries and data availability.

| Stat Area | Gear  | Fishery Type | Timing Group | Data Available | Comments                                    |
|-----------|-------|--------------|--------------|----------------|---|
| 4         | Sport | Non-term     | Summ         | None           |   |
| 4         | Troll | Non-term     | Summ         | None           |   |
| 4A        | Net   | Terminal     | Fall         | None           |   |
| 4B        | Net   | Non-term     | Summ         | None           | Used fall data.                             |
| 4B        | Net   | Non-term     | Fall         | Part           | Assume area 5 data applicable.              |
| 4B        | Troll | Non-term     | Fall         | None           | Used fall data.                             |
| 5         | Net   | Non-term     | Summ         | None           | Used fall data.                             |
| 5         | Net   | Non-term     | Fall         | Data           | Commercial catch sampling for GSI.          |
| 5         | Sport | Non-term     | Summ         | None           | Used fall data.                             |
| 5         | Troll | Non-term     | Summ         | None           | Used fall data.                             |
| 6         | Net   | Non-term     | Summ         | None           | Used fall data.                             |
| 6         | Net   | Non-term     | Fall         | Part           | Interpolated from adjacent fisheries (6c,7) |
| 6         | Sport | Non-term     | Summ         | None           |   |
| 6         | Troll | Non-term     | Summ         | None           |   |
| 6A        | Net   | Non-term     | Summ         | None           | Deleted, no recent fisheries.               |
| 6A        | Net   | Non-term     | Fall         | None           | Deleted, no recent fisheries.               |
| 6B        | Net   | Non-term     | Summ         | None           | Deleted, no recent fisheries.               |
| 6B        | Net   | Non-term     | Fall         | None           | Deleted, no recent fisheries.               |
| 6C        | Troll | Non-term     | Summ         | None           | Used fall data.                             |
| 6C        | Net   | Non-term     | Summ         | None           | Used fall data.                             |
| 6C        | Net   | Non-term     | Fall         | Part           | Assume area 5 data applicable.              |
| 7         | Sport | Non-term     | Summ         | None           | Used fall data.                             |
| 7         | Net   | Non-term     | Summ         | None           | Used fall data.                             |
| 7         | Net   | Non-term     | Fall         | Data           | Commercial sampling and test vessels.       |
| 7A        | Net   | Non-term     | Summ         | None           | Used fall data.                             |
| 7A        | Net   | Non-term     | Fall         | Data           | Commercial sampling and test vessels.       |
| 7B        | Net   | Terminal     | Fall         | None           | Assumed terminal until evidence shows not.  |
| 8         | Net   | Terminal     | Fall         | None           | Assumed terminal until evidence shows not.  |
| 9         | Sport | Non-term     | Summ         | None           |   |
| 9         | Net   | Non-term     | Summ         | None           | Used fall data.                             |
| 9         | Net   | Non-term     | Fall         | Data           | Commercial sampling and test vessels.       |

- Gear designations are Net=Commercial gill net and seine.  
Comm=All commercial net and troll.  
Troll=Commercial troll.
- Fishery type is either Terminal or Non-terminal.
- Approximate run timing designation for US fisheries is Summer prior to Oct 1 and for Canadian fisheries prior to Sep 1.
- Data Availability designation is None=no data; Part=partial data available; and Data=GSI or other stock composition data are available.

#### Timing of southern B.C. chum stocks.

In British Columbia the inside chum stocks are divided into two groups based on timing, namely summer run and fall run. Only the fall run stocks are actively managed, for example the Johnstone Strait and Qualicum fisheries. The summer run stocks are not actively managed except in the terminal area where local surpluses are harvested.

The major summer run stocks include those from the Central Coast extending down to the mainland inlets in the Johnstone Strait area. The major summer run stocks in the Johnstone Strait area are the Bute and Kingcome Inlet stocks. The timing of the summer run stocks through the fisheries in areas 11, 12, and 13 extends through August and into September. Therefore they comprise an incidental catch in sockeye and pink fisheries. In contrast, the fall run stocks do not appear in abundance until mid-September. Consequently, September 1st is arbitrarily chosen as the cutoff between the migration of summer and fall run stocks. All chum catches in areas 11, 12, and 13 before September 1 are assumed to consist entirely of Canadian summer run stocks. This assumption is corroborated by the timing and abundance of the summer run stocks into terminal areas such as Bute Inlet. For consistency, all concurrent chum catches in areas 14 through 18 are also identified as summer run and not included in fall run calculations. The total chum catch in these areas before September 1 is small, generally less than one thousand fish.

No summer run stocks originate from the West Coast Vancouver Island (note that the troll catch harvests passing stocks with summer timing). Also, no winter or late runs (e.g. Nimpkish) are identified or actively managed, rather they are grouped for management purposes with the fall run stocks.

#### Timing of Washington chum stocks.

For US fisheries three distinct run timings are identified, summer, fall, and winter. However, the timing of the winter run after all fisheries excludes them from interception; so they will not be presented in this report. Summer runs include all catches before approximately October 1 (the exact date depends on the fishery). All catches after this time are assumed to be from fall timing stocks.

#### D. Identify data availability.

The availability of data is presented in Table 1. Three categories were identified, including:

1. NONE; no data... potential for interceptions exists but no GSI data available, generally potential for interception is thought to be low so no sampling has been conducted.
2. PART; partial data... some data exist but the quantity and/or quality is questionable so substantial extrapolation must be made in order to use the data.
3. DATA; data are available... a significant attempt has been made to determine stock composition in the fishery.

#### E. The final step is application of the available data to estimate interceptions.

The application of the available data was finalized on November 28-29, 1989 at the CTC meeting in Vancouver. In a joint session interception estimates were determined for Canadian and US fisheries. Generally if data were available they were used to determine joint estimates. For fisheries where there were no data or just partial data available then rates were either not estimated or the rates were extrapolated from adjacent fisheries which did have data available. Often in these fisheries the Canadian and US positions differed. The differences in position were explained in a footnote. These footnotes are described below. A description of the rationale used for each fishery is presented in Table 2.

- a. There is evidence of some interception but the interception is assumed to be so small that it is not quantifiable.
- b. No data available; interceptions may be anywhere in the range 0-100%.
- c. No data available; however, interceptions are assumed to be negligible.

- d. Interception rates are unavailable for one or more timing segments so fall interception rates were applied.
- e. Interception rates were estimated by interpolation between adjacent areas where GSI data existed.

Note that while the application methods were generally acceptable to both parties, the GSI data were not completely acceptable. Problems center on the accuracy of the electrophoretic results. Current research (see TCCHUM 89-1) is focusing on increasing the accuracy by using 21 loci, by quantification of bias at low stock levels, and by using alternative application methodologies such as pooling across weeks or years. Also note that in a number of fisheries two notes are present (e.g. Table 2, column 'Note', area 12&13 summer run has b/c) indicating two differing positions. In all these cases the interception rate was calculated as 0 percent.

Table 2. Joint determination of interception estimates by fishery; footnotes and comments describe data availability and method of application (area refers to statistical area designation, run refers to summer, fall, or winter, note refers to footnotes described above).

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**Canadian non-terminal Fisheries**

| Area    | Run | Note | Comments   |
|---------|-----|------|--|
| 11      | f   | c    | Accepted by both parties as 0% due to discrete nature of fishery and because timing is coincident with local escapement.   |
| 111     | s   | a    | Troll fishery; accepted as 0% with footnote 'a' by both parties, based on very small US percent in eight GSI samples.  |
| 12 & 13 | f   | -    | Agreed by both parties to use existing test fishing GSI data with data applied to subsequent weeks fisheries catch. Based on assumed migration timing through Johnstone Strait of 5-6 days, as per Anderson and Beacham (1983).<br><br>Years 1980-1984 the average of the 1985-1987 sampling will be used. 1985-1987 actual values to be used. |
| 12 & 13 | s   | c    | Canadian position is interception negligible because large difference in chum catch between area 12 and 13 suggests large portion of chums move into inlets, remaining portion required for lower area 13 mainland inlets.   |
|         |     | b    | US agrees but not willing to say negligible interception.  |
| 14      | s   | c    | Canadian position is that since catches so small in areas 14-19 and most can be attributed to small local summer runs.   |
|         |     | b    | US position is not willing to say negligible.  |
| 14      | f   | -    | Agreed by both parties to use existing GSI data weighted by weekly catch and GSI will be from commercial fishery sampling.   |
| 15-19   | s   | c    | Canadian position same as area 14 summer.  |
|         |     | b    | US position same as area 14 summer.  |
| 15 & 16 | f   | -    | Agreed to include in summer group as catch is predominantly in September.  |

- |         |     |   |   |
|---------|-----|---|---|
| 17      | f   | - | Agreed to deduct terminal component of catch in sub areas 17-13,14,15 based on district office observations. For any remaining catch, the 1985 GSI results of 8% will be used for all years.  |
| 18      | f   | - | Canada suggests mostly terminal since most catch along inside boundary of 18-6. US agreed to identify all catch as terminal due to low catches and distribution of effort when only a limited fishery occurs. US will reconsider if catches increase substantially.   |
| 20      | s   | d | Joint agreement to use the appropriate fall rate. Troll and net catches to be treated the same. IFF catches to be deducted as terminal.   |
| 20      | f   | - | Agreed by both parties to use existing GSI data from test fishing weighted by weekly catch. Note Sooke fishery not included.<br><br>Years 1980-1984 the average of the 1985-1987 sampling will be used. 1985-1987 actual values to be used.   |
| 21      | f   | - | See Area 20 fall with the exception that GSI samples were collected from commercial catches.  |
| 21      | s   | - | Joint agreement to use the area 123-126 rate.   |
| 123-126 | s   | - | Accepted 3.4% from single GSI sample taken from throughout area.  |
| 127     | s   | a | Accepted as 0% with footnote 'a' by both parties on the basis of samples taken at north end of Vancouver Island including area 11, see area 111 troll.  |
| 29      | s/f | - | Joint agreement to deduct all DFO regulated fisheries (after PSC relinquishes control) since catch occurs inside the river. PSC catches which include river will be arbitrarily divided 50% outside (29,1-8) and 50% inside (29,9-17).<br><br>For areas outside the river the 1985 GSI data will be reviewed. |

**US non-terminal fisheries**

Note: All US Area summer and winter runs to be treated in same manner as fall as shown by footnote 'd'.

- |    |       |     |   |
|----|-------|-----|---|
| 4  | s/f/w | d,b | Joint Agreement, no data.   |
| 4B | s/f/w | d,e | Joint Agreement to use adjacent Area 5 GSI data.  |
| 5  | s/f/w | d   | For 1980-1985 use the mean GSI result for years 1986-1987 of 29%. Based on 15 loci results. |
| 6C | s/f/w | d,e | Joint Agreement, same as 4B.  |
| 6  | s/f/w | d,e | Joint Agreement, by interpolation of GSI results of two adjacent areas 5 & 7.               |

|    |       |                |  |
|----|-------|----------------|--|
| 7  | s/f/w | d              | Use GSI mean for 1986-1987 of 70.9% for 1980-1985. Use point estimate for 1986 & 1987.<br><br>GSI samples are taken from the lower part of Area 7 as most of the catch comes from this area. Upper portion not sampled unless fishing effort increases in this area. Does not account for fishing in north and landing in southern part. |
| 7a | s/f/w | d              | Use GSI mean for 1986-1987 of 75.5% for 1980-1985 and point estimates for 1986-1987.   |
| 7b | s/f/w | c<br>b         | US position, assumed to be mostly terminal local stocks.<br>Canadian position. Known that Canadian sockeye are present and chum could follow same pattern of distribution.   |
| 8  | s/f/w | -              | Agreed to consider as terminal catch until evidence that Fraser fish move in through Deception Pass.   |
| 9  | s/f/w | d,a<br><br>d,b | US position<br><br>Tagging studies indicate possible migration however as fishery occurs in southern portion of 9 so can assume negligible.  |

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The format used for the interception database follows the format suggested in the Joint Interception Committee memo of September 1989 to the technical committees. The interception rates shown are a product of rates applied separately to summer and fall timing groups. These calculations are hidden just to the right of the main spreadsheet shown here.

Special notations for the interception tables indicate:

- the quality of information available.
- entries separated by dashes indicate entries for different stocks (i.e. summer or fall).
- within an entry letter codes separated by a slash (/) indicate differing position between US and Canada.
- where more than one stock is involved (i.e. summer and fall), an asterisk indicates agreement on that particular stock.
- where the notation covers all stocks present a single entry was made.

The coded notations are:

- a There is evidence of some interception but the interception is assumed to be so small that it is not quantifiable.
- b No data available; interceptions may be anywhere in the range 0-100%.
- c No data available; however, interceptions are assumed to be negligible.
- d Interception rates are unavailable for one or more timing segments so fall interception rates were applied.
- e Interception rates were estimated by interpolation between adjacent areas where GSI data existed.