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**PACIFIC SALMON COMMISSION
JOINT CHINOOK TECHNICAL COMMITTEE**

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**ESTIMATES OF CHINOOK SALMON INTERCEPTIONS
A REPORT TO THE
JOINT INTERCEPTIONS COMMITTEE**

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A Report to the Joint Interceptions Committee

Prepared By

Joint Chinook Technical Committee
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Executive Summary

In February of 1989, the Pacific Salmon Commission (PSC) established an Ad-Hoc Joint Interceptions Committee (JIC) in an attempt to narrow differences in salmon interception estimates exchanged by the United States and Canada one month earlier. A request was made to the Chinook Technical Committee to provide assistance in resolving differences in chinook salmon interceptions.

This report presents the Chinook Technical Committee's estimates of chinook salmon interceptions for the period 1981 through 1989. These estimates reflect an agreement on methodologies within the Chinook Technical Committee.

These estimates are primarily based on the PSC chinook model which was bilaterally developed to evaluate the impacts of management approaches on rebuilding of depressed chinook stocks. Since this model was not designed for the specific purpose of estimating stock compositions or estimating interceptions, a number of adjustments were required before model results could be applied. These adjustments are described on a fishery by fishery basis within the body of this report.

While the Committee reached agreement on the interception estimates presented in this report, concerns remain as to their accuracy, interpretation, and potential use. The absolute magnitude of interceptions presented in this report should be viewed with caution since: (a) the accuracy of these estimates cannot be independently determined; (b) catches in some time and area strata for Canadian sport fisheries are not included; and (c) model stock composition estimates are not available for all catch strata. Interpretive notes pertaining to interception estimates for particular areas are provided for reference.

The Committee is confident that these estimates are consistent with our understanding of relative changes in stock status and appropriately reflect changes in interceptions patterns. The interception estimates presented in this report are considered the best available.

1.0 Methods and Assumptions

The interception estimates presented in this report are based primarily upon information produced by the PSC chinook rebuilding model. The model produces estimates of stock composition for the stocks represented and automatically simulates changes in hatchery production, survival, and exploitation rates.

The model was recalibrated to reflect the most current data available for both catches and 1990 run projections. Appendix A describes changes made to calibration procedures.

For some fisheries in the model, a significant portion of the catch is believed to be comprised of unrepresented stocks. Although the model can produce estimates of catch composition, the model does not include all stocks which contribute to the fisheries in the model. Therefore, before the estimated stock compositions can be applied to catch statistics to produce estimates of interceptions, these catches must be adjusted to account for estimated contributions by Transboundary stocks and other unrepresented stocks. After these adjustments are made, the impact of unrepresented stocks on interception estimates should be minimal.

A cut-off stock composition proportion was used for estimation of interceptions; if the proportion of the catch consisting of the stock group of interest was less than 0.1%, the interception rate was considered to be zero. This procedure was adopted to eliminate the need for complex computational procedures to account for interception estimates of very small magnitude.

Adjustments to fishery catches, and notes to aid understanding and interpretation, are described in separate sections for specific fisheries.

In addition to the PSC chinook model, estimates for the contributions of Transboundary stocks and other stocks that are not included in the model were developed. The methodologies employed are described for specific fisheries within individual sections of this report.

1.1 Data Sources

1.1.1 S.E. Alaska

Catch data were provided in summary form (total S.E. Alaska by gear type) by the Alaska Department of Fish & Game (ADF&G). Data were current as of May 31, 1990. Alaska hatchery catch by gear type was also provided by the same date for the period 1985 to 1989 only. Only the total Alaska hatchery catch for all gear types was used for the period 1981 to 1984.

1.1.2 British Columbia

Catch data for British Columbia commercial fisheries were taken from the Salmon Stock Assessment Catch Data Base which resides on the VAX cluster at the Pacific Biological Station in Nanaimo. Data were current as of May 31, 1990.

Catch data for the Georgia Strait sport fishery were supplied by the Hook & Line Unit of the South Coast Division of the Canadian Department of Fisheries and Oceans (CDFO). Data were current as of June 4, 1990.

Sport catch data from other areas were not included unless supplied and supported by the local managers. Complete sport catch estimates by area were available only from the North Coast Division of CDFO. As well, partial estimates for the Barkley Sound sport fishery were available based on a creel survey. Details on the extent of coverage as to area and time are provided in Section 2.4.1.

Sport catch estimates also were made for some areas and time periods not covered in the paragraphs describing adjustments to catch and interpretive notes for Canadian catch areas. Additional estimates are available for the areas to the west of Sheringham Point in the strait of Juan de Fuca, to the north of Chatham Point in Johnstone Strait, and off the West Coast of Vancouver Island (WCVI) (L. Bijsterveld, personal communication). The magnitude of these catch estimates can be large, but the their reliability is uncertain since they are generally based on mail survey questionnaires and telephone interviews. These estimates were not used because they have not been accepted for management purposes. Estimates of interceptions associated with sport catch estimates for these additional strata are presented below. These interceptions are not included in the Committee's interception estimates.

Estimates of Interceptions Associated With Canadian Sport Fishery Catches That Are Not Accepted For Management Purposes By CDO (Rounded To Nearest 100).

Year	Interceptions
1985	23,600
1986	30,600
1987	32,500
1988	40,600
1989 (Incomplete)	700

1.1.3 Transboundary

Catch and escapement data were extracted from the preliminary 1989 catch report of the Transboundary Technical Committee. coded-wire tag (CWT) recovery data for the Taku stock were provided by ADF&G.

1.1.4 Washington

Catch data were provided by area and gear type by the Washington Department of Fisheries (WDF). Data were current as of June 8, 1990.

1.2 Interpretive Notes

Stock composition estimates generated by the model reflect the structure and assumptions of the model itself. The three assumptions most critical to the stock composition estimates generated by the model are:

- a. The proportion of the catch contributed by unrepresented stocks remains constant.
- b. Hatchery CWT groups are representative of the exploitation patterns on associated stocks.
- c. The temporal and spatial distributions of stocks in and between fisheries are relatively stable from year to year.

Information to determine the validity of these assumptions is not currently available.

Catch distribution patterns used to calibrate the model are estimated from the base years 1979 - 1982. Changes in fishing patterns or in distribution or timing of stocks which result

in differential changes in the fishery exploitation of specific stocks are not represented in the model.

Some southern U.S. stocks which are not represented in the model may contribute fish to Canadian and/or Alaska fisheries (e.g. Columbia River Upriver Spring; Washington/Oregon Coastal Spring). The total contribution of these stocks to northern fisheries is thought to be very minor.

A portion of the catches by ocean fisheries off the Washington Coast are believed to be comprised of non-far-north migrating stocks from the Oregon coast and California. These stocks also contribute to the catch off the West Coast of Vancouver Island to a minor degree.

The accuracy and variability of the data differ between stocks and between fisheries. Because of the lack of complete CWT data for all stocks, a variety of estimation methods are required for cohort analysis. Data for some stocks are typified by: small numbers of CWT recoveries; questionable reliability of escapement estimates and associated CWT recoveries; variable production; and inadequate catch sampling for some fisheries. Other stocks are represented by a time series of good tagging and recovery data, accurate escapement counts, etc. and some fisheries have a consistent record of a large and complete sampling effort.

2.0 Estimates of Interceptions

Interceptions are estimated by: (a) identifying appropriate catch strata; (b) subtracting estimates of contributions from stocks that are not represented in the model from currently available reported catches; and (c) applying the stock composition estimates generated by the model to the remaining catch.

Estimates of interceptions in landed catch have been incorporated into LOTUS 123 spreadsheets in the format requested by the JIC (Listing in Appendix B). Interceptions attributed to incidental fishing mortality loss are not presented. Catch composition estimates by fishery for the stocks represented in the model are summarized in Table 1. Annual estimates of interceptions by categories requested by the JIC are presented in Table 2.

Table 1. Percentage of Chinook Catch Comprised of U.S. - Origin stocks. Only Stocks Represented in PSC Chinook Model.

FISHERY	YEAR									
	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89
Alaska Troll	50	49	50	48	44	40	55	72	63	61
North B.C. Troll	59	60	60	56	54	55	67	74	72	65
Central B.C. Troll	30	30	30	30	22	35	45	54	57	44
WCVI Troll	63	64	71	61	66	75	88	90	89	79
WA/OR Ocean Troll	72	74	83	63	79	87	92	96	96	81
Georgia Strait Troll	13	13	11	14	18	25	29	34	32	24
Alaska Net	25	21	25	24	21	21	33	41	34	25
North B.C. Net	36	37	35	43	31	40	56	62	52	47
Central B.C. Net	39	41	40	43	42	53	58	54	44	38
WCVI Net	46	49	35	29	34	48	60	74	43	22
Area 20 Net	68	72	63	68	60	74	71	68	61	55
N Puget Sound Net	65	63	64	65	66	61	69	72	58	74
S Puget Sound Net	93	92	92	92	97	97	97	98	94	96
Washington Coastal Net	100	100	100	100	100	100	100	100	100	100
Columbia River Net	100	100	100	100	100	100	100	100	100	100
Johnstone Strait Net	20	20	18	21	24	26	25	34	25	23
Fraser Net	1	1	1	1	2	2	2	2	1	1
Alaska Sport	41	39	42	42	38	37	46	66	55	51
North/Cent B.C. Sport	27	28	24	22	16	19	16	25	18	18
WCVI Sport	19	21	18	7	16	33	55	68	33	12
Washington Ocean Sport	96	96	96	95	96	98	99	99	99	98
N Puget Sound Sport	89	89	89	90	93	95	96	98	96	93
S Puget Sound Sport	80	80	79	84	89	93	94	96	91	89
Georgia Strait Sport	28	28	29	32	38	49	49	52	53	44
Columbia River Sport	100	100	100	100	100	100	100	100	100	100

Table 2. Annual Estimates Of Interceptions Summarized by Category (1000 fish).

- A = Alaskan Catch of Canadian Origin Fish;*
B1 = Alaskan Catch of Fish Originating in Canadian Portions of Transboundary Rivers;
B2 = Canadian Catch of Fish Originating in Canadian Portions of Transboundary Rivers;
C = Canadian Catch of Alaskan Fish;
D = Canadian Catch of Washington/Oregon/Idaho Fish;
E = Washington/Oregon Catch of Canadian Origin Fish.

CATEGORY

Year	A	B1	B2	C	D	E
1980	170.7	10.7	2.8	ne	647.0	83.0
1981	146.0	11.3	2.2	ne	575.4	90.9
1982	159.0	17.0	3.1	ne	648.5	79.7
1983	166.5	1.3	3.2	ne	485.0	74.4
1984	163.6	5.8	1.8	ne	640.0	39.4
1985	160.6	5.3	2.1	ne	618.1	38.0
1986	114.1	5.8	3.5	ne	638.9	28.4
1987	75.7	6.5	3.4	ne	656.8	20.4
1988	93.5	9.2	3.9	ne	619.1	36.2
1989	109.5	7.9	4.4	ne	449.4	26.5

ne = not estimated.

2.1 Southeast Alaska

2.1.1 Adjustments To Catches

In addition to the stocks represented in the Chinook model, Southeast Alaska fisheries harvest Alaska hatchery and Transboundary chinook salmon stocks. These Alaska hatchery stocks are not represented in the model because of the potential difficulty of incorporating an ability to simulate hatchery add-on procedures and the initiation of terminal area fisheries targeting on hatchery surpluses. Transboundary stocks are not represented in the model due to the lack of suitable CWT data to represent these stocks. It was estimated that the combined total contribution from the Taku River, Stikine River, and Alsek River amounts to approximately 3% of the Southeast Alaska catch (see Section 3.0). This quantity was subtracted from the Southeast Alaska catch prior to the application of model estimates of stock composition.

S.E. Alaska fisheries have been managed to achieve a total annual base catch of 263,000 chinook salmon, adjusted for overages or underages in previous years. The hatchery add-on is evaluated annually, based on tagging and sampling rates; the add-on is computed as the hatchery contributions in excess of a 5,000 base level for pre-Treaty production, reduced by a risk adjustment for estimation error.

The contribution of fish released from Alaskan hatcheries (estimated from CWT recoveries) was subtracted from the total catch of each Alaskan fishery. For 1980 through 1984, catches of fish originating from Alaskan hatcheries by gear type were estimated by distributing the total contributions estimated for all gear among gear types according to the 1985-89 average.

2.1.2 Interpretive Notes

The stock composition estimated by the model stocks is assumed to represent the total catch, less the Alaska hatchery contribution and less the estimated contribution of Transboundary stocks to the fisheries. Contributions from other non-represented stocks is believed to be relatively minor.

2.2 North/Central B.C.

2.2.1 Adjustments To Catches

Catches in terminal areas, as defined in the 1989 Canadian proposal for terminal exclusion, were removed from the appropriate gear and area strata. The background for removing these catches from estimates of interceptions, the methods used to estimate catches, and the estimated catches are presented in the 1989 Canadian proposal. In Canadian terminal exclusion estimates, only large chinook (larger than 5 pounds in round weight) were included. Since net catches in the interception report represent total chinook, the jack chinook catch had to be estimated for these terminal exclusion areas. This was done by using the ratio of jacks to total catch in the entire statistical area in which the terminal area is located.

The fishery for which a portion of terminal catches were excluded from estimates of interceptions is the tidal sport fishery in Kitimat Arm (management Area 6-1). The catch in Area 6-1 was estimated as two-thirds of the Area 6 sport catch. Model stock composition estimates were applied to the remaining one-third of the estimated sport catch in Area 6. The Skeena River gillnet fishery located in the tidal area at the mouth of the river and the Bella Coola gillnet fishery were excluded from estimates of interceptions.

2.2.2 Interpretive Notes

For net fisheries, model stock compositions were applied to total catch of fish of all sizes as the stock composition estimates produced by the model include all ages in the catch.

Sport catches in the north and central B.C. areas are presented as reported by fisheries officers.

The model stock composition estimate for the Central troll fishery was applied to the Area 12 troll catch. CWT recoveries from this area are included in the central coast for modeling purposes. Further, the fishery operates primarily in the northern portion of Area 12. Because the magnitude of catches in Area 12 is small (typically less than 3,000 fish), any errors resulting from this procedure are likely to be very minor.

Canadian harvests of S.E. Alaska chinook stocks have not been incorporated into the interception database because of their small magnitude. Estimates of Canadian catches of S.E. Alaska hatchery chinook are summarized in Table 3 for reference. These catches are derived by expanding the estimated CWT recoveries (contained in the CDFO Mark Recovery Program Database on June 12, 1990) by unmarked to marked ratios at release. Since this stock group comprised less than 0.1% of the catch (see methods section 1.0), these catches were not included in estimates of interceptions.

Table 3. Estimated Catch of S.E. Alaska Hatchery Chinook by Canadian Fisheries 1980-1989.

Canadian Catch Region	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89	'80-9 Avg
Central Net	0	0	3	0	0	2	3	12	0	0	2
Central Sport	0	0	0	0	0	19	0	0	0	0	2
Central Troll	0	0	0	0	0	10	0	0	0	0	1
North Net	0	5	22	15	43	12	139	347	227	198	101
North Sport	0	0	0	0	0	0	0	0	4	69	7
North Troll	4	0	36	118	123	216	414	166	1014	182	227
WCVI Troll	6	0	0	0	0	0	0	0	112	0	12
Total	10	5	61	133	166	259	556	525	1357	449	352

2.3 Georgia Strait

2.3.1 Adjustments To Catches

Sport catch estimates for 1981 and 1982 were adjusted to compensate for the lack of coverage from October 1981 through April 1982. Total catch estimates for these two years have been published (Shardlow and Collicutt 1989), but have not yet been partitioned into individual statistical areas. For this report, catches by statistical area were estimated by using the ratio of the total reported catch by statistical area to the total reported catch for all areas (January to September in 1981 and May to December in 1982) to partition out the estimated total catch. In Appendix B, catches reported for Area 19A were placed in Area 19 and catches reported for Area 19B were placed in Area 20.

2.3.2 Interpretive Notes

Sport catch statistics contained in Appendix B may differ slightly from published statistics due to estimation procedure employed. The procedure employed to estimate catch by statistical area may not accurately reflect actual distributions. Since the catch during winter months tends to be concentrated in the Victoria area, catches may not be distributed in the same manner as total catches for the entire year. However, this distribution is irrelevant to the estimation of interceptions since the same stock composition estimate is used to estimate interceptions for all statistical areas of the Georgia Strait sport fishery.

Stock composition estimates for the Johnstone Strait net fishery were applied to Georgia Strait net fishery catches, since these fisheries were combined for modeling purposes.

The Georgia Strait sport fishery creel census covers the area from Sheringham Point in Juan de Fuca Strait to Chatham Point in Johnstone Strait.

2.4 West Coast Vancouver Island

2.4.1 Adjustments To Catches

Annual catches for the net fishery were divided into two periods to separate sockeye-directed incidental harvests which occur in outer areas of Barkley Sound from catches taken in Alberni Inlet during chinook-directed fisheries in August. For catches after August 1, the catch is believed to be comprised almost entirely of fish returning to WCVI rivers and hatcheries. CWT data indicate that WCVI stocks are not encountered in the Barkley Sound fishery prior to August 1.

Model stock composition estimates were adjusted by removing the proportion attributed to WCVI stocks and applying the resulting stock compositions to catch estimates for the WCVI net fishery for the period prior to August 1.

For the WCVI sport fishery, catches in Alberni Inlet after August 1 are believed to be comprised almost entirely of fish returning to WCVI rivers and hatcheries. Model-based stock composition estimates (after removal of contributions by WCVI stocks caught in Alberni Inlet) for the WCVI sport fishery are applied only to estimates of catch for the Barkley Sound area.

2.4.2 Interpretive Notes

For the Area 23 sport fishery, catch estimates are available only for variable areas and time periods.

For 1984 and 1985, the catch estimates are available only for the months of August and September. These estimates are based upon a creel census conducted from August 20 to September 30. The August catch was estimated by expanding results of the survey to the entire month. DFO Information Report 86-5 indicates that all of Barkley Sound was covered, including the area immediately to the west of Ucluelet and around Cape Beale.

For 1986, only the part of Barkley Sound inside of Gibraltar and Nanat Islands was covered and that the survey was conducted in August and September. The map contained in DFO Information Report 86-5 shows that coverage extended only about halfway up Barkley Sound from Port Alberni.

For 1987, all of Barkley Sound was covered from June 19 to September 30. The map contained in the report indicates that the survey extended further out of Barkley Sound than in 1984 and 1985. (DFO Information Report 87-7.)

For 1988, separate catch estimates are available for Alberni Inlet and Barkley Sound for the period from August 18 to September 30. No indication is given as to whether attempts were made to expand the estimated catch during the August survey to cover the entire month. (Memo May 3, 1989)

For 1989, separate catch estimates are available for Alberni Inlet and Barkley Sound for the period from July 17 to September 30. No indication is given as to whether attempts were made to expand the estimated catch during July. (Memo January 24, 1990)

2.5 Washington/Oregon Ocean

2.5.1 Adjustments To Catches

Model estimates of stock composition should not be applied to ocean fisheries south of Cape Falcon, Oregon, as the model does not include the stocks which predominate in these fisheries. Contributions of Canadian stocks to fisheries south of Cape Falcon are believed to be small.

For ocean sport and troll fisheries north of Cape Falcon, model stock composition estimates should be applied only to the portion of the catch attributable to stocks represented in the model.

For interception purposes, catches were reduced by the proportion of the catch estimated to be comprised of unrepresented U.S. origin stocks. The troll and sport catches reported for Washington Area 1 include Oregon catches from north of Cape Falcon.

Catches for net fisheries in Area 4 and 4A were classified as Washington coastal net. Catches by net fisheries within subareas of Willapa Bay and Grays Harbor prior to August 16 ("dip-in" fisheries directed at non-local stocks) were aggregated and included as Washington coastal net catches for Area 2. Catches in Grays Harbor and Willapa Bay during other time periods were considered terminal and not included.

2.5.2 Interpretive Notes

The contribution of stocks not included in the model was estimated using Genetic Stock Identification (GSI) (WDF 1988a; Shaklee et al. 1989; Marshall et al. 1990). These data also form the basis for stock composition estimates used for Pacific Fishery Management Council processes. Stocks not represented in the model include southern Oregon stocks, California stocks, and Washington/Oregon coastal spring/summer stocks. Tables 4 and 5 present GSI-based stock composition estimates (catch-weighted by area and time) for the 1987 through 1989 ocean sport and troll fisheries north of Cape Falcon, Oregon, respectively. For years prior to 1987, the 1987-1989 average was used. GSI data prior to the 1987 season were not employed due to changes in the GSI baseline; further, the California Eel & Coastal, Klamath, Smith, and Central B.C. Coastal stocks were not included in the 1987 GSI analysis, but contributions of these stocks are relatively minor.

Table 4. Summary of Catch-Weighted GSI-Based Stock Composition Estimates for the Ocean Sport Fishery North of Cape Falcon, Oregon.

Stock	In Model	1987	1988	1989	Average
Sacramento River (SP, F, W)	no	4.3%	22.6%	21.0%	16.0%
California Eel & Coast (F)	no	0.0%	0.0%	0.1%	0.0%
Klamath (SP, F)	no	0.0%	0.0%	1.2%	0.4%
Smith (F)	no	0.0%	0.0%	0.0%	0.0%
South Oregon Coast (SP, F)	no	0.0%	0.0%	0.1%	0.0%
North Oregon Coast (SP, F)	yes	1.0%	3.5%	3.5%	2.7%
Lower Columbia River (SP)	yes	17.1%	13.5%	3.7%	11.4%
Lower Columbia & Bonneville Pool (F)	yes	70.1%	48.3%	50.1%	56.2%
Upper Columbia (SP)	no	0.2%	0.0%	1.7%	0.6%
Snake R. (SP)	no	0.0%	0.0%	0.0%	0.0%
Upper Columbia & Snake (SUM)	yes	0.0%	0.2%	0.4%	0.2%
Upper Columbia & Snake (F)	yes	6.8%	1.6%	4.6%	4.3%
No. Washington Coast (SP, SU)	no	0.0%	0.0%	0.0%	0.0%
Washington Coastal (F)	yes	0.0%	0.0%	0.1%	0.0%
No. Puget Sound (SP)	no	0.0%	0.0%	0.8%	0.3%
Puget Sound (SU, F)	yes	0.4%	4.6%	8.5%	4.5%
Lower Fraser River (SP)	no	0.0%	0.0%	0.0%	0.0%
Lower Fraser River (F)	yes	0.1%	0.4%	2.0%	0.8%
Thompson River (SU)	yes	0.1%	1.6%	1.0%	0.9%
Mid-Fraser River (SP, SU)	yes	0.0%	0.0%	0.1%	0.0%
Upper Fraser River (SP, SU)	yes	0.0%	0.8%	0.1%	0.3%
West Vancouver Island (F)	yes	0.0%	1.7%	0.9%	0.8%
Upper Georgia Strait (SU, F)	yes	0.0%	0.0%	0.0%	0.0%
Lower Georgia Strait (SU, F)	yes	0.0%	1.2%	0.1%	0.4%
Central B.C. Coast (SU)	yes	0.0%	0.0%	0.0%	0.0%
STOCKS NOT IN MODEL		4.5%	22.6%	24.1%	17.1%
STOCKS IN MODEL		95.5%	77.4%	75.9%	82.9%

Table 5. Summary of Catch-Weighted GSI-Based Stock Composition Estimates for the Ocean Troll Fishery North of Cape Falcon, Oregon.

Stock	In Model	1987	1988	1989	Average
Sacramento River (SP, F, W)	no	4.8%	16.1%	17.6%	12.9%
California Eel & Coast (F)	no	0.0%	0.0%	0.2%	0.1%
Klamath (SP, F)	no	0.0%	0.0%	1.0%	0.3%
Smith (F)	no	0.0%	0.0%	0.0%	0.0%
South Oregon Coast (SP, F)	no	0.3%	0.2%	0.2%	0.2%
North Oregon Coast (SP, F)	yes	1.0%	5.8%	1.8%	2.9%
Lower Columbia River (SP)	yes	14.0%	11.3%	6.9%	10.7%
Lower Columbia & Bonneville Pool (F)	yes	69.3%	47.8%	44.1%	53.7%
Upper Columbia River (SP)	no	0.7%	0.0%	0.8%	0.5%
Snake River (SP)	no	0.0%	0.0%	0.0%	0.0%
Upper Columbia & Snake (SUM)	yes	0.0%	0.4%	1.7%	0.7%
Upper Columbia & Snake (F)	yes	6.6%	3.4%	2.6%	4.2%
No. Washington Coast (SP, SU)	no	0.0%	0.3%	0.0%	0.1%
Washington Coastal (F)	yes	0.2%	0.0%	0.2%	0.1%
No. Puget Sound (SP)	no	0.0%	0.0%	0.4%	0.1%
Puget Sound (SU, F)	yes	2.3%	9.5%	16.7%	9.5%
Lower Fraser River (SP)	no	0.0%	0.0%	0.0%	0.0%
Lower Fraser River (F)	yes	0.6%	0.8%	3.6%	1.6%
Thompson River (SU)	yes	0.2%	1.1%	0.7%	0.7%
Mid-Fraser River (SP, SU)	yes	0.1%	0.3%	0.2%	0.2%
Upper Fraser River (SP, SU)	yes	0.0%	0.2%	0.2%	0.1%
West Vancouver Island (F)	yes	0.0%	1.8%	0.7%	0.9%
Upper Georgia Strait (SU, F)	yes	0.0%	0.0%	0.1%	0.0%
Lower Georgia Strait (SU, F)	yes	0.0%	0.9%	0.3%	0.4%
Central B.C. Coast (SU)	yes	0.0%	0.0%	0.0%	0.0%
STOCKS NOT IN MODEL		5.7%	16.6%	19.8%	14.1%
STOCKS IN MODEL		94.3%	83.4%	80.2%	85.9%

GSI-based stock composition estimates for ocean net fisheries in Areas 4 and 4A and for Grays Harbor and Willapa Bay "dip-in" fisheries are not available. The contribution of stocks not included in the model was estimated from GSI data for the ocean fishery. These adjustments are irrelevant to the estimation of interceptions, however, since the model-estimated stock compositions indicate that Canadian fish are not harvested by Washington coastal net fisheries. The classification of net catches in Areas 4 and 4A as Washington coastal net fisheries may introduce some error in estimates of interceptions; however, since the magnitude of the catches involved is very small, any potential errors are negligible.

2.6 Northern Puget Sound

2.6.1 Adjustments To Catches

Northern Puget Sound areas in the model consist of marine statistical areas in the Strait of Juan de Fuca and San Juan Islands (Areas 4B, 5, 6, 6A, 6C, 7 and 7A). Model stock composition estimates should be applied only to the portion of the catch attributable to stocks represented in the model. Catches were adjusted by the proportion of the catch estimated to be comprised of unrepresented stocks (for years where no data are available, the average of all available years was employed).

GSI estimates are not available for the stock composition of net catches in Northern Puget Sound. The unrepresented stock component was assumed to be equal to that of the sport fishery.

2.6.2 Interpretive Notes

The contribution of stocks not included in the model was estimated using GSI (WDF 1988b; WDF 1988c; Shaklee et al. 1989; Marshall et al. 1990). GSI estimates of the stock composition (catch-weighted by time and area) of the Strait of Juan de Fuca sport and treaty troll fisheries are presented in Tables 6 and 7, respectively. Data prior to the 1987 season were not employed due to changes in the GSI baseline.

The estimate of the nonrepresented component of the Northern Puget Sound net fishery may be in error since it was assumed to be equal to the sport fishery. The sport fishery occurs primarily in the Strait of Juan de Fuca, while the majority of the net catch occurs in the San Juans.

Table 6. Estimated Catch-Weighted GSI-Based Stock Compositions For U.S. Strait of Juan De Fuca Sport Catch.

STOCK	In Model	1987	1988	1989	Average
Sacramento River (SP, F, W)	no	1.2%	2.1%	0.7%	1.3%
California Eel & Coast (F)	no	0.0%	0.5%	0.0%	0.2%
Klamath (SP, F)	no	0.0%	0.0%	0.0%	0.0%
Smith (F)	no	0.0%	0.0%	0.0%	0.0%
South Oregon Coast (SP, F)	no	0.0%	0.0%	0.0%	0.0%
North Oregon Coast (SP, F)	yes	1.9%	1.8%	1.9%	1.9%
Lower Columbia River (SP)	yes	1.8%	1.4%	2.9%	2.0%
Lower Columbia & Bonneville Pool (F)	yes	40.0%	19.9%	11.4%	23.8%
Upper Columbia River (SP)	no	0.5%	0.3%	0.0%	0.2%
Snake River (SP)	no	0.0%	0.0%	0.0%	0.0%
Upper Columbia & Snake (SUM)	yes	1.6%	1.4%	2.1%	1.7%
Upper Columbia & Snake (F)	yes	4.7%	2.6%	2.4%	3.2%
No. Washington Coast (SP, SU)	no	3.4%	2.8%	0.0%	2.1%
Washington Coastal (F)	yes	0.4%	0.0%	0.1%	0.1%
N. Puget Sound (SP)	yes	0.3%	1.0%	0.0%	0.5%
Puget Sound (SU, F)	yes	34.7%	59.5%	63.0%	52.4%
Lower Fraser River (SP)	no	0.0%	0.0%	0.0%	0.0%
Lower Fraser River (F)	yes	3.2%	2.1%	6.2%	3.8%
Thompson River (SU)	yes	0.8%	1.8%	4.9%	2.5%
Mid-Fraser River (SP, SU)	yes	2.8%	0.8%	1.6%	1.7%
Upper Fraser River (SP, SU)	yes	0.3%	0.6%	0.9%	0.6%
West Coast Vancouver Island (F)	yes	1.0%	0.7%	0.1%	0.6%
Upper Georgia Strait (SU, F)	yes	0.0%	0.0%	0.6%	0.2%
Lower Georgia Strait (SU, F)	yes	1.3%	0.4%	0.6%	0.8%
Central B.C. Coast (SU)	yes	0.0%	0.2%	0.6%	0.3%
STOCKS NOT IN MODEL		5.0%	5.7%	0.7%	3.8%
STOCKS IN MODEL		95.0%	94.3%	99.3%	96.2

Table 7. *Summary of Catch-Weighted GSI-Based Stock Composition Estimates for the Treaty Troll Fishery in the Strait of Juan De Fuca. Area 4B catches included for entire year.*

Stock	In Model	1986-87	1987-88	1988-89	Average
Sacramento River (SP, F, W)	no	0.2%	3.8%	0.3%	1.4%
California Eel & Coast (F)	no	0.0%	0.8%	0.0%	0.3%
Klamath (SP, F)	no	0.0%	0.3%	0.0%	0.1%
Smith (F)	no	0.0%	0.1%	0.0%	0.0%
South Oregon Coast (SP, F)	no	0.0%	0.0%	0.3%	0.1%
North Oregon Coast (SP, F)	yes	2.1%	1.4%	0.5%	1.3%
Lower Columbia River (SP)	yes	1.7%	4.1%	1.4%	2.4%
Lower Columbia & Bonneville Pool (F)	yes	41.9%	28.6%	11.9%	27.5%
Upper Columbia (SP)	no	1.6%	0.0%	0.0%	0.5%
Snake River (SP)	no	0.0%	0.0%	0.0%	0.0%
Upper Columbia & Snake (SUM)	yes	0.4%	0.6%	0.1%	0.4%
Upper Columbia & Snake (F)	yes	1.4%	2.0%	0.8%	1.4%
No. Washington Coast (SP, SU)	no	0.3%	0.2%	0.3%	0.3%
Washington Coastal (F)	yes	0.2%	0.2%	0.2%	0.2%
No. Puget Sound (SP)	no	0.2%	1.1%	0.8%	0.7%
Puget Sound (SU, F)	yes	41.2%	50.8%	62.5%	51.5%
Lower Fraser River (SP)	no	0.0%	0.0%	0.2%	0.1%
Lower Fraser River (F)	yes	4.5%	3.0%	17.0%	8.2%
Thompson River (SU)	yes	0.4%	0.6%	1.7%	0.9%
Mid-Fraser River (SP, SU)	yes	0.6%	0.1%	0.0%	0.2%
Upper Fraser River (SP, SU)	yes	0.0%	0.3%	0.0%	0.1%
West Coast Vancouver Island (F)	yes	1.6%	0.3%	0.1%	0.7%
Upper Georgia Strait (SU, F)	yes	0.0%	0.0%	0.5%	0.2%
Lower Georgia Strait (SU, F)	yes	1.7%	1.0%	1.3%	1.4%
Central B.C. Coast (SU)	yes	0.0%	0.6%	0.0%	0.2%
STOCKS NOT IN MODEL		2.1%	5.3%	1.1%	2.8%
STOCKS IN MODEL		97.9%	94.7%	98.9%	97.2%

The model consistently underestimates the catch in the North Puget Sound net fishery. For the years 1980-89, the model catch averages 83% of the reported catch. This may indicate either that the abundance of some modeled stocks which contribute to this fishery is not scaled correctly, or that exploitation patterns have changed, or that stocks which are not represented in the model contribute significantly to this fishery.

2.7 Other Puget Sound

2.7.1 Adjustments To Catches

Other Puget Sound areas represented in the model consist of all statistical areas not included in the Northern Puget Sound area previously described. All stocks harvested in this area are assumed to be represented in the model. Catches in areas 10 to 13 include all subarea catches.

2.7.2 Interpretive Notes

GSI estimates of stock composition are not available for fisheries in these areas.

2.8 Washington/Oregon Terminal Areas

Model stock composition estimates should not be applied to terminal area catches in Puget Sound, the Strait of Juan De Fuca, the Washington Coast, and the Columbia River.

Net fishery catches in Areas 4 and 4A were classified as Washington coastal net. Willapa Bay and Grays Harbor net fishery catches prior to August 16 ("dip-in" fishery directed at non-local stocks) were aggregated within subareas and reported as Area 2 Washington coastal gillnet. Catches during other time periods were not included. These catches were adjusted by using GSI data for the ocean troll fishery. Stock composition estimates generated by the PSC model indicate that there are no interceptions of Canadian fish in Washington coastal net fisheries.

3.0 Transboundary

Results from CWT studies conducted by ADF&G on Taku River chinook can be used to estimate exploitation rates on this stock. For the 1980 to 1985 return years (1974 to 1979 brood years), the estimated exploitation rate ranged from 9% to 32% (Table 8). Contributions of Taku chinook to S.E. Alaska fisheries for 1986 through 1989 were estimated using two different procedures:

- (1) Expansion of CWT recoveries by unmarked to marked ratios observed at a carcass weir during the period 1980-85 yielded an average contribution of approximately 1% of the total S.E. Alaska chinook catch. During this period, harvests of Taku River origin chinook salmon ranged from 0.1% to 1.6% of the total catch.
- (2) The 1985 estimated exploitation rate was applied to border escapement estimates for the period 1986 through 1989, because this value is believed to be most representative of fishing regimes established by the PSC. This rate is lower than the 1980-1985 average of 20%, but reflects changes in fishing patterns which would reduce impacts on Transboundary stocks (e.g. delay in the start of the summer troll fishery until late June).

The second procedure produced very similar results to the first. The second procedure was used because it reflects annual variations in border escapements of Transboundary stocks.

CWT studies on Stikine River chinook salmon were conducted by ADF&G from 1979 through 1983. Spawning ground recoveries were not sufficient for estimating tagging fractions and it was not possible to estimate either fishery contributions or exploitation rates for this stock.

CWT studies were only recently initiated by CDFO and ADF&G on the Alsek River stock of chinook salmon. Estimates of harvest rates and fishery contributions for this stock will not be available until 1992 at the earliest. Available evidence suggests that exploitation rates on this stock are probably equal to or lower than for the Stikine and Taku stocks.

Because CWT data are not available for the Stikine and Alsek systems, estimated exploitation rates for the Taku stock were used to estimate Alaskan catches of the Taku, Stikine, and Alsek stocks.

Table 8. Estimated Contributions of Taku Chinook To S.E. Alaska Fisheries (Catches, Estimated Contributions, and Escapements In Thousands of Fish) (a).

Fishery	Year										
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	86-89 Avg
Troll Catch	304	249	242	271	236	216	219	242	231	236	
Net Catch	21	19	50	20	32	35	23	17	23	29	
Sport Catch	20	17	19	22	21	24	21	23	23	28	
Tot Alaska Catch	345	285	311	313	289	276	263	283	277	293	
Est Contrib of Taku (1)	4.2	4.4	4.3	0.3	2.1	2.3	2.6	2.8	2.7	2.8	
Taku % of S.E. AK catch	1.2%	1.6%	1.4%	0.1%	0.7%	0.8%	1.0%	1.0%	1.0%	1.0%	1.0%
Est Contrib of Taku (2)								2.5	1.9	2.8	3.2
Taku % of S.E. AK catch								0.9%	0.7%	1.0%	1.1%
U.S. Est of Taku Escapement	13.4	17.9	8.4	3.0	6.3	10.9	12.2	9.0	13.1	15.5	
Can Est of Taku Escapement	15.1	19.6	9.6	4.1	7.8	14.4	15.0	11.5	17.0	18.8	
Can In-river Catch	.225	.159	.054	.156	.294	.326	.275	.127	.555	.895	
Est Explt Rate	23%	19%	32%	9%	22%	15%	15%	15%	15%	15%	

Notes: (a) nearly complete CWT data exist for 1980-85 (at least two age classes represented).
(1) an average proportion of the catch based on CWT studies was used as the single estimate for all years.
(2) the 1985 estimated exploitation rate was used to generate these estimates.

The total Alaskan catch of Taku, Stikine, and Alsek chinook originating in Canadian portions of these river systems was estimated through the following procedure:

- (a) The border escapements for these stocks were computed as the sum of the inriver commercial, test, native food, and sport fishery catches of adults plus the average of U.S. and Canadian estimates of adult escapements.
- (b) The combined border escapement was divided by (1 - the exploitation rate by Alaskan fisheries as determined from CWT recoveries of Taku stocks) to estimate the total ocean abundance of fish originating in Canadian portions of these rivers. For 1980 through 1985, the estimated annual exploitation rates were used. For 1986 through

1989, the 1985 exploitation rate was used because it was assumed to be most representative of PST fishing regimes.

- (c) The difference (b) - (a) represents the estimated Alaskan catch of chinook originating in Canadian portions of these river systems.
- (d) This total catch was distributed among gear types according to the proportion of the total S. E. Alaska catch accounted for by gear (troll, sport, and net).

Note that Alaskan CWT recoveries for the Taku include jacks while the border escapement only includes adults. It was not possible to consistently include jacks in the calculation of border escapement of the Transboundary chinook stocks because: (1) jacks are not included in escapement estimates; (2) jacks are inconsistently reported in the in-river catch.

By computing border escapement in adults, more data could be included in the estimation procedure. This results in an over-estimation of the exploitation rate. If jacks are included in calculations of border escapements, the estimated exploitation rate by Alaskan fisheries would be lower. However, so long as jacks comprise a relatively small proportion of border escapement (or a relatively constant portion of the border escapement), the error in estimation of Alaskan catch of Transboundary stocks is minor since the exploitation rate acts as a scalar applied to border escapements. If the available jack data are used to estimate the border escapement (1983 to 1985 only), estimates of interceptions are nearly identical to the values computed using border escapement of adults only.

A small portion of Taku, Stikine, and Alsek chinook originate in U.S. portions of these river systems. This proportion is believed to be negligible; therefore, all production of these stocks were attributed to Canadian portions of the rivers.

Other Transboundary stocks (Chilkat, Unuk, and Chickamin) are represented by the Alaska stock included in the model. However, only a small proportion of the production from these systems is attributed to Canada. We assumed that 20% of the Chilkat, 5% of the Unuk, and 0% of the Chickamin chinook production originates in Canadian portions of these rivers. Based on the terminal run size information used to calibrate the chinook model (1981-85 average), Canadian production comprised approximately 3% of the S.E. Alaska stock complex. The proportion of the S.E. Alaska catch comprised of the S.E. Alaskan stock is small. Production from the Canadian portions of the Chilkat, Unuk, and Chickamin Rivers was considered negligible and was, therefore, attributed to U.S. portions of these rivers.

4.0 References

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APPENDIX A. Recalibration

1. Alaska Sport Adjustments

CWT recovery data for S.E. Alaska sport fishery during the 1979 - 1982 base period are of poor quality due to very limited sampling programs. The sport fishery sampling program expanded substantially from 1983 to 1986, resulting in more reliable estimates in recent years. To estimate CWT recoveries for this fishery, the Analytical Work Group (AWG) instituted the following procedure:

- a. Prior to 1986, for each year, stock, and age stratum, CWT recoveries for the sport fishery were estimated under the assumption that they would be directly proportional to troll fishery recoveries.

By quadrant (North Outside, North Inside, South Outside, South Inside), CWT recoveries (R_{tq}) for the S.E. Alaska troll fishery were multiplied by the ratio of sport fishery catch estimates (S_q) to troll fishery catch (C_q):

$$R_{sq} = R_{tq} * \frac{S_q}{C_q}$$

where R_{sq} = estimated CWT sport recoveries by quadrant.

The total estimated CWT recoveries for the sport fishery were computed as the rounded (to nearest whole number) sum of estimates for individual quadrants.

- b. Prior to 1983, for ages 3 or less, the CWT recoveries estimated for the Alaska sport fishery from sport sampling were used if they exceeded the estimate derived from step (a). This procedure was used because there was no size limit in the sport fishery during some time periods in 1980 through 1982 and because of suspected differences in sport and troll gear selectivity.

From 1983 through 1985, sport fisheries were allowed to retain ad-clipped fish of any size (when a sublegal ad-clipped fish was sampled, it was expanded by the catch/sample ratio, on the assumption that it represented similar fish kept in the unsampled population), but could not retain fish without ad-clips which were below a minimum size limit. In addition, the sport fishery sampling program was incomplete. Therefore, for this time period, the recoveries were estimated using the procedure described in step (a).

- c. The sport fishery catch sampling program was fully implemented in 1986. Beginning in 1986, CWT recoveries for the sport fishery were estimated by using ADF&G Catch/Sample database expansions whenever available. Where the catch sampling expansions were not available in the ADF&G CWT database, the random recoveries were multiplied by 4. This is the standard expansion factor for sport fishery recoveries used by the Committee when catch sampling expansions are unknown.

CWT recoveries estimated for the Alaska Sport fishery derived through the above procedure are compared with previous estimates used for model calibration in Table A-1. Resulting estimates of model catch composition for the Alaska Sport fishery are compared in Table A-2. The CWT adjustment procedure distributes the catch among the stocks believed to be impacted and increases the magnitude of the modeled catch (Table A-3).

Table A-1. Estimated CWT Recoveries for the 1979-81 S.E. Alaska Sport Fishery Before and After Adjustment Based On Alaska Troll Recoveries.

ESTIMATED CWT RECOVERIES

Before

After

STOCK	Ocean Age 2	Ocean Age 3	Ocean Age 4	Ocean Age 5	Ocean Age 2	Ocean Age 3	Ocean Age 4	Ocean Age 5
Alaska	60	252	704	383	30	739	959	298
North/Central B.C.	4	21	4	0	184	81	54	9
Fraser Early	0	0	0	0	0	2	0	0
Fraser Late	0	0	0	0	0	0	1	0
WCVI Hatchery	0	0	0	0	0	48	133	19
Upper Georgia Strait	0	4	20	14	0	5	48	24
Lower Georgia Strait	0	0	4	0	0	3	9	1
Nooksack Fall	0	0	0	0	0	2	2	0
Puget Sound Fingerling	0	0	0	0	0	0	4	0
Puget Sound Yearling	0	0	0	0	0	0	4	1
Nooksack Spring	0	0	0	0	0	0	0	0
Skagit	0	0	0	0	0	3	4	0
Stillaguamish	0	0	0	0	0	0	8	0
Snohomish	0	0	0	0	0	3	4	0
Washington Coastal Fall	4	4	0	0	4	5	6	2
Columbia River Upriver Bright	0	0	0	0	0	6	35	5
Spring Creek	0	0	0	0	0	0	0	0
Bonneville	0	0	0	0	0	0	0	0
Cowlitz Fall	0	0	0	0	0	0	5	0
Lewis River	0	0	0	0	0	0	6	2
Willamette Spring	0	19	4	0	0	49	1	0
Cowlitz Spring	0	0	0	0	0	2	0	0
Columbia River Summer	0	0	0	0	0	0	6	0
Oregon Coastal	0	0	0	0	0	0	16	1

Table A-2. Comparison of 1979-82 Estimated Stock Compositions for S.E. Alaska Sport Catch Before and After Adjustment of CWT Recovery Data Based on Alaskan Troll Recoveries.

STOCK	Before	After
Alaska	15.0%	4.6%
North/Central B.C.	26.4%	15.8%
WCVI Hatchery & Natural	-	24.4%
Upper Georgia Strait	36.8%	14.8%
Lower Georgia Strait	3.0%	1.9%
Fraser Early	-	1.3%
Fraser Late	-	0.5%
Puget Sound	-	3.8%
Washington Coastal Fall	10.8%	5.4%
Lewis River	-	1.1%
Cowlitz Spring	-	0.4%
Cowlitz Fall	0.05%	1.9%
Upriver Bright	-	10.4%
Willamette Spring	7.9%	1.8%
Columbia River Summer	-	5.3%
Oregon Coastal	-	6.5%

Table A-3. Comparison of Alaska Sport Catches Generated By the Chinook Model For Stocks In the Model Before and After Adjustments for CWT Recoveries Based Upon Alaskan Troll CWT Recoveries, and Reported Total Sport Catch.

YEAR	Before Adjustment	After Adjustment	Reported Sport Catch
1979	2,214	11,785	16,581
1980	2,239	11,548	20,213
1981	2,075	10,962	16,610
1982	2,266	11,726	19,052
1983	2,925	14,076	21,714
1984	3,240	14,364	21,483
1985	2,563	12,758	24,107
1986	2,102	10,461	21,125
1987	2,228	11,089	23,322
1988	2,272	11,311	23,100
1989	2,749	13,686	28,000

2. Updates to Abundance Projections and Catch Data

The most currently available estimates for catch and 1990 abundance projections were employed in the calibration. Updates from previous model calibrations included revised catch statistics and forecasts (for Columbia River stocks and a terminal run forecast for the Fraser Late (Harrison) stock of 120,000).

3. Other Changes

Due to updates to the CWT recovery data (i.e. Alaska sport recoveries), stock productivity parameters for hatchery stocks were re-estimated, but changes were very minor.

APPENDIX B. DATABASE LISTING FOR CHINOOK SALMON INTERCEPTION ESTIMATES

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes	
						Adjusted			-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---				
						Catch	Est.	Est.	U.S.	Candn	Est.	Est.	Diff	U.S.	Candn	
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	t
80	AK	S.E.	TR	CHIN	303873	289965	0.502	0.502	145562	145562	0	A				a
80	AK	S.E.	CN	CHIN	21088	19120	0.747	0.747	14283	14283	0	A				a
80	AK	S.E.	SP	CHIN	20213	18394	0.590	0.590	10852	10852	0	A	170697	170697	0	a
80	AK	S.E.	AL	CHIN	345174	10696	1.000	1.000	10696	10696	0	B1	10696	10696	0	b
81	AK	S.E.	TR	CHIN	249065	237859	0.515	0.515	122497	122497	0	A				a
81	AK	S.E.	CN	CHIN	18917	17787	0.786	0.786	13981	13981	0	A				a
81	AK	S.E.	SP	CHIN	16610	15607	0.609	0.609	9505	9505	0	A	145983	145983	0	a
81	AK	S.E.	AL	CHIN	284592	11338	1.000	1.000	11338	11338	0	B1	11338	11338	0	b
82	AK	S.E.	TR	CHIN	242221	228302	0.499	0.499	113923	113923	0	A				a
82	AK	S.E.	CN	CHIN	49636	46727	0.745	0.745	34812	34812	0	A				a
82	AK	S.E.	SP	CHIN	19052	17858	0.576	0.576	10275	10275	0	A	159010	159010	0	a
82	AK	S.E.	AL	CHIN	310909	17042	1.000	1.000	17042	17042	0	B1	17042	17042	0	b
83	AK	S.E.	TR	CHIN	271192	268762	0.520	0.520	139756	139756	0	A				a
83	AK	S.E.	CN	CHIN	19636	19177	0.757	0.757	14517	14517	0	A				a
83	AK	S.E.	SP	CHIN	21714	21281	0.576	0.576	12258	12258	0	A	166531	166531	0	a
83	AK	S.E.	AL	CHIN	312542	1322	1.000	1.000	1322	1322	0	B1	1322	1322	0	b
84	AK	S.E.	TR	CHIN	235557	227602	0.557	0.557	126774	126774	0	A				a
84	AK	S.E.	CN	CHIN	32437	30844	0.790	0.790	24367	24367	0	A				a
84	AK	S.E.	SP	CHIN	21483	20198	0.619	0.619	12503	12503	0	A	163644	163644	0	a
84	AK	S.E.	AL	CHIN	289477	5834	1.000	1.000	5834	5834	0	B1	5834	5834	0	b
85	AK	S.E.	TR	CHIN	216224	203924	0.596	0.596	121539	121539	0	A				a
85	AK	S.E.	CN	CHIN	35445	32464	0.794	0.794	25776	25776	0	A				a
85	AK	S.E.	SP	CHIN	24107	21136	0.628	0.628	13273	13273	0	A	160588	160588	0	a
85	AK	S.E.	AL	CHIN	275776	5295	1.000	1.000	5295	5295	0	B1	5295	5295	0	b
86	AK	S.E.	TR	CHIN	218597	203903	0.451	0.451	91960	91960	0	A				a
86	AK	S.E.	CN	CHIN	23296	18633	0.670	0.670	12484	12484	0	A				a
86	AK	S.E.	SP	CHIN	21125	17907	0.541	0.541	9688	9688	0	A	114132	114132	0	a
86	AK	S.E.	AL	CHIN	263018	5813	1.000	1.000	5813	5813	0	B1	5813	5813	0	b
87	AK	S.E.	TR	CHIN	242445	220256	0.279	0.279	61451	61451	0	A				a
87	AK	S.E.	CN	CHIN	17326	12527	0.590	0.590	7391	7391	0	A				a
87	AK	S.E.	SP	CHIN	23322	20484	0.336	0.336	6883	6883	0	A	75725	75725	0	a
87	AK	S.E.	AL	CHIN	283093	6526	1.000	1.000	6526	6526	0	B1	6526	6526	0	b
88	AK	S.E.	TR	CHIN	231268	204529	0.368	0.368	75267	75267	0	A				a
88	AK	S.E.	CN	CHIN	22514	16897	0.661	0.661	11169	11169	0	A				a
88	AK	S.E.	SP	CHIN	23100	15633	0.451	0.451	7050	7050	0	A	93486	93486	0	a
88	AK	S.E.	AL	CHIN	276882	9188	1.000	1.000	9188	9188	0	B1	9188	9188	0	b
89	AK	S.E.	TR	CHIN	235800	211381	0.385	0.385	81382	81382	0	A				a
89	AK	S.E.	CN	CHIN	28733	22674	0.755	0.755	17119	17119	0	A				a
89	AK	S.E.	SP	CHIN	28000	22451	0.491	0.491	11023	11023	0	A	109524	109524	0	a
89	AK	S.E.	AL	CHIN	292533	7927	1.000	1.000	7927	7927	0	B1	7927	7927	0	b
80	BC	1	TR	CHIN	70711	0.586	0.586	0.586	41437	41437	0	D				
80	BC	1	SE	CHIN	6158	0.358	0.358	0.358	2205	2205	0	D				

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
							Catch		U.S.	Candn	U.S.	Candn	Est.	Est.	Diff	CAT	U.S.	Candn	
							f	g	h	i	k	l	m	o	p	q	r	s	
80	BC	1	GN	CHIN	775		0.358	0.358	277	277	0	D							
80	BC	1	SP	CHIN	50		0.272	0.272	14	14	0	D							d
80	BC	2E	TR	CHIN	35414		0.586	0.586	20753	20753	0	D							
80	BC	2E	SE	CHIN	125		0.358	0.358	45	45	0	D							
80	BC	2E	GN	CHIN	37		0.358	0.358	13	13	0	D							
80	BC	2E	SP	CHIN	150		0.272	0.272	41	41	0	D							d
80	BC	2W	TR	CHIN	37426		0.586	0.586	21932	21932	0	D							
80	BC	2W	SE	CHIN	11101		0.358	0.358	3974	3974	0	D							
80	BC	2W	GN	CHIN	268		0.358	0.358	96	96	0	D							
80	BC	3	TR	CHIN	6576		0.586	0.586	3854	3854	0	D							
80	BC	3	SE	CHIN	9218		0.358	0.358	3300	3300	0	D							
80	BC	3	GN	CHIN	2159		0.358	0.358	773	773	0	D							
80	BC	3	SP	CHIN	2312		0.272	0.272	629	629	0	D							d
80	BC	4	TR	CHIN	3434		0.586	0.586	2012	2012	0	D							
80	BC	4	SE	CHIN	403		0.358	0.358	144	144	0	D							
80	BC	4	GN	CHIN	7375	3356	0.358	0.358	1201	1201	0	D							e
80	BC	4	SP	CHIN	1320		0.272	0.272	359	359	0	D							d
80	BC	5	TR	CHIN	10002		0.586	0.586	5861	5861	0	D							
80	BC	5	SE	CHIN	736		0.358	0.358	263	263	0	D							
80	BC	5	GN	CHIN	439		0.358	0.358	157	157	0	D							
80	BC	5	SP	CHIN	235		0.272	0.272	64	64	0	D							d
80	BC	6	TR	CHIN	13938		0.300	0.300	4181	4181	0	D							
80	BC	6	SE	CHIN	13190		0.390	0.390	5144	5144	0	D							
80	BC	6	GN	CHIN	1067		0.390	0.390	416	416	0	D							
80	BC	6	SP	CHIN	10800	3596	0.272	0.272	978	978	0	D							f
80	BC	7	TR	CHIN	26340		0.300	0.300	7902	7902	0	D							
80	BC	7	SE	CHIN	11587		0.390	0.390	4519	4519	0	D							
80	BC	7	GN	CHIN	2957		0.390	0.390	1153	1153	0	D							
80	BC	7	SP	CHIN	700		0.272	0.272	190	190	0	D							d
80	BC	8	TR	CHIN	7226		0.300	0.300	2168	2168	0	D							
80	BC	8	SE	CHIN	13645		0.390	0.390	5322	5322	0	D							
80	BC	8	GN	CHIN	7191	2184	0.390	0.390	852	852	0	D							e
80	BC	8	SP	CHIN	2200		0.272	0.272	598	598	0	D							d
80	BC	9	TR	CHIN	3869		0.300	0.300	1161	1161	0	D							
80	BC	9	GN	CHIN	580		0.390	0.390	226	226	0	D							
80	BC	9	SP	CHIN	1852		0.272	0.272	504	504	0	D							
80	BC	10	TR	CHIN	5496		0.300	0.300	1649	1649	0	D							
80	BC	10	GN	CHIN	791		0.390	0.390	308	308	0	D							
80	BC	10	SP	CHIN	50		0.272	0.272	14	14	0	D							
80	BC	11	TR	CHIN	27034		0.300	0.300	8110	8110	0	D							
80	BC	11	SE	CHIN	19		0.199	0.199	4	4	0	D							
80	BC	11	GN	CHIN	720		0.199	0.199	143	143	0	D							

APPENDIX B. Chinook Interception Estimates

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR a	Ju b	Area c	Gear d	Spec e	Catch f	Adjusted g	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND -- -- FOR OTHER COUNTRY --			----- INTERCEPTION ----- --- CATEGORY SUMMARY ---			Notes t	
							U.S. Est. h	Candn Est. i	U.S. Est. k	Candn Est. l	Diff m	CAT o	U.S. Est. p	Candn Est. q	Diff r	
80 BC 12	TR	CHIN			11777		0.300	0.300	3533	3533	0	D				
80 BC 12	SE	CHIN			26409		0.199	0.199	5255	5255	0	D				
80 BC 12	GN	CHIN			4215		0.199	0.199	839	839	0	D				
80 BC 13	TR	CHIN			70908		0.129	0.129	9147	9147	0	D				
80 BC 13	SE	CHIN			11194		0.199	0.199	2228	2228	0	D				
80 BC 13	GN	CHIN			1185		0.199	0.199	236	236	0	D				
80 BC 13	SP	CHIN			44716		0.286	0.286	12789	12789	0	D				
80 BC 14	TR	CHIN			69333		0.129	0.129	8944	8944	0	D				
80 BC 14	SE	CHIN			77		0.199	0.199	15	15	0	D				
80 BC 14	GN	CHIN			365		0.199	0.199	73	73	0	D				
80 BC 14	SP	CHIN			45080		0.286	0.286	12893	12893	0	D				
80 BC 15	TR	CHIN			19210		0.129	0.129	2478	2478	0	D				
80 BC 15	GN	CHIN			115		0.199	0.199	23	23	0	D				
80 BC 15	SP	CHIN			6907		0.286	0.286	1975	1975	0	D				
80 BC 16	TR	CHIN			14395		0.129	0.129	1857	1857	0	D				
80 BC 16	SE	CHIN			3683		0.199	0.199	733	733	0	D				
80 BC 16	GN	CHIN			316		0.199	0.199	63	63	0	D				
80 BC 16	SP	CHIN			34719		0.286	0.286	9930	9930	0	D				
80 BC 17	TR	CHIN			92124		0.129	0.129	11884	11884	0	D				
80 BC 17	SE	CHIN			13		0.199	0.199	3	3	0	D				
80 BC 17	GN	CHIN			309		0.199	0.199	61	61	0	D				
80 BC 17	SP	CHIN			65802		0.286	0.286	18819	18819	0	D				
80 BC 18	TR	CHIN			6812		0.129	0.129	879	879	0	D				
80 BC 18	SE	CHIN			243		0.199	0.199	48	48	0	D				
80 BC 18	GN	CHIN			18		0.199	0.199	4	4	0	D				
80 BC 18	SP	CHIN			34355		0.286	0.286	9826	9826	0	D				
80 BC 19	SP	CHIN			39445		0.286	0.286	11281	11281	0	D				
80 BC 20	TR	CHIN			469		0.627	0.627	294	294	0	D				
80 BC 20	SE	CHIN			4191		0.678	0.678	2841	2841	0	D				
80 BC 20	GN	CHIN			3692		0.678	0.678	2503	2503	0	D				
80 BC 20	SP	CHIN			68892		0.286	0.286	19703	19703	0	D				
80 BC 21	TR	CHIN			36768		0.627	0.627	23054	23054	0	D				
80 BC 22	TR	CHIN			85		0.627	0.627	53	53	0	D				
80 BC 22	SE	CHIN			48		0.820	0.820	39	39	0	D				
80 BC 22	GN	CHIN			9		0.820	0.820	7	7	0	D				
80 BC 23	TR	CHIN			284829		0.627	0.627	178588	178588	0	D				
80 BC 23	SE	CHIN			21252		0.820	0.820	17427	17427	0	D				
80 BC 23	GN	CHIN			36609	7715	0.820	0.820	6326	6326	0	D				
80 BC 24	TR	CHIN			70922		0.627	0.627	44468	44468	0	D				
80 BC 24	SE	CHIN			172		0.820	0.820	141	141	0	D				
80 BC 24	GN	CHIN			120		0.820	0.820	98	98	0	D				
80 BC 25	TR	CHIN			27759		0.627	0.627	17405	17405	0	D				

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
									-- FOR OTHER COUNTRY --			U.S. Candn			U.S. Candn				
							Est.	Est.	Est.	Est.	Diff	CAT	Est.	Est.	Diff	o	p	q	r
80	BC	25	SE	CHIN	246		0.820	0.820	202	202	0	D							
80	BC	25	GN	CHIN	36		0.820	0.820	30	30	0	D							
80	BC	26	TR	CHIN	27028		0.627	0.627	16947	16947	0	D							
80	BC	26	SE	CHIN	509		0.820	0.820	417	417	0	D							
80	BC	26	GN	CHIN	37		0.820	0.820	30	30	0	D							
80	BC	27	TR	CHIN	40849		0.627	0.627	25612	25612	0	D							
80	BC	27	GN	CHIN	7		0.820	0.820	6	6	0	D							
80	BC	28	GN	CHIN	31		0.199	0.199	6	6	0	D							
80	BC	28	SP	CHIN	14542		0.286	0.286	4159	4159	0	D							
80	BC	29	TR	CHIN	340		0.129	0.129	44	44	0	D							
80	BC	29	GN	CHIN	40061		0.010	0.010	401	401	0	D							
80	BC	29	SP	CHIN	16541		0.286	0.286	4731	4731	0	D							
80	BC	30	TR	CHIN	2209		0.300	0.300	663	663	0	D							
80	BC	C	TR	CHIN	76		0.627	0.627	48	48	0	D	647005	647005	0				
80	BC	Taku	AL	CHIN	225		1.000	1.000	225	225	0	B2				c			
80	BC	Stikine	AL	CHIN	2231		1.000	1.000	2231	2231	0	B2				c			
80	BC	Alsek	AL	CHIN	350		1.000	1.000	350	350	0	B2	2806	2806	0	c			
81	BC	1	TR	CHIN	70100		0.596	0.596	41780	41780	0	D							
81	BC	1	SE	CHIN	13356		0.375	0.375	5009	5009	0	D							
81	BC	1	GN	CHIN	748		0.375	0.375	281	281	0	D							
81	BC	1	SP	CHIN	50		0.278	0.278	14	14	0	D				d			
81	BC	2E	TR	CHIN	31512		0.596	0.596	18781	18781	0	D							
81	BC	2E	SE	CHIN	4		0.375	0.375	2	2	0	D							
81	BC	2E	GN	CHIN	1		0.375	0.375	0	0	0	D							
81	BC	2E	SP	CHIN	134		0.278	0.278	37	37	0	D				d			
81	BC	2W	TR	CHIN	35920		0.596	0.596	21408	21408	0	D							
81	BC	2W	SE	CHIN	8814		0.375	0.375	3305	3305	0	D							
81	BC	2W	GN	CHIN	26		0.375	0.375	10	10	0	D							
81	BC	3	TR	CHIN	6505		0.596	0.596	3877	3877	0	D							
81	BC	3	SE	CHIN	7398		0.375	0.375	2774	2774	0	D							
81	BC	3	GN	CHIN	4385		0.375	0.375	1644	1644	0	D							
81	BC	3	SP	CHIN	550		0.278	0.278	153	153	0	D				d			
81	BC	4	TR	CHIN	3930		0.596	0.596	2342	2342	0	D							
81	BC	4	SE	CHIN	5123		0.375	0.375	1921	1921	0	D							
81	BC	4	GN	CHIN	18131	8249	0.375	0.375	3093	3093	0	D				e			
81	BC	4	SP	CHIN	1950		0.278	0.278	542	542	0	D				d			
81	BC	5	TR	CHIN	3764		0.596	0.596	2243	2243	0	D							
81	BC	5	SE	CHIN	423		0.375	0.375	159	159	0	D							
81	BC	5	GN	CHIN	312		0.375	0.375	117	117	0	D							
81	BC	5	SP	CHIN	260		0.278	0.278	72	72	0	D				d			
81	BC	6	TR	CHIN	9863		0.301	0.301	2969	2969	0	D							
81	BC	6	SE	CHIN	6674		0.410	0.410	2736	2736	0	D							

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
									-- FOR OTHER COUNTRY --			U.S. Candn			U.S. Candn				
							Est.	Est.	Est.	Diff	CAT	Est.	Est.	Diff	o	p	q	r	
81	BC	6	GN	CHIN	579		0.410	0.410		237	237	0	D						
81	BC	6	SP	CHIN	4991	1662	0.278	0.278		462	462	0	D						f
81	BC	7	TR	CHIN	18476		0.301	0.301		5561	5561	0	D						
81	BC	7	SE	CHIN	10226		0.410	0.410		4193	4193	0	D						
81	BC	7	GN	CHIN	763		0.410	0.410		313	313	0	D						
81	BC	7	SP	CHIN	200		0.278	0.278		56	56	0	D						d
81	BC	8	TR	CHIN	6002		0.301	0.301		1807	1807	0	D						
81	BC	8	SE	CHIN	7215		0.410	0.410		2958	2958	0	D						
81	BC	8	GN	CHIN	5564	1079	0.410	0.410		442	442	0	D						e
81	BC	8	SP	CHIN	1716		0.278	0.278		477	477	0	D						d
81	BC	9	TR	CHIN	2110		0.301	0.301		635	635	0	D						
81	BC	9	GN	CHIN	461		0.410	0.410		189	189	0	D						
81	BC	9	SP	CHIN	1524		0.278	0.278		424	424	0	D						d
81	BC	10	TR	CHIN	3301		0.301	0.301		994	994	0	D						
81	BC	10	GN	CHIN	766		0.410	0.410		314	314	0	D						
81	BC	10	SP	CHIN	50		0.278	0.278		14	14	0	D						d
81	BC	11	TR	CHIN	25990		0.301	0.301		7823	7823	0	D						
81	BC	11	SE	CHIN	50		0.203	0.203		10	10	0	D						
81	BC	11	GN	CHIN	373		0.203	0.203		76	76	0	D						
81	BC	12	TR	CHIN	12702		0.301	0.301		3823	3823	0	D						
81	BC	12	SE	CHIN	23792		0.203	0.203		4830	4830	0	D						
81	BC	12	GN	CHIN	3693		0.203	0.203		750	750	0	D						
81	BC	13	TR	CHIN	55660		0.133	0.133		7403	7403	0	D						
81	BC	13	SE	CHIN	13476		0.203	0.203		2736	2736	0	D						
81	BC	13	GN	CHIN	811		0.203	0.203		165	165	0	D						
81	BC	13	SP	CHIN	47081		0.278	0.278		13089	13089	0	D						g
81	BC	14	TR	CHIN	72905		0.133	0.133		9696	9696	0	D						
81	BC	14	GN	CHIN	393		0.203	0.203		80	80	0	D						
81	BC	14	SP	CHIN	28081		0.278	0.278		7807	7807	0	D						g
81	BC	15	TR	CHIN	12898		0.133	0.133		1715	1715	0	D						
81	BC	15	SP	CHIN	3864		0.278	0.278		1074	1074	0	D						g
81	BC	16	TR	CHIN	4918		0.133	0.133		654	654	0	D						
81	BC	16	SE	CHIN	5979		0.203	0.203		1214	1214	0	D						
81	BC	16	GN	CHIN	564		0.203	0.203		114	114	0	D						
81	BC	16	SP	CHIN	21273		0.278	0.278		5914	5914	0	D						g
81	BC	17	TR	CHIN	78963		0.133	0.133		10502	10502	0	D						
81	BC	17	SE	CHIN	24		0.203	0.203		5	5	0	D						
81	BC	17	GN	CHIN	188		0.203	0.203		38	38	0	D						
81	BC	17	SP	CHIN	42789		0.278	0.278		11895	11895	0	D						g
81	BC	18	TR	CHIN	11567		0.133	0.133		1538	1538	0	D						
81	BC	18	GN	CHIN	50		0.203	0.203		10	10	0	D						
81	BC	18	SP	CHIN	19637		0.278	0.278		5459	5459	0	D						g

APPENDIX B. Chinook Interception Estimates

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
							Catch	g	U.S.	Candn	Est.	Est.	Diff	CAT	U.S.	Candn	Est.	Est.	
a	b	c	d	e	f	h	i	k	l	m	o	p	q	r	t				
81 BC 19		GN	CHIN		3		0.133	0.133		0	0	0	D						
81 BC 19		SP	CHIN		20203		0.278	0.278	5616	5616	0	0	D						
81 BC 20		TR	CHIN		617		0.645	0.645	398	398	0	0	D						
81 BC 20		SE	CHIN		23392		0.718	0.718	16795	16795	0	0	D						
81 BC 20		GN	CHIN		5853		0.718	0.718	4202	4202	0	0	D						
81 BC 20		SP	CHIN		38311		0.278	0.278	10650	10650	0	0	D						
81 BC 21		TR	CHIN		28508		0.645	0.645	18388	18388	0	0	D						
81 BC 22		GN	CHIN		3		0.829	0.829		2	2	0	D						
81 BC 23		TR	CHIN		233392		0.645	0.645	150538	150538	0	0	D						
81 BC 23		SE	CHIN		28716		0.829	0.829	23806	23806	0	0	D						
81 BC 23		GN	CHIN		43521	17529	0.829	0.829	14532	14532	0	0	D						e
81 BC 24		TR	CHIN		53865		0.645	0.645	34743	34743	0	0	D						
81 BC 24		SE	CHIN		245		0.829	0.829	203	203	0	0	D						
81 BC 24		GN	CHIN		8		0.829	0.829		7	7	0	D						
81 BC 25		TR	CHIN		26934		0.645	0.645	17372	17372	0	0	D						
81 BC 25		SE	CHIN		317		0.829	0.829	263	263	0	0	D						
81 BC 25		GN	CHIN		42		0.829	0.829		35	35	0	D						
81 BC 26		TR	CHIN		15795		0.645	0.645	10188	10188	0	0	D						
81 BC 26		SE	CHIN		14		0.829	0.829		12	12	0	D						
81 BC 26		GN	CHIN		7		0.829	0.829		6	6	0	D						
81 BC 27		TR	CHIN		39024		0.645	0.645	25170	25170	0	0	D						
81 BC 27		GN	CHIN		13		0.829	0.829		11	11	0	D						
81 BC 28		SP	CHIN		14324		0.278	0.278	3982	3982	0	0	D						
81 BC 29		TR	CHIN		1965		0.133	0.133	261	261	0	0	D						
81 BC 29		GN	CHIN		22447		0.006	0.006		135	135	0	D						
81 BC 29		SP	CHIN		17735		0.278	0.278	4930	4930	0	0	D						
81 BC 30		TR	CHIN		1226		0.301	0.301		369	369	0	D	575379	575379	0			
81 BC Taku		AL	CHIN		159		1.000	1.000		159	159	0	B2						c
81 BC Stikine		AL	CHIN		1558		1.000	1.000	1558	1558	0	0	B2						c
81 BC Alsek		AL	CHIN		465		1.000	1.000		465	465	0	B2	2182	2182	0			c
82 BC 1		TR	CHIN		88192		0.595	0.595	52474	52474	0	0	D						
82 BC 1		SE	CHIN		9117		0.350	0.350	3191	3191	0	0	D						
82 BC 1		GN	CHIN		21		0.350	0.350		7	7	0	D						
82 BC 2E		TR	CHIN		24467		0.595	0.595	14558	14558	0	0	D						
82 BC 2E		SE	CHIN		2		0.350	0.350		1	1	0	D						
82 BC 2E		GN	CHIN		1		0.350	0.350		0	0	0	D						
82 BC 2E		SP	CHIN		215		0.237	0.237		51	51	0	D						d
82 BC 2W		TR	CHIN		39199		0.595	0.595	23323	23323	0	0	D						
82 BC 2W		SE	CHIN		4243		0.350	0.350		1485	1485	0	D						
82 BC 2W		GN	CHIN		1		0.350	0.350		0	0	0	D						
82 BC 3		TR	CHIN		8804		0.595	0.595	5238	5238	0	0	D						
82 BC 3		SE	CHIN		28515		0.350	0.350	9980	9980	0	0	D						

APPENDIX B. Chinook Interception Estimates

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes			
									-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---						
							U.S.	Candn	Est.	Est.	Diff	CAT	U.S.	Candn	Est.	Est.	Diff	
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	s	t	
82	BC	3	GN	CHIN	11144		0.350	0.350	3900	3900	0	D						
82	BC	3	SP	CHIN	1360		0.237	0.237	322	322	0	D						d
82	BC	4	TR	CHIN	8636		0.595	0.595	5138	5138	0	D						
82	BC	4	SE	CHIN	11869		0.350	0.350	4154	4154	0	D						
82	BC	4	GN	CHIN	14307	6509	0.350	0.350	2278	2278	0	D						e
82	BC	4	SP	CHIN	2000		0.237	0.237	474	474	0	D						d
82	BC	5	TR	CHIN	4849		0.595	0.595	2885	2885	0	D						
82	BC	5	SE	CHIN	1965		0.350	0.350	688	688	0	D						
82	BC	5	GN	CHIN	440		0.350	0.350	154	154	0	D						
82	BC	5	SP	CHIN	400		0.237	0.237	95	95	0	D						d
82	BC	6	TR	CHIN	12834		0.295	0.295	3786	3786	0	D						
82	BC	6	SE	CHIN	16028		0.398	0.398	6379	6379	0	D						
82	BC	6	GN	CHIN	505		0.398	0.398	201	201	0	D						
82	BC	6	SP	CHIN	7880	2624	0.237	0.237	622	622	0	D						f
82	BC	7	TR	CHIN	22974		0.295	0.295	6777	6777	0	D						
82	BC	7	SE	CHIN	18614		0.398	0.398	7408	7408	0	D						
82	BC	7	GN	CHIN	1552		0.398	0.398	618	618	0	D						
82	BC	7	SP	CHIN	400		0.237	0.237	95	95	0	D						d
82	BC	8	TR	CHIN	2930		0.295	0.295	864	864	0	D						
82	BC	8	SE	CHIN	3254		0.398	0.398	1295	1295	0	D						
82	BC	8	GN	CHIN	6271	90	0.398	0.398	36	36	0	D						e
82	BC	8	SP	CHIN	3271		0.237	0.237	775	775	0	D						d
82	BC	9	TR	CHIN	3416		0.295	0.295	1008	1008	0	D						
82	BC	9	GN	CHIN	504		0.398	0.398	201	201	0	D						
82	BC	9	SP	CHIN	1698		0.237	0.237	402	402	0	D						d
82	BC	10	TR	CHIN	2955		0.295	0.295	872	872	0	D						
82	BC	10	GN	CHIN	4327		0.398	0.398	1722	1722	0	D						
82	BC	10	SP	CHIN	50		0.237	0.237	12	12	0	D						d
82	BC	11	TR	CHIN	17566		0.295	0.295	5182	5182	0	D						
82	BC	11	GN	CHIN	719		0.177	0.177	127	127	0	D						
82	BC	12	TR	CHIN	11342		0.295	0.295	3346	3346	0	D						
82	BC	12	SE	CHIN	24245		0.177	0.177	4291	4291	0	D						
82	BC	12	GN	CHIN	3973		0.177	0.177	703	703	0	D						
82	BC	13	TR	CHIN	46335		0.107	0.107	4958	4958	0	D						
82	BC	13	SE	CHIN	8538		0.177	0.177	1511	1511	0	D						
82	BC	13	GN	CHIN	2290		0.177	0.177	405	405	0	D						
82	BC	13	SP	CHIN	22436		0.290	0.290	6506	6506	0	D						g
82	BC	14	TR	CHIN	50096		0.107	0.107	5360	5360	0	D						
82	BC	14	SE	CHIN	46		0.177	0.177	8	8	0	D						
82	BC	14	GN	CHIN	235		0.177	0.177	42	42	0	D						
82	BC	14	SP	CHIN	17771		0.290	0.290	5154	5154	0	D						g
82	BC	15	TR	CHIN	6428		0.107	0.107	688	688	0	D						

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND -			----- INTERCEPTION -----			Notes	
							U.S. Candn			-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---				
							Est.	Candn	Diff	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	
82	BC	15	SP	CHIN	2183		0.290	0.290		633	633	0	D				g
82	BC	16	TR	CHIN	1951		0.107	0.107		209	209	0	D				
82	BC	16	SE	CHIN	2411		0.177	0.177		427	427	0	D				
82	BC	16	GN	CHIN	229		0.177	0.177		41	41	0	D				
82	BC	16	SP	CHIN	10478		0.290	0.290		3039	3039	0	D				
82	BC	17	TR	CHIN	62522		0.107	0.107		6690	6690	0	D				g
82	BC	17	SE	CHIN	41		0.177	0.177		7	7	0	D				
82	BC	17	GN	CHIN	353		0.177	0.177		62	62	0	D				
82	BC	17	SP	CHIN	23072		0.290	0.290		6691	6691	0	D				g
82	BC	18	TR	CHIN	9447		0.107	0.107		1011	1011	0	D				
82	BC	18	GN	CHIN	54		0.177	0.177		10	10	0	D				
82	BC	18	SP	CHIN	16593		0.290	0.290		4812	4812	0	D				g
82	BC	19	GN	CHIN	25		0.107	0.107		3	3	0	D				
82	BC	19	SP	CHIN	15899		0.290	0.290		4611	4611	0	D				g
82	BC	20	TR	CHIN	208		0.711	0.711		148	148	0	D				
82	BC	20	SE	CHIN	12616		0.635	0.635		8011	8011	0	D				
82	BC	20	GN	CHIN	4345		0.635	0.635		2759	2759	0	D				
82	BC	20	SP	CHIN	40354		0.290	0.290		11703	11703	0	D				g
82	BC	21	TR	CHIN	37123		0.711	0.711		26394	26394	0	D				
82	BC	21	GN	CHIN	9		0.801	0.801		7	7	0	D				
82	BC	23	TR	CHIN	311548		0.711	0.711		221511	221511	0	D				
82	BC	23	SE	CHIN	693		0.801	0.801		555	555	0	D				
82	BC	23	GN	CHIN	43368	3577	0.801	0.801		2865	2865	0	D				e
82	BC	24	TR	CHIN	88787		0.711	0.711		63128	63128	0	D				
82	BC	24	SE	CHIN	35		0.801	0.801		28	28	0	D				
82	BC	24	GN	CHIN	2		0.801	0.801		2	2	0	D				
82	BC	25	TR	CHIN	31156		0.711	0.711		22152	22152	0	D				
82	BC	25	SE	CHIN	393		0.801	0.801		315	315	0	D				
82	BC	25	GN	CHIN	221		0.801	0.801		177	177	0	D				
82	BC	26	TR	CHIN	17156		0.711	0.711		12198	12198	0	D				
82	BC	26	SE	CHIN	347		0.801	0.801		278	278	0	D				
82	BC	26	GN	CHIN	40		0.801	0.801		32	32	0	D				
82	BC	27	TR	CHIN	58013		0.711	0.711		41247	41247	0	D				
82	BC	28	SP	CHIN	9581		0.290	0.290		2778	2778	0	D				g
82	BC	29	TR	CHIN	1719		0.107	0.107		184	184	0	D				
82	BC	29	GN	CHIN	23792		0.010	0.010		238	238	0	D				
82	BC	29	SP	CHIN	5426		0.290	0.290		1574	1574	0	D				g
82	BC	30	TR	CHIN	714		0.295	0.295		211	211	0	D	648491	648491	0	
82	BC Taku	AL	CHIN	54	1.000	1.000				54	54	0	B2				c
82	BC Stikine	AL	CHIN	2387	1.000	1.000				2387	2387	0	B2				c
82	BC Alsek	AL	CHIN	624	1.000	1.000				624	624	0	B2	3065	3065	0	c
83	BC 1	TR	CHIN	97213	0.560	0.560				54439	54439	0	D				

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
							U.S. Candn			-- FOR OTHER COUNTRY --			U.S. Candn			U.S. Candn				
							Est.	Est.	Diff	Est.	Est.	Diff	Est.	Est.	Diff	Est.	Est.	Diff		
a	b	c	d	e	f	g	h	i		k	l	m	o	p	q	r	s	t		
83	BC	1	SE	CHIN	2431		0.430	0.430		1045	1045	0	D							
83	BC	1	GN	CHIN	27		0.430	0.430		12	12	0	D							
83	BC	2E	TR	CHIN	19301		0.560	0.560		10809	10809	0	D							
83	BC	2E	SP	CHIN	90		0.221	0.221		20	20	0	D							
83	BC	2W	TR	CHIN	14681		0.560	0.560		8221	8221	0	D							
83	BC	2W	SE	CHIN	3705		0.430	0.430		1593	1593	0	D							
83	BC	2W	GN	CHIN	3		0.430	0.430		1	1	0	D							
83	BC	3	TR	CHIN	13026		0.560	0.560		7295	7295	0	D							
83	BC	3	SE	CHIN	14598		0.430	0.430		6277	6277	0	D							
83	BC	3	GN	CHIN	1655		0.430	0.430		712	712	0	D							
83	BC	3	SP	CHIN	1375		0.221	0.221		304	304	0	D							
83	BC	4	TR	CHIN	11234		0.560	0.560		6291	6291	0	D							
83	BC	4	GN	CHIN	3653	1661	0.430	0.430		714	714	0	D							
83	BC	4	SP	CHIN	2517		0.221	0.221		556	556	0	D							
83	BC	5	TR	CHIN	7600		0.560	0.560		4256	4256	0	D							
83	BC	5	SE	CHIN	289		0.430	0.430		124	124	0	D							
83	BC	5	GN	CHIN	263		0.430	0.430		113	113	0	D							
83	BC	5	SP	CHIN	200		0.221	0.221		44	44	0	D							
83	BC	6	TR	CHIN	15264		0.304	0.304		4640	4640	0	D							
83	BC	6	SE	CHIN	11171		0.425	0.425		4748	4748	0	D							
83	BC	6	GN	CHIN	400		0.425	0.425		170	170	0	D							
83	BC	6	SP	CHIN	3900	1299	0.221	0.221		287	287	0	D						f	
83	BC	7	TR	CHIN	16392		0.304	0.304		4983	4983	0	D							
83	BC	7	SE	CHIN	2718		0.425	0.425		1155	1155	0	D							
83	BC	7	GN	CHIN	177		0.425	0.425		75	75	0	D							
83	BC	7	SP	CHIN	600		0.221	0.221		133	133	0	D							
83	BC	8	TR	CHIN	4883		0.304	0.304		1484	1484	0	D							
83	BC	8	SE	CHIN	12703		0.425	0.425		5399	5399	0	D							
83	BC	8	GN	CHIN	3557	1758	0.425	0.425		747	747	0	D						e d	
83	BC	8	SP	CHIN	2328		0.221	0.221		514	514	0	D							
83	BC	9	TR	CHIN	1514		0.304	0.304		460	460	0	D							
83	BC	9	GN	CHIN	805		0.425	0.425		342	342	0	D							
83	BC	9	SP	CHIN	1218		0.221	0.221		269	269	0	D							
83	BC	10	TR	CHIN	8559		0.304	0.304		2602	2602	0	D							
83	BC	10	GN	CHIN	1609		0.425	0.425		684	684	0	D							
83	BC	10	SP	CHIN	125		0.221	0.221		28	28	0	D							
83	BC	11	TR	CHIN	39851		0.304	0.304		12115	12115	0	D							
83	BC	11	GN	CHIN	464		0.209	0.209		97	97	0	D							
83	BC	12	TR	CHIN	14936		0.304	0.304		4541	4541	0	D							
83	BC	12	SE	CHIN	33617		0.209	0.209		7026	7026	0	D							
83	BC	12	GN	CHIN	3505		0.209	0.209		733	733	0	D							
83	BC	13	TR	CHIN	37826		0.137	0.137		5182	5182	0	D							

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
									-- FOR OTHER COUNTRY --			U.S. Candn			U.S. Candn				
									Est.	Est.	Diff	CAT	Est.	Est.	Diff	o	p	q	r
83	BC	13	SE	CHIN	13235		0.209	0.209	2766	2766	0	D							
83	BC	13	GN	CHIN	863		0.209	0.209	180	180	0	D							
83	BC	13	SP	CHIN	36881		0.324	0.324	11949	11949	0	D							
83	BC	14	TR	CHIN	29159		0.137	0.137	3995	3995	0	D							
83	BC	14	SE	CHIN	6		0.209	0.209	1	1	0	D							
83	BC	14	GN	CHIN	796		0.209	0.209	166	166	0	D							
83	BC	14	SP	CHIN	36797		0.324	0.324	11922	11922	0	D							
83	BC	15	TR	CHIN	8580		0.137	0.137	1175	1175	0	D							
83	BC	15	SP	CHIN	3050		0.324	0.324	988	988	0	D							
83	BC	16	TR	CHIN	3230		0.137	0.137	443	443	0	D							
83	BC	16	SE	CHIN	5753		0.209	0.209	1202	1202	0	D							
83	BC	16	GN	CHIN	1637		0.209	0.209	342	342	0	D							
83	BC	16	SP	CHIN	16830		0.324	0.324	5453	5453	0	D							
83	BC	17	TR	CHIN	20916		0.137	0.137	2865	2865	0	D							
83	BC	17	SP	CHIN	27241		0.324	0.324	8826	8826	0	D							
83	BC	18	TR	CHIN	2778		0.137	0.137	381	381	0	D							
83	BC	18	SP	CHIN	15751		0.324	0.324	5103	5103	0	D							
83	BC	19	SP	CHIN	15297		0.324	0.324	4956	4956	0	D							
83	BC	20	TR	CHIN	204		0.614	0.614	125	125	0	D							
83	BC	20	SE	CHIN	3302		0.676	0.676	2232	2232	0	D							
83	BC	20	GN	CHIN	387		0.676	0.676	262	262	0	D							
83	BC	20	SP	CHIN	30228		0.324	0.324	9794	9794	0	D							
83	BC	21	TR	CHIN	38584		0.614	0.614	23691	23691	0	D							
83	BC	23	TR	CHIN	171319		0.614	0.614	105190	105190	0	D							
83	BC	23	SE	CHIN	2923		0.816	0.816	2385	2385	0	D							
83	BC	23	GN	CHIN	38841	2892	0.816	0.816	2360	2360	0	D						e	
83	BC	24	TR	CHIN	79693		0.614	0.614	48932	48932	0	D							
83	BC	25	TR	CHIN	27044		0.614	0.614	16605	16605	0	D							
83	BC	25	SE	CHIN	54		0.816	0.816	44	44	0	D							
83	BC	26	TR	CHIN	19299		0.614	0.614	11850	11850	0	D							
83	BC	27	TR	CHIN	49428		0.614	0.614	30349	30349	0	D							
83	BC	28	SP	CHIN	11279		0.324	0.324	3654	3654	0	D							
83	BC	29	TR	CHIN	2572		0.137	0.137	352	352	0	D							
83	BC	29	SE	CHIN	7		0.011	0.011	0	0	0	D							
83	BC	29	GN	CHIN	25580		0.011	0.011	281	281	0	D							
83	BC	29	SP	CHIN	5079		0.324	0.324	1646	1646	0	D							
83	BC	30	TR	CHIN	4170		0.304	0.304	1268	1268	0	D	484973	484973	0				
83	BC	Taku	AL	CHIN	556		1.000	1.000	556	556	0	B2					c		
83	BC	Stikine	AL	CHIN	2063		1.000	1.000	2063	2063	0	B2					c		
83	BC	Alsek	AL	CHIN	612		1.000	1.000	612	612	0	B2	3231	3231	0		c		
84	BC	1	TR	CHIN	117987		0.536	0.536	63241	63241	0	D							
84	BC	1	SE	CHIN	4583		0.309	0.309	1416	1416	0	D							

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes
									-- FOR OTHER COUNTRY --			U.S. Candn			U.S. Candn			
							U.S.	Candn	Est.	Est.	Diff	CAT	Est.	Est.	Diff	P	Q	R
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	t		
84	BC	1	GN	CHIN	391		0.309	0.309	121	121	0	D						
84	BC	2E	TR	CHIN	10620		0.536	0.536	5692	5692	0	D						
84	BC	2E	SE	CHIN	34		0.309	0.309	11	11	0	D						
84	BC	2E	GN	CHIN	46		0.309	0.309	14	14	0	D						
84	BC	2E	SP	CHIN	171		0.158	0.158	27	27	0	D						d
84	BC	2W	TR	CHIN	31448		0.536	0.536	16856	16856	0	D						
84	BC	2W	SE	CHIN	8211		0.309	0.309	2537	2537	0	D						
84	BC	2W	GN	CHIN	7		0.309	0.309	2	2	0	D						
84	BC	3	TR	CHIN	7408		0.536	0.536	3971	3971	0	D						
84	BC	3	SE	CHIN	15070		0.309	0.309	4657	4657	0	D						
84	BC	3	GN	CHIN	5805		0.309	0.309	1794	1794	0	D						
84	BC	3	SP	CHIN	1350		0.158	0.158	213	213	0	D						d
84	BC	4	TR	CHIN	9998		0.536	0.536	5359	5359	0	D						
84	BC	4	SE	CHIN	5491		0.309	0.309	1697	1697	0	D						
84	BC	4	GN	CHIN	9810	4578	0.309	0.309	1415	1415	0	D						e
84	BC	4	SP	CHIN	850		0.158	0.158	134	134	0	D						d
84	BC	5	TR	CHIN	2204		0.536	0.536	1181	1181	0	D						
84	BC	5	SE	CHIN	1142		0.309	0.309	353	353	0	D						
84	BC	5	GN	CHIN	177		0.309	0.309	55	55	0	D						
84	BC	5	SP	CHIN	100		0.158	0.158	16	16	0	D						d
84	BC	6	TR	CHIN	13652		0.223	0.223	3044	3044	0	D						
84	BC	6	SE	CHIN	2518		0.417	0.417	1050	1050	0	D						
84	BC	6	GN	CHIN	42		0.417	0.417	18	18	0	D						
84	BC	6	SP	CHIN	3700	1232	0.158	0.158	195	195	0	D						f
84	BC	7	TR	CHIN	15557		0.223	0.223	3469	3469	0	D						
84	BC	7	SE	CHIN	2242		0.417	0.417	935	935	0	D						
84	BC	7	GN	CHIN	67		0.417	0.417	28	28	0	D						
84	BC	7	SP	CHIN	400		0.158	0.158	63	63	0	D						d
84	BC	8	TR	CHIN	4587		0.223	0.223	1023	1023	0	D						
84	BC	8	SE	CHIN	2818		0.417	0.417	1175	1175	0	D						
84	BC	8	GN	CHIN	1179	507	0.417	0.417	211	211	0	D						e
84	BC	8	SP	CHIN	2294		0.158	0.158	362	362	0	D						d
84	BC	9	TR	CHIN	1090		0.223	0.223	243	243	0	D						
84	BC	9	GN	CHIN	1053		0.417	0.417	439	439	0	D						
84	BC	9	SP	CHIN	1535		0.158	0.158	243	243	0	D						
84	BC	10	TR	CHIN	2860		0.223	0.223	638	638	0	D						
84	BC	10	GN	CHIN	286		0.417	0.417	119	119	0	D						
84	BC	10	SP	CHIN	125		0.158	0.158	20	20	0	D						d
84	BC	11	TR	CHIN	35352		0.223	0.223	7883	7883	0	D						
84	BC	11	GN	CHIN	142		0.241	0.241	34	34	0	D						
84	BC	12	TR	CHIN	8811		0.223	0.223	1965	1965	0	D						
84	BC	12	SE	CHIN	21523		0.241	0.241	5187	5187	0	D						

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND - -- FOR OTHER COUNTRY --			---- INTERCEPTION ----- --- CATEGORY SUMMARY ---			Notes		
							U.S.	Candn	U.S.	Candn	U.S.	Candn	CAT	Est.	Est.		
							Est.	Est.	Est.	Est.	Diff	Diff	o	p	q	r	t
84	BC	12	GN	CHIN	4566		0.241	0.241	1100	1100	0	D					
84	BC	13	TR	CHIN	32566		0.175	0.175	5699	5699	0	D					
84	BC	13	SE	CHIN	5615		0.241	0.241	1353	1353	0	D					
84	BC	13	GN	CHIN	459		0.241	0.241	111	111	0	D					
84	BC	13	SP	CHIN	93242		0.379	0.379	35339	35339	0	D					
84	BC	14	TR	CHIN	31215		0.175	0.175	5463	5463	0	D					
84	BC	14	SE	CHIN	907		0.241	0.241	219	219	0	D					
84	BC	14	GN	CHIN	278		0.241	0.241	67	67	0	D					
84	BC	14	SP	CHIN	55178		0.379	0.379	20912	20912	0	D					
84	BC	15	TR	CHIN	5745		0.175	0.175	1005	1005	0	D					
84	BC	15	SP	CHIN	6240		0.379	0.379	2365	2365	0	D					
84	BC	16	TR	CHIN	1657		0.175	0.175	290	290	0	D					
84	BC	16	SE	CHIN	3992		0.241	0.241	962	962	0	D					
84	BC	16	GN	CHIN	583		0.241	0.241	141	141	0	D					
84	BC	16	SP	CHIN	49985		0.379	0.379	18944	18944	0	D					
84	BC	17	TR	CHIN	13572		0.175	0.175	2375	2375	0	D					
84	BC	17	SP	CHIN	52731		0.379	0.379	19985	19985	0	D					
84	BC	18	TR	CHIN	1821		0.175	0.175	319	319	0	D					
84	BC	18	SP	CHIN	24654		0.379	0.379	9344	9344	0	D					
84	BC	19	SP	CHIN	24319		0.379	0.379	9217	9217	0	D					
84	BC	20	TR	CHIN	275		0.661	0.661	182	182	0	D					
84	BC	20	SE	CHIN	17521		0.601	0.601	10530	10530	0	D					
84	BC	20	GN	CHIN	3281		0.601	0.601	1972	1972	0	D					
84	BC	20	SP	CHIN	24353		0.379	0.379	9230	9230	0	D					
84	BC	21	TR	CHIN	20603		0.661	0.661	13619	13619	0	D					
84	BC	21	SE	CHIN	170		0.808	0.808	137	137	0	D					
84	BC	23	TR	CHIN	238632		0.661	0.661	157736	157736	0	D					
84	BC	23	SE	CHIN	1538		0.808	0.808	1243	1243	0	D					
84	BC	23	GN	CHIN	46605	6799	0.808	0.808	5494	5494	0	D					e
84	BC	23	SP	CHIN	44162	16185	0.919	0.919	14874	14874	0	D					h
84	BC	24	TR	CHIN	68618		0.661	0.661	45357	45357	0	D					
84	BC	25	TR	CHIN	19812		0.661	0.661	13096	13096	0	D					
84	BC	25	SE	CHIN	2055		0.808	0.808	1660	1660	0	D					
84	BC	25	GN	CHIN	253		0.808	0.808	204	204	0	D					
84	BC	26	TR	CHIN	29753		0.661	0.661	19667	19667	0	D					
84	BC	26	SE	CHIN	147		0.808	0.808	119	119	0	D					
84	BC	26	GN	CHIN	3		0.808	0.808	2	2	0	D					
84	BC	27	TR	CHIN	82639		0.661	0.661	54624	54624	0	D					
84	BC	28	SP	CHIN	16555		0.379	0.379	6274	6274	0	D					
84	BC	29	TR	CHIN	1582		0.175	0.175	277	277	0	D					
84	BC	29	GN	CHIN	27929		0.025	0.025	698	698	0	D					
84	BC	29	SP	CHIN	22188		0.379	0.379	8409	8409	0	D					

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			Notes	
							-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---			----- INTERCEPTION -----				
							U.S.	Candn	Est.	U.S.	Candn	Est.	CAT	U.S.	Candn		
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	t	
84	BC	30	TR	CHIN	1394		0.223	0.223		311	311	0	D	640031	640031	0	c
84	BC	Taku	AL	CHIN	515		1.000	1.000		515	515	0	B2				c
84	BC	Stikine	AL	CHIN	702		1.000	1.000		702	702	0	B2				c
84	BC	Alsek	AL	CHIN	575		1.000	1.000		575	575	0	B2	1792	1792	0	c
85	BC	1	TR	CHIN	89196		0.548	0.548	48879	48879	0	D					
85	BC	1	SE	CHIN	11111		0.399	0.399	4433	4433	0	D					
85	BC	1	GN	CHIN	10		0.399	0.399		4	4	0	D				
85	BC	1	SP	CHIN	500		0.193	0.193		97	97	0	D				d
85	BC	2E	TR	CHIN	11559		0.548	0.548	6334	6334	0	D					
85	BC	2E	SE	CHIN	714		0.399	0.399	285	285	0	D					
85	BC	2E	GN	CHIN	668		0.399	0.399	267	267	0	D					
85	BC	2E	SP	CHIN	100		0.193	0.193		19	19	0	D				d
85	BC	2W	TR	CHIN	74260		0.548	0.548	40694	40694	0	D					
85	BC	2W	SE	CHIN	3409		0.399	0.399	1360	1360	0	D					
85	BC	2W	GN	CHIN	96		0.399	0.399		38	38	0	D				
85	BC	3	TR	CHIN	5131		0.548	0.548	2812	2812	0	D					
85	BC	3	SE	CHIN	15672		0.399	0.399	6253	6253	0	D					
85	BC	3	GN	CHIN	1652		0.399	0.399		659	659	0	D				
85	BC	3	SP	CHIN	1000		0.193	0.193		193	193	0	D				d
85	BC	4	TR	CHIN	4128		0.548	0.548	2262	2262	0	D					
85	BC	4	SE	CHIN	9215		0.399	0.399	3677	3677	0	D					
85	BC	4	GN	CHIN	22572	11050	0.399	0.399	4409	4409	0	D				e	d
85	BC	4	SP	CHIN	2500		0.193	0.193		483	483	0	D				d
85	BC	5	TR	CHIN	2449		0.548	0.548	1342	1342	0	D					
85	BC	5	SE	CHIN	5418		0.399	0.399	2162	2162	0	D					
85	BC	5	GN	CHIN	130		0.399	0.399		52	52	0	D				
85	BC	5	SP	CHIN	100		0.193	0.193		19	19	0	D				d
85	BC	6	TR	CHIN	3804		0.353	0.353	1343	1343	0	D					
85	BC	6	SE	CHIN	5359		0.534	0.534	2862	2862	0	D					
85	BC	6	GN	CHIN	146		0.534	0.534		78	78	0	D				
85	BC	6	SP	CHIN	1724	574	0.193	0.193		111	111	0	D				f
85	BC	7	TR	CHIN	8529		0.353	0.353	3011	3011	0	D					
85	BC	7	SE	CHIN	1995		0.534	0.534		1065	1065	0	D				
85	BC	7	GN	CHIN	452		0.534	0.534		241	241	0	D				
85	BC	7	SP	CHIN	400		0.193	0.193		77	77	0	D				d
85	BC	8	TR	CHIN	1773		0.353	0.353		626	626	0	D				
85	BC	8	SE	CHIN	7986		0.534	0.534	4265	4265	0	D					
85	BC	8	GN	CHIN	2732	1649	0.534	0.534		881	881	0	D				e
85	BC	8	SP	CHIN	2020		0.193	0.193		390	390	0	D				d
85	BC	9	TR	CHIN	533		0.353	0.353		188	188	0	D				
85	BC	9	GN	CHIN	1943		0.534	0.534	1038	1038	0	D					
85	BC	9	SP	CHIN	1473		0.193	0.193		284	284	0	D				d

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND - -- FOR OTHER COUNTRY --			----- INTERCEPTION ----- --- CATEGORY SUMMARY ---			Notes		
							U.S.	Candn	U.S.	Candn	U.S.	Candn	CAT	Est.	Est.		
							Catch	Est.	Est.	Est.	Est.	Diff	o	p	q	r	
85	BC	10	TR	CHIN	1369		0.353	0.353	483	483	0	D					
85	BC	10	GN	CHIN	6669		0.534	0.534	3561	3561	0	D					
85	BC	10	SP	CHIN	50		0.193	0.193	10	10	0	D					
85	BC	11	TR	CHIN	9248		0.353	0.353	3265	3265	0	D					
85	BC	11	GN	CHIN	620		0.265	0.265	164	164	0	D					
85	BC	12	TR	CHIN	3562		0.353	0.353	1257	1257	0	D					
85	BC	12	SE	CHIN	25303		0.265	0.265	6705	6705	0	D					
85	BC	12	GN	CHIN	4656		0.265	0.265	1234	1234	0	D					
85	BC	13	TR	CHIN	19187		0.253	0.253	4854	4854	0	D					
85	BC	13	SE	CHIN	11889		0.265	0.265	3151	3151	0	D					
85	BC	13	GN	CHIN	885		0.265	0.265	235	235	0	D					
85	BC	13	SP	CHIN	51662		0.488	0.488	25211	25211	0	D					
85	BC	14	TR	CHIN	26400		0.253	0.253	6679	6679	0	D					
85	BC	14	SE	CHIN	2		0.265	0.265	1	1	0	D					
85	BC	14	GN	CHIN	2181		0.265	0.265	578	578	0	D					
85	BC	14	SP	CHIN	44245		0.488	0.488	21592	21592	0	D					
85	BC	15	TR	CHIN	1019		0.253	0.253	258	258	0	D					
85	BC	15	SP	CHIN	5436		0.488	0.488	2653	2653	0	D					
85	BC	16	TR	CHIN	1298		0.253	0.253	328	328	0	D					
85	BC	16	SE	CHIN	2616		0.265	0.265	693	693	0	D					
85	BC	16	GN	CHIN	2796		0.265	0.265	741	741	0	D					
85	BC	16	SP	CHIN	26463		0.488	0.488	12914	12914	0	D					
85	BC	17	TR	CHIN	4193		0.253	0.253	1061	1061	0	D					
85	BC	17	SP	CHIN	31480		0.488	0.488	15362	15362	0	D					
85	BC	18	TR	CHIN	535		0.253	0.253	135	135	0	D					
85	BC	18	SP	CHIN	11992		0.488	0.488	5852	5852	0	D					
85	BC	19	GN	CHIN	9		0.253	0.253	2	2	0	D					
85	BC	19	SP	CHIN	17631		0.488	0.488	8604	8604	0	D					
85	BC	20	TR	CHIN	48		0.748	0.748	36	36	0	D					
85	BC	20	SE	CHIN	39644		0.737	0.737	29218	29218	0	D					
85	BC	20	GN	CHIN	4973		0.737	0.737	3665	3665	0	D					
85	BC	20	SP	CHIN	27843		0.488	0.488	13587	13587	0	D					
85	BC	21	TR	CHIN	33743		0.748	0.748	25240	25240	0	D					
85	BC	21	SE	CHIN	485		0.792	0.792	384	384	0	D					
85	BC	21	GN	CHIN	22		0.792	0.792	17	17	0	D					
85	BC	23	TR	CHIN	186210		0.748	0.748	139285	139285	0	D					
85	BC	23	SE	CHIN	961		0.792	0.792	761	761	0	D					
85	BC	23	GN	CHIN	19795	18026	0.792	0.792	14277	14277	0	D					
85	BC	23	SP	CHIN	21587	10227	0.945	0.945	9665	9665	0	D					
85	BC	24	TR	CHIN	59816		0.748	0.748	44742	44742	0	D					
85	BC	25	TR	CHIN	14601		0.748	0.748	10922	10922	0	D					
85	BC	25	SE	CHIN	607		0.792	0.792	481	481	0	D					

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
									-- FOR OTHER COUNTRY --			U.S. CANDN			U.S. CANDN				
							U.S. Est.	CANDN Est.	Diff	CAT k	CANDN Est. l	Diff	CAT o	CANDN Est. p	Diff	CAT q	CANDN Est. r		
85	BC	25	GN	CHIN	96	0.792	0.792		76	76	0	D							
85	BC	26	TR	CHIN	21601	0.748	0.748	16158	16158	0	D								
85	BC	26	SE	CHIN	35	0.792	0.792	28	28	0	D								
85	BC	27	TR	CHIN	38097	0.748	0.748	28497	28497	0	D								
85	BC	28	SP	CHIN	9513	0.488	0.488	4642	4642	0	D								
85	BC	29	TR	CHIN	3054	0.253	0.253	773	773	0	D								
85	BC	29	GN	CHIN	28894	0.022	0.022	636	636	0	D								
85	BC	29	SP	CHIN	8573	0.488	0.488	4184	4184	0	D	618050	618050	0					
85	BC	Taku	AL	CHIN	350	1.000	1.000	350	350	0	B2					c			
85	BC	Stikine	AL	CHIN	1296	1.000	1.000	1296	1296	0	B2					c			
85	BC	Alsek	AL	CHIN	425	1.000	1.000	425	425	0	B2	2071	2071	0		c			
86	BC	1	TR	CHIN	81801	0.670	0.670	54807	54807	0	D								
86	BC	1	SE	CHIN	6725	0.560	0.560	3766	3766	0	D								
86	BC	1	GN	CHIN	49	0.560	0.560	27	27	0	D							d	
86	BC	1	SP	CHIN	800	0.156	0.156	125	125	0	D							d	
86	BC	2E	TR	CHIN	23129	0.670	0.670	15496	15496	0	D								
86	BC	2E	SE	CHIN	157	0.560	0.560	88	88	0	D								
86	BC	2E	GN	CHIN	3	0.560	0.560	2	2	0	D							d	
86	BC	2E	SP	CHIN	53	0.156	0.156	8	8	0	D							d	
86	BC	2W	TR	CHIN	26065	0.670	0.670	17464	17464	0	D							d	
86	BC	2W	SE	CHIN	2431	0.560	0.560	1361	1361	0	D								
86	BC	2W	GN	CHIN	18	0.560	0.560	10	10	0	D								
86	BC	2W	SP	CHIN	300	0.156	0.156	47	47	0	D							d	
86	BC	3	TR	CHIN	11131	0.670	0.670	7458	7458	0	D								
86	BC	3	SE	CHIN	17822	0.560	0.560	9980	9980	0	D								
86	BC	3	GN	CHIN	2210	0.560	0.560	1238	1238	0	D								
86	BC	3	SP	CHIN	700	0.156	0.156	109	109	0	D							d	
86	BC	4	TR	CHIN	5841	0.670	0.670	3913	3913	0	D								
86	BC	4	SE	CHIN	1455	0.560	0.560	815	815	0	D								
86	BC	4	GN	CHIN	9300	0.560	0.560	1792	1792	0	D					e			
86	BC	4	SP	CHIN	3200	0.156	0.156	499	499	0	D					d			
86	BC	5	TR	CHIN	5032	0.670	0.670	3371	3371	0	D								
86	BC	5	SE	CHIN	2443	0.560	0.560	1368	1368	0	D								
86	BC	5	GN	CHIN	103	0.560	0.560	58	58	0	D								
86	BC	5	SP	CHIN	50	0.156	0.156	8	8	0	D					d			
86	BC	6	TR	CHIN	9402	0.449	0.449	4221	4221	0	D								
86	BC	6	SE	CHIN	15327	0.579	0.579	8874	8874	0	D								
86	BC	6	GN	CHIN	297	0.579	0.579	172	172	0	D								
86	BC	6	SP	CHIN	982	0.156	0.156	153	153	0	D					f			
86	BC	7	TR	CHIN	8676	0.449	0.449	3896	3896	0	D								
86	BC	7	SE	CHIN	6796	0.579	0.579	3935	3935	0	D								
86	BC	7	GN	CHIN	302	0.579	0.579	175	175	0	D								

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND - -- FOR OTHER COUNTRY --			----- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes
							U.S.	Candn	Est.	U.S.	Candn	Est.	Diff	CAT	U.S.	Candn	Est.	Diff	
							k	l	m	o	p	q	r	t					
86	BC	7	SP	CHIN	381		0.156	0.156		59	59	0	D						d
86	BC	8	TR	CHIN	2719		0.449	0.449		1221	1221	0	D						
86	BC	8	SE	CHIN	17074		0.579	0.579		9886	9886	0	D						
86	BC	8	GN	CHIN	5215	4000	0.579	0.579		2316	2316	0	D						
86	BC	8	SP	CHIN	1263		0.156	0.156		197	197	0	D						e
86	BC	9	TR	CHIN	2640		0.449	0.449		1185	1185	0	D						d
86	BC	9	GN	CHIN	4830		0.579	0.579		2797	2797	0	D						
86	BC	9	SP	CHIN	2872		0.156	0.156		448	448	0	D						d
86	BC	10	TR	CHIN	4400		0.449	0.449		1976	1976	0	D						
86	BC	10	GN	CHIN	5439		0.579	0.579		3149	3149	0	D						
86	BC	10	SP	CHIN	50		0.156	0.156		8	8	0	D						d
86	BC	11	TR	CHIN	20731		0.449	0.449		9308	9308	0	D						
86	BC	11	GN	CHIN	973		0.245	0.245		238	238	0	D						
86	BC	12	TR	CHIN	3951		0.449	0.449		1774	1774	0	D						
86	BC	12	SE	CHIN	12063		0.245	0.245		2955	2955	0	D						
86	BC	12	GN	CHIN	4251		0.245	0.245		1041	1041	0	D						
86	BC	13	TR	CHIN	12311		0.286	0.286		3521	3521	0	D						
86	BC	13	SE	CHIN	4206		0.245	0.245		1030	1030	0	D						
86	BC	13	GN	CHIN	493		0.245	0.245		121	121	0	D						
86	BC	13	SP	CHIN	46609		0.488	0.488		22745	22745	0	D						
86	BC	14	TR	CHIN	24212		0.286	0.286		6925	6925	0	D						
86	BC	14	SE	CHIN	51		0.245	0.245		12	12	0	D						
86	BC	14	GN	CHIN	1935		0.245	0.245		474	474	0	D						
86	BC	14	SP	CHIN	33682		0.488	0.488		16437	16437	0	D						
86	BC	15	TR	CHIN	2558		0.286	0.286		732	732	0	D						
86	BC	15	SP	CHIN	4538		0.488	0.488		2215	2215	0	D						
86	BC	16	TR	CHIN	1015		0.286	0.286		290	290	0	D						
86	BC	16	SE	CHIN	1266		0.245	0.245		310	310	0	D						
86	BC	16	GN	CHIN	174		0.245	0.245		43	43	0	D						
86	BC	16	SP	CHIN	15592		0.488	0.488		7609	7609	0	D						
86	BC	17	TR	CHIN	2594		0.286	0.286		742	742	0	D						
86	BC	17	SP	CHIN	25290		0.488	0.488		12342	12342	0	D						
86	BC	18	TR	CHIN	236		0.286	0.286		67	67	0	D						
86	BC	18	GN	CHIN	10		0.245	0.245		2	2	0	D						
86	BC	18	SP	CHIN	6665		0.488	0.488		3253	3253	0	D						
86	BC	19	GN	CHIN	1		0.286	0.286		0	0	0	D						
86	BC	19	SP	CHIN	7657		0.488	0.488		3737	3737	0	D						
86	BC	20	TR	CHIN	324		0.878	0.878		284	284	0	D						
86	BC	20	SE	CHIN	51401		0.710	0.710		36495	36495	0	D						
86	BC	20	GN	CHIN	8450		0.710	0.710		6000	6000	0	D						
86	BC	20	SP	CHIN	34387		0.488	0.488		16781	16781	0	D						
86	BC	21	TR	CHIN	10414		0.878	0.878		9143	9143	0	D						

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
									-- FOR OTHER COUNTRY --			U.S. Candn			U.S. Candn				
							U.S.	Candn	Est.	Est.	Diff	Est.	Est.	Diff	CAT	U.S.	Candn		
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	s	t		
86	BC	21	SE	CHIN	165	0.754	0.754		124	124	0	D							
86	BC	21	GN	CHIN	153	0.754	0.754		115	115	0	D							
86	BC	23	TR	CHIN	164472	0.878	0.878	144406	144406	0	D								
86	BC	23	SE	CHIN	375	0.754	0.754		283	283	0	D							
86	BC	23	GN	CHIN	3422	2572	0.754	0.754	1939	1939	0	D						e	
86	BC	23	SP	CHIN	13410	4335	0.974	0.974	4222	4222	0	D						h	
86	BC	24	TR	CHIN	86217	0.878	0.878	75699	75699	0	D								
86	BC	25	TR	CHIN	23596	0.878	0.878	20717	20717	0	D								
86	BC	25	SE	CHIN	1151	0.754	0.754		868	868	0	D							
86	BC	25	GN	CHIN	636	0.754	0.754		480	480	0	D							
86	BC	26	TR	CHIN	18011	0.878	0.878	15814	15814	0	D								
86	BC	27	TR	CHIN	39353	0.878	0.878	34552	34552	0	D								
86	BC	28	SP	CHIN	4234	0.488	0.488		2066	2066	0	D							
86	BC	29	TR	CHIN	973	0.286	0.286		278	278	0	D							
86	BC	29	SE	CHIN	798	0.021	0.021		17	17	0	D							
86	BC	29	GN	CHIN	31401	0.021	0.021		659	659	0	D							
86	BC	29	SP	CHIN	3242	0.488	0.488	1582	1582	0	D								
86	BC	30	TR	CHIN	37	0.449	0.449		17	17	0	D	638942	638942	0				
86	BC	Taku	AL	CHIN	352	1.000	1.000		352	352	0	B2						c	
86	BC	Stikine	AL	CHIN	2911	1.000	1.000	2911	2911	0	B2						c		
86	BC	Alsek	AL	CHIN	267	1.000	1.000		267	267	0	B2	3530	3530	0			c	
87	BC	1	TR	CHIN	83918	0.739	0.739	62015	62015	0	D								
87	BC	1	SE	CHIN	7528	0.621	0.621		4675	4675	0	D							
87	BC	1	GN	CHIN	428	0.621	0.621		266	266	0	D							
87	BC	1	SP	CHIN	2000	0.250	0.250		500	500	0	D						d	
87	BC	2E	TR	CHIN	15269	0.739	0.739	11284	11284	0	D								
87	BC	2E	SE	CHIN	5	0.621	0.621		3	3	0	D							
87	BC	2E	GN	CHIN	8	0.621	0.621		5	5	0	D							
87	BC	2E	SP	CHIN	244	0.250	0.250		61	61	0	D						d	
87	BC	2W	TR	CHIN	67185	0.739	0.739	49650	49650	0	D								
87	BC	2W	SE	CHIN	1400	0.621	0.621		869	869	0	D							
87	BC	2W	SP	CHIN	400	0.250	0.250		100	100	0	D							
87	BC	3	TR	CHIN	4665	0.739	0.739		3447	3447	0	D							
87	BC	3	SE	CHIN	18153	0.621	0.621	11273	11273	0	D								
87	BC	3	GN	CHIN	1370	0.621	0.621		851	851	0	D							
87	BC	3	SP	CHIN	250	0.250	0.250		63	63	0	D							
87	BC	4	TR	CHIN	2880	0.739	0.739		2128	2128	0	D							
87	BC	4	SE	CHIN	2148	0.621	0.621		1334	1334	0	D							
87	BC	4	GN	CHIN	9055	4845	0.621	0.621	3009	3009	0	D					e		
87	BC	4	SP	CHIN	3750	0.250	0.250		938	938	0	D					d		
87	BC	5	TR	CHIN	3540	0.739	0.739		2616	2616	0	D							
87	BC	5	SE	CHIN	976	0.621	0.621		606	606	0	D							

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND -			---- INTERCEPTION -----			Notes	
							U.S. Candn			-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---				
							Est.	Candn	Diff	Est.	Candn	Diff	CAT	U.S.	Candn		
a	b	c	d	e	f	g	h	i		k	l	m	o	p	q	r	t
87	BC	18	TR	CHIN	470		0.340	0.340		160	160	0	D				
87	BC	18	GN	CHIN	5		0.339	0.339		2	2	0	D				
87	BC	18	SP	CHIN	8067		0.522	0.522		4211	4211	0	D				
87	BC	19	SP	CHIN	8084		0.522	0.522		4220	4220	0	D				
87	BC	20	TR	CHIN	29		0.903	0.903		26	26	0	D				
87	BC	20	SE	CHIN	9388		0.679	0.679		6374	6374	0	D				
87	BC	20	GN	CHIN	1867		0.679	0.679		1268	1268	0	D				
87	BC	20	SP	CHIN	24878		0.522	0.522		12986	12986	0	D				
87	BC	21	TR	CHIN	11472		0.903	0.903		10359	10359	0	D				
87	BC	21	SE	CHIN	153		0.846	0.846		129	129	0	D				
87	BC	21	GN	CHIN	300		0.846	0.846		254	254	0	D				
87	BC	22	TR	CHIN	5		0.903	0.903		5	5	0	D				
87	BC	23	TR	CHIN	125402		0.903	0.903		113238	113238	0	D				
87	BC	23	SE	CHIN	136		0.846	0.846		115	115	0	D				
87	BC	23	GN	CHIN	23	0	0.846	0.846		0	0	0	D			e	
87	BC	23	SP	CHIN	31790	20361	0.984	0.984		20035	20035	0	D			h	
87	BC	24	TR	CHIN	128913		0.903	0.903		116408	116408	0	D				
87	BC	25	TR	CHIN	19450		0.903	0.903		17563	17563	0	D				
87	BC	25	GN	CHIN	16		0.846	0.846		14	14	0	D				
87	BC	26	TR	CHIN	31941		0.903	0.903		28843	28843	0	D				
87	BC	27	TR	CHIN	61753		0.903	0.903		55763	55763	0	D				
87	BC	28	SP	CHIN	3179		0.522	0.522		1659	1659	0	D				
87	BC	29	TR	CHIN	1356		0.340	0.340		461	461	0	D				
87	BC	29	GN	CHIN	12021		0.023	0.023		276	276	0	D				
87	BC	29	SP	CHIN	4185		0.522	0.522		2185	2185	0	D				
87	BC	30	TR	CHIN	997		0.544	0.544		542	542	0	D	656819	656819	0	
87	BC	Taku	AL	CHIN	233		1.000	1.000		233	233	0	B2			c	
87	BC	Stikine	AL	CHIN	2645		1.000	1.000		2645	2645	0	B2			c	
87	BC	Alsek	AL	CHIN	490		1.000	1.000		490	490	0	B2	3368	3368	0	c
88	BC	1	TR	CHIN	90233		0.719	0.719		64878	64878	0	D				
88	BC	1	SE	CHIN	4672		0.521	0.521		2434	2434	0	D				
88	BC	1	GN	CHIN	73		0.521	0.521		38	38	0	D				
88	BC	1	SP	CHIN	5889		0.177	0.177		1042	1042	0	D			d	
88	BC	2E	TR	CHIN	9955		0.719	0.719		7158	7158	0	D				
88	BC	2E	SE	CHIN	109		0.521	0.521		57	57	0	D				
88	BC	2E	GN	CHIN	59		0.521	0.521		31	31	0	D				
88	BC	2E	SP	CHIN	170		0.177	0.177		30	30	0	D			d	
88	BC	2W	TR	CHIN	41091		0.719	0.719		29544	29544	0	D				
88	BC	2W	SE	CHIN	1264		0.521	0.521		659	659	0	D				
88	BC	2W	SP	CHIN	1000		0.177	0.177		177	177	0	D				
88	BC	3	TR	CHIN	2213		0.719	0.719		1591	1591	0	D				
88	BC	3	SE	CHIN	8035		0.521	0.521		4186	4186	0	D				

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND -			---- INTERCEPTION -----			Notes	
							U.S. Candn			-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---				
							Est.	Candn	Diff	Est.	Candn	Diff	CAT	U.S.	Candn		
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	t	
88	BC	3	GN	CHIN	806		0.521	0.521		420	420	0	D				
88	BC	4	TR	CHIN	2290		0.719	0.719		1647	1647	0	D				
88	BC	4	SE	CHIN	1345		0.521	0.521		701	701	0	D				
88	BC	4	GN	CHIN	22550	7513	0.521	0.521		3914	3914	0	D				
88	BC	4	SP	CHIN	4200		0.177	0.177		743	743	0	D			e	
88	BC	5	TR	CHIN	6587		0.719	0.719		4736	4736	0	D				
88	BC	5	SE	CHIN	1389		0.521	0.521		724	724	0	D				
88	BC	5	GN	CHIN	66		0.521	0.521		34	34	0	D				
88	BC	5	SP	CHIN	100		0.177	0.177		18	18	0	D			d	
88	BC	6	TR	CHIN	5356		0.566	0.566		3031	3031	0	D				
88	BC	6	SE	CHIN	6435		0.438	0.438		2819	2819	0	D				
88	BC	6	GN	CHIN	137		0.438	0.438		60	60	0	D				
88	BC	6	SP	CHIN	5852	1949	0.177	0.177		345	345	0	D			f	
88	BC	7	TR	CHIN	4497		0.566	0.566		2545	2545	0	D				
88	BC	7	SE	CHIN	627		0.438	0.438		275	275	0	D				
88	BC	7	GN	CHIN	96		0.438	0.438		42	42	0	D				
88	BC	7	SP	CHIN	250		0.177	0.177		44	44	0	D			d	
88	BC	8	TR	CHIN	538		0.566	0.566		305	305	0	D				
88	BC	8	SE	CHIN	8470		0.438	0.438		3710	3710	0	D				
88	BC	8	GN	CHIN	2242	332	0.438	0.438		145	145	0	D			e	
88	BC	8	SP	CHIN	1568		0.177	0.177		278	278	0	D			d	
88	BC	9	TR	CHIN	291		0.566	0.566		165	165	0	D				
88	BC	9	GN	CHIN	2003		0.438	0.438		877	877	0	D				
88	BC	9	SP	CHIN	1728		0.177	0.177		306	306	0	D			d	
88	BC	10	TR	CHIN	759		0.566	0.566		430	430	0	D				
88	BC	10	GN	CHIN	1836		0.438	0.438		804	804	0	D				
88	BC	10	SP	CHIN	50		0.177	0.177		9	9	0	D			d	
88	BC	11	TR	CHIN	17838		0.566	0.566		10096	10096	0	D				
88	BC	11	GN	CHIN	109		0.249	0.249		27	27	0	D				
88	BC	12	TR	CHIN	1566		0.566	0.566		886	886	0	D				
88	BC	12	SE	CHIN	6713		0.249	0.249		1672	1672	0	D				
88	BC	12	GN	CHIN	1189		0.249	0.249		296	296	0	D				
88	BC	13	TR	CHIN	7036		0.324	0.324		2280	2280	0	D				
88	BC	13	SE	CHIN	1831		0.249	0.249		456	456	0	D				
88	BC	13	GN	CHIN	281		0.249	0.249		70	70	0	D				
88	BC	13	SP	CHIN	21328		0.533	0.533		11368	11368	0	D				
88	BC	14	TR	CHIN	8558		0.324	0.324		2773	2773	0	D				
88	BC	14	GN	CHIN	263		0.249	0.249		65	65	0	D				
88	BC	14	SP	CHIN	20208		0.533	0.533		10771	10771	0	D				
88	BC	15	TR	CHIN	1579		0.324	0.324		512	512	0	D				
88	BC	15	SP	CHIN	2821		0.533	0.533		1504	1504	0	D				
88	BC	16	TR	CHIN	287		0.324	0.324		93	93	0	D				

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND -- -- FOR OTHER COUNTRY --			----- INTERCEPTION ----- --- CATEGORY SUMMARY ---			Notes	
							U.S.	Candn	U.S.	Candn	U.S.	Candn	U.S.	Candn	U.S.	Candn	
							Est.	Est.	Est.	Est.	Diff	Diff	Est.	Est.	CAT	Est.	Est.
88	BC	16	SE	CHIN	276	0.249	0.249		69	69	0	0	D				
88	BC	16	GN	CHIN	73	0.249	0.249		18	18	0	0	D				
88	BC	16	SP	CHIN	12167	0.533	0.533		6485	6485	0	0	D				
88	BC	17	TR	CHIN	1726	0.324	0.324		559	559	0	0	D				
88	BC	17	GN	CHIN	25	0.249	0.249		6	6	0	0	D				
88	BC	17	SP	CHIN	13627	0.533	0.533		7263	7263	0	0	D				
88	BC	18	TR	CHIN	248	0.324	0.324		80	80	0	0	D				
88	BC	18	SE	CHIN	5	0.249	0.249		1	1	0	0	D				
88	BC	18	GN	CHIN	20	0.249	0.249		5	5	0	0	D				
88	BC	18	SP	CHIN	7219	0.533	0.533		3848	3848	0	0	D				
88	BC	19	SP	CHIN	4588	0.533	0.533		2445	2445	0	0	D				
88	BC	20	TR	CHIN	13	0.893	0.893		12	12	0	0	D				
88	BC	20	SE	CHIN	10464	0.614	0.614		6425	6425	0	0	D				
88	BC	20	GN	CHIN	1317	0.614	0.614		809	809	0	0	D				
88	BC	20	SP	CHIN	31233	0.533	0.533		16647	16647	0	0	D				
88	BC	21	TR	CHIN	9716	0.893	0.893		8676	8676	0	0	D				
88	BC	21	SE	CHIN	773	0.799	0.799		618	618	0	0	D				
88	BC	21	GN	CHIN	243	0.799	0.799		194	194	0	0	D				
88	BC	23	TR	CHIN	134452	0.893	0.893		120066	120066	0	0	D				e h
88	BC	23	SE	CHIN	408	0.799	0.799		326	326	0	0	D				
88	BC	23	GN	CHIN	15123	15115	0.799	0.799	1210	1210	0	0	D				
88	BC	23	SP	CHIN	32810	20191	0.980	0.980	19787	19787	0	0	D				
88	BC	24	TR	CHIN	93238	0.893	0.893		83262	83262	0	0	D				
88	BC	25	TR	CHIN	35474	0.893	0.893		31678	31678	0	0	D				
88	BC	26	TR	CHIN	34459	0.893	0.893		30772	30772	0	0	D				
88	BC	27	TR	CHIN	101385	0.893	0.893		90537	90537	0	0	D				
88	BC	28	SP	CHIN	2297	0.533	0.533		1224	1224	0	0	D				
88	BC	29	TR	CHIN	177	0.324	0.324		57	57	0	0	D				
88	BC	29	SE	CHIN	1299	0.008	0.008		10	10	0	0	D				
88	BC	29	GN	CHIN	8446	0.008	0.008		68	68	0	0	D				
88	BC	29	SP	CHIN	3629	0.533	0.533		1934	1934	0	0	D				
88	BC	30	TR	CHIN	259	0.566	0.566		147	147	0	0	D	619059	619059	0	c
88	BC Taku	AL	CHIN	741	1.000	1.000		741	741	0	0	B2					
88	BC Stikine	AL	CHIN	2805	1.000	1.000		2805	2805	0	0	B2					
88	BC Alsek	AL	CHIN	318	1.000	1.000		318	318	0	0	B2	3864	3864	0	c	
89	BC 1	TR	CHIN	105124	0.654	0.654		68751	68751	0	0	D				d	
89	BC 1	SE	CHIN	7269	0.472	0.472		3431	3431	0	0	D					
89	BC 1	GN	CHIN	16	0.472	0.472		8	8	0	0	D					
89	BC 1	SP	CHIN	16452	0.178	0.178		2928	2928	0	0	D					
89	BC 2E	TR	CHIN	7532	0.654	0.654		4926	4926	0	0	D					
89	BC 2E	SE	CHIN	23	0.472	0.472		11	11	0	0	D					
89	BC 2E	GN	CHIN	4	0.472	0.472		2	2	0	0	D					

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND -			----- INTERCEPTION -----			Notes	
							U.S. Candn			-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---				
							Est.	Candn	Est.	Est.	Diff	CAT	U.S.	Candn	Est.	Est.	Diff
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	s	t
89	BC	2E	SP	CHIN	200		0.178	0.178	36	36	0	D					d
89	BC	2W	TR	CHIN	83957		0.654	0.654	54908	54908	0	D					
89	BC	2W	SE	CHIN	5726		0.472	0.472	2703	2703	0	D					
89	BC	2W	SP	CHIN	4000		0.178	0.178	712	712	0	D					
89	BC	3	TR	CHIN	4186		0.654	0.654	2738	2738	0	D					d
89	BC	3	SE	CHIN	18448		0.472	0.472	8707	8707	0	D					
89	BC	3	GN	CHIN	3110		0.472	0.472	1468	1468	0	D					
89	BC	3	SP	CHIN	1500		0.178	0.178	267	267	0	D					
89	BC	4	TR	CHIN	949		0.654	0.654	621	621	0	D					
89	BC	4	SE	CHIN	560		0.472	0.472	264	264	0	D					
89	BC	4	GN	CHIN	13938	4772	0.472	0.472	2252	2252	0	D					e
89	BC	4	SP	CHIN	2500		0.178	0.178	445	445	0	D					d
89	BC	5	TR	CHIN	4356		0.654	0.654	2849	2849	0	D					
89	BC	5	SE	CHIN	665		0.472	0.472	314	314	0	D					
89	BC	5	GN	CHIN	350		0.472	0.472	165	165	0	D					
89	BC	5	SP	CHIN	150		0.178	0.178	27	27	0	D					
89	BC	6	TR	CHIN	3665		0.439	0.439	1609	1609	0	D					
89	BC	6	SE	CHIN	232		0.377	0.377	87	87	0	D					
89	BC	6	GN	CHIN	38		0.377	0.377	14	14	0	D					
89	BC	6	SP	CHIN	7410	2468	0.178	0.178	439	439	0	D					f
89	BC	7	TR	CHIN	4109		0.439	0.439	1804	1804	0	D					
89	BC	7	SE	CHIN	167		0.377	0.377	63	63	0	D					
89	BC	7	GN	CHIN	69		0.377	0.377	26	26	0	D					
89	BC	7	SP	CHIN	300		0.178	0.178	53	53	0	D					
89	BC	8	TR	CHIN	578		0.439	0.439	254	254	0	D					d
89	BC	8	SE	CHIN	1069		0.377	0.377	403	403	0	D					
89	BC	8	GN	CHIN	3581	376	0.377	0.377	142	142	0	D					e
89	BC	8	SP	CHIN	1560		0.178	0.178	278	278	0	D					d
89	BC	9	TR	CHIN	81		0.439	0.439	36	36	0	D					
89	BC	9	GN	CHIN	1109		0.377	0.377	418	418	0	D					
89	BC	9	SP	CHIN	1528		0.178	0.178	272	272	0	D					
89	BC	10	TR	CHIN	380		0.439	0.439	167	167	0	D					
89	BC	10	GN	CHIN	1184		0.377	0.377	446	446	0	D					
89	BC	10	SP	CHIN	50		0.178	0.178	9	9	0	D					
89	BC	11	TR	CHIN	7401		0.439	0.439	3249	3249	0	D					
89	BC	11	GN	CHIN	1379		0.225	0.225	310	310	0	D					
89	BC	12	TR	CHIN	1723		0.439	0.439	756	756	0	D					
89	BC	12	SE	CHIN	19877		0.225	0.225	4472	4472	0	D					
89	BC	12	GN	CHIN	6345		0.225	0.225	1428	1428	0	D					
89	BC	13	TR	CHIN	14215		0.245	0.245	3483	3483	0	D					
89	BC	13	SE	CHIN	5769		0.225	0.225	1298	1298	0	D					
89	BC	13	GN	CHIN	742		0.225	0.225	167	167	0	D					

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes	
							U.S. Candn			FOR OTHER COUNTRY			U.S. Candn			U.S. Candn				
							Cat	Est.	Diff	o	p	q	r	s	t					
89 BC 13		SP CHIN			35759		0.443	0.443		15841	15841	0	D							
89 BC 14		TR CHIN			9657		0.245	0.245		2366	2366	0	D							
89 BC 14		GN CHIN			838		0.225	0.225		189	189	0	D							
89 BC 14		SP CHIN			23683		0.443	0.443		10492	10492	0	D							
89 BC 15		TR CHIN			776		0.245	0.245		190	190	0	D							
89 BC 15		SP CHIN			2309		0.443	0.443		1023	1023	0	D							
89 BC 16		TR CHIN			378		0.245	0.245		93	93	0	D							
89 BC 16		SE CHIN			1343		0.225	0.225		302	302	0	D							
89 BC 16		GN CHIN			270		0.225	0.225		61	61	0	D							
89 BC 16		SP CHIN			10316		0.443	0.443		4570	4570	0	D							
89 BC 17		TR CHIN			1447		0.245	0.245		355	355	0	D							
89 BC 17		SP CHIN			14581		0.443	0.443		6459	6459	0	D							
89 BC 18		TR CHIN			625		0.245	0.245		153	153	0	D							
89 BC 18		SP CHIN			6317		0.443	0.443		2798	2798	0	D							
89 BC 19		SP CHIN			3330		0.443	0.443		1475	1475	0	D							
89 BC 20		TR CHIN			18		0.788	0.788		14	14	0	D							
89 BC 20		SE CHIN			22539		0.550	0.550		12396	12396	0	D							
89 BC 20		GN CHIN			8504		0.550	0.550		4677	4677	0	D							
89 BC 20		SP CHIN			32539		0.443	0.443		14415	14415	0	D							
89 BC 21		TR CHIN			4480		0.788	0.788		3530	3530	0	D							
89 BC 21		SE CHIN			902		0.703	0.703		634	634	0	D							
89 BC 21		GN CHIN			1148		0.703	0.703		807	807	0	D							
89 BC 23		TR CHIN			82850		0.788	0.788		65286	65286	0	D							
89 BC 23		GN CHIN			36097	3	0.703	0.703		2	2	0	D						e h	
89 BC 23		SP CHIN			48222	30937	0.943	0.943		29174	29174	0	D							
89 BC 24		TR CHIN			45305		0.788	0.788		35700	35700	0	D							
89 BC 25		TR CHIN			14181		0.788	0.788		11175	11175	0	D							
89 BC 26		TR CHIN			13181		0.788	0.788		10387	10387	0	D							
89 BC 27		TR CHIN			40542		0.788	0.788		31947	31947	0	D							
89 BC 28		SP CHIN			1782		0.443	0.443		789	789	0	D							
89 BC 29		TR CHIN			939		0.245	0.245		230	230	0	D							
89 BC 29		GN CHIN			22832		0.011	0.011		251	251	0	D							
89 BC 29		SP CHIN			2230		0.443	0.443		988	988	0	D							
89 BC 30		TR CHIN			915		0.439	0.439		402	402	0	D	449387	449387	0			c	
89 BC Taku		AL CHIN			1034		1.000	1.000		1034	1034	0	B2							
89 BC Stikine		AL CHIN			2958		1.000	1.000		2958	2958	0	B2							
89 BC Alsek		AL CHIN			439		1.000	1.000		439	439	0	B2	4431	4431	0			c l	
80 WA 4		OG CHIN			4	3	0.000	0.000		0	0	0	E						k	
80 WA 4		SP CHIN			2751	2281	0.049	0.049		112	112	0	E							
80 WA 4		TR CHIN			24640	21166	0.278	0.278		5884	5884	0	E							
80 WA 4B		TR CHIN			10712	10412	0.116	0.116		1208	1208	0	E							
80 WA 4B		GN CHIN			4929	4742	0.346	0.346		1641	1641	0	E							

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND -- -- FOR OTHER COUNTRY --			---- INTERCEPTION ---- --- CATEGORY SUMMARY ---			Notes	
							U.S.	Candn		U.S.	Candn		U.S.	Candn			
							Catch	Est.	Est.	Est.	Est.	Diff	CAT	Est.	Est.	Diff	
80	WA	5	GN	CHIN	6305	6065	0.346	0.346		2098	2098	0	E				I
80	WA	5	SP	CHIN	20591	19809	0.116	0.116		2298	2298	0	E				K
80	WA	5	TR	CHIN	64	62	0.116	0.116		7	7	0	E				I
80	WA	5	OG	CHIN	6	6	0.346	0.346		2	2	0	E				I
80	WA	6	SP	CHIN	47187	45394	0.116	0.116		5266	5266	0	E				K
80	WA	6	GN	CHIN	1439	1384	0.346	0.346		479	479	0	E				I
80	WA	6A	GN	CHIN	887	853	0.346	0.346		295	295	0	E				I
80	WA	6A	SE	CHIN	428	412	0.346	0.346		143	143	0	E				I
80	WA	6B	OG	CHIN	1		0.071	0.071		0	0	0	EE				I
80	WA	6B	TR	CHIN	15	15	0.185	0.185		3	3	0	EE				I
80	WA	6B	GN	CHIN	5		0.071	0.071		0	0	0	EE				I
80	WA	6C	TR	CHIN	22	21	0.116	0.116		2	2	0	EEE				I
80	WA	6C	GN	CHIN	80	77	0.346	0.346		27	27	0	E				I
80	WA	6D	GN	CHIN	28		0.071	0.071		2	2	0	E				I
80	WA	7	OG	CHIN	500	481	0.346	0.346		166	166	0	EE				I
80	WA	7	SP	CHIN	9862	9487	0.116	0.116		1100	1100	0	E				K
80	WA	7	SE	CHIN	20816	20025	0.346	0.346		6929	6929	0	E				I
80	WA	7	GN	CHIN	11846	11396	0.346	0.346		3943	3943	0	E				I
80	WA	7A	OG	CHIN	3	3	0.346	0.346		1	1	0	EE				I
80	WA	7A	SE	CHIN	16770	16133	0.346	0.346		5582	5582	0	EE				I
80	WA	7A	GN	CHIN	11649	11206	0.346	0.346		3877	3877	0	E				I
80	WA	7B	GN	CHIN	61334		0.071	0.071		4355	4355	0	EE				I
80	WA	7B	SE	CHIN	20414		0.071	0.071		1449	1449	0	EEE				I
80	WA	7C	SE	CHIN	2374		0.071	0.071		169	169	0	E				I
80	WA	7C	GN	CHIN	8583		0.071	0.071		609	609	0	EE				I
80	WA	7D	GN	CHIN	4		0.071	0.071		0	0	0	E				I
80	WA	8	GN	CHIN	2804		0.071	0.071		199	199	0	E				I
80	WA	8	SP	CHIN	12169		0.185	0.185		2251	2251	0	E				K
80	WA	8	SE	CHIN	150		0.071	0.071		11	11	0	EEE				I
80	WA	8	OG	CHIN	11		0.071	0.071		1	1	0	EEE				I
80	WA	8A	SE	CHIN	207		0.071	0.071		15	15	0	E				I
80	WA	8A	GN	CHIN	19249		0.071	0.071		1367	1367	0	EE				I
80	WA	8A	OG	CHIN	2039		0.071	0.071		145	145	0	E				I
80	WA	9	SE	CHIN	23		0.071	0.071		2	2	0	EE				I
80	WA	9	SP	CHIN	36082		0.185	0.185		6675	6675	0	E				K
80	WA	9	OG	CHIN	4		0.071	0.071		0	0	0	EEE				I
80	WA	9	GN	CHIN	561		0.071	0.071		40	40	0	E				I
80	WA	9A	GN	CHIN	12		0.071	0.071		1	1	0	E				I
80	WA	10	SP	CHIN	31059		0.185	0.185		5746	5746	0	E				K
80	WA	10	SE	CHIN	1129		0.071	0.071		80	80	0	E				I
80	WA	10	GN	CHIN	10627		0.071	0.071		755	755	0	E				K
80	WA	11	SP	CHIN	41846		0.185	0.185		7742	7742	0	E				K

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND -- -- FOR OTHER COUNTRY --			----- INTERCEPTION ----- --- CATEGORY SUMMARY ---			Notes	
							U.S.	Candn		U.S.	Candn		U.S.	Candn			
							Est.	Est.	Diff	Est.	Est.	Diff	CAT	Est.	Est.	Diff	
80	WA	11	SE	CHIN	454	0.071	0.071	32	32	0	E						L
80	WA	11	GN	CHIN	2073	0.071	0.071	147	147	0	E						L
80	WA	12	GN	CHIN	7546	0.071	0.071	536	536	0	E						L
80	WA	12	SE	CHIN	276	0.071	0.071	20	20	0	E						L
80	WA	12	SP	CHIN	8073	0.185	0.185	1494	1494	0	E						k
80	WA	13	GN	CHIN	15587	0.071	0.071	1107	1107	0	E						L
80	WA	13	SP	CHIN	37644	0.185	0.185	6964	6964	0	E						k
80	WA	13	OG	CHIN	113	0.071	0.071	8	8	0	E						L
80	WA	13	SE	CHIN	1	0.071	0.071	0	0	0	E						L
81	WA	1	TR	CHIN	20184	0.262	0.262	4543	4543	0	E						J
81	WA	1	SP	CHIN	35397	0.035	0.035	1027	1027	0	E						J
81	WA	2	SP	CHIN	57472	0.035	0.035	1668	1668	0	E						K
81	WA	2	GN	CHIN	4784	0.000	0.000	0	0	0	E						I
81	WA	2	TR	CHIN	48902	0.262	0.262	11006	11006	0	E						L
81	WA	3	TR	CHIN	16862	0.262	0.262	3795	3795	0	E						L
81	WA	3	SP	CHIN	75	0.035	0.035	2	2	0	E						K
81	WA	4	SP	CHIN	3207	0.035	0.035	93	93	0	E						K
81	WA	4	GN	CHIN	4	0.000	0.000	0	0	0	E						L
81	WA	4	TR	CHIN	20933	0.262	0.262	4711	4711	0	E						L
81	WA	4B	TR	CHIN	15952	0.110	0.110	1706	1706	0	E						L
81	WA	4B	GN	CHIN	5441	0.366	0.366	1916	1916	0	E						L
81	WA	5	GN	CHIN	12842	0.366	0.366	4522	4522	0	E						L
81	WA	5	TR	CHIN	81	0.110	0.110	9	9	0	E						K
81	WA	5	SP	CHIN	17145	0.110	0.110	1814	1814	0	E						K
81	WA	6	TR	CHIN	4	0.110	0.110	0	0	0	E						L
81	WA	6	GN	CHIN	3016	0.366	0.366	1062	1062	0	E						L
81	WA	6	SP	CHIN	34207	0.110	0.110	3620	3620	0	E						K
81	WA	6	OG	CHIN	5	0.366	0.366	2	2	0	E						L
81	WA	6	SE	CHIN	63	0.366	0.366	22	22	0	E						L
81	WA	6A	SE	CHIN	319	0.366	0.366	112	112	0	E						L
81	WA	6A	GN	CHIN	317	0.366	0.366	112	112	0	E						L
81	WA	6B	GN	CHIN	2	0.085	0.085	0	0	0	E						L
81	WA	6B	TR	CHIN	42	0.198	0.198	8	8	0	E						L
81	WA	6C	OG	CHIN	13	0.366	0.366	5	5	0	E						L
81	WA	6C	TR	CHIN	1243	0.110	0.110	133	133	0	E						L
81	WA	6C	GN	CHIN	245	0.366	0.366	86	86	0	E						L
81	WA	6D	GN	CHIN	39	0.085	0.085	3	3	0	E						L
81	WA	7	GN	CHIN	8671	0.366	0.366	3053	3053	0	E						L
81	WA	7	OG	CHIN	322	0.366	0.366	113	113	0	E						L
81	WA	7	SP	CHIN	9727	0.110	0.110	1029	1029	0	E						K
81	WA	7	SE	CHIN	21064	0.366	0.366	7417	7417	0	E						L
81	WA	7A	OG	CHIN	43	0.366	0.366	15	15	0	E						L

APPENDIX B. Chinook Interception Estimates

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes	
							U.S. Candn			-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---				
							Est.	Candn	Est.	Est.	Diff	CAT	U.S.	Candn	Est.	Est.	Diff
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	s	t
81	WA	7A	GN	CHIN	4054	3900	0.366	0.366	1427	1427	0	E					L
81	WA	7A	SE	CHIN	12821	12334	0.366	0.366	4514	4514	0	E					L
81	WA	7B	SE	CHIN	9521		0.085	0.085	809	809	0	E					L
81	WA	7B	GN	CHIN	55327		0.085	0.085	4703	4703	0	E					L
81	WA	7B	OG	CHIN	4		0.085	0.085	0	0	0	E					L
81	WA	7C	SE	CHIN	57		0.085	0.085	5	5	0	E					L
81	WA	7C	GN	CHIN	1230		0.085	0.085	105	105	0	E					L
81	WA	7D	GN	CHIN	7		0.085	0.085	1	1	0	E					L
81	WA	8	GN	CHIN	3712		0.085	0.085	316	316	0	E					L
81	WA	8	SP	CHIN	6819		0.198	0.198	1350	1350	0	E					K
81	WA	8	SE	CHIN	209		0.085	0.085	18	18	0	E					L
81	WA	8	OG	CHIN	2		0.085	0.085	0	0	0	E					L
81	WA	8A	GN	CHIN	16407		0.085	0.085	1395	1395	0	E					L
81	WA	8A	SE	CHIN	187		0.085	0.085	16	16	0	E					L
81	WA	8A	OG	CHIN	1616		0.085	0.085	137	137	0	E					L
81	WA	9	SE	CHIN	216		0.085	0.085	18	18	0	E					L
81	WA	9	GN	CHIN	1457		0.085	0.085	124	124	0	E					L
81	WA	9	SP	CHIN	27027		0.198	0.198	5351	5351	0	E					K
81	WA	9A	GN	CHIN	28		0.085	0.085	2	2	0	E					L
81	WA	10	SP	CHIN	17212		0.198	0.198	3408	3408	0	E					K
81	WA	10	GN	CHIN	9673		0.085	0.085	822	822	0	E					L
81	WA	10	SE	CHIN	634		0.085	0.085	54	54	0	E					L
81	WA	11	SP	CHIN	22240		0.198	0.198	4404	4404	0	E					K
81	WA	11	GN	CHIN	6243		0.085	0.085	531	531	0	E					L
81	WA	11	SE	CHIN	505		0.085	0.085	43	43	0	E					L
81	WA	12	OG	CHIN	42		0.085	0.085	4	4	0	E					L
81	WA	12	GN	CHIN	8439		0.085	0.085	717	717	0	E					L
81	WA	12	SE	CHIN	300		0.085	0.085	26	26	0	E					L
81	WA	12	SP	CHIN	8969		0.198	0.198	1776	1776	0	E					K
81	WA	13	GN	CHIN	11027		0.085	0.085	937	937	0	E					L
81	WA	13	OG	CHIN	1168		0.085	0.085	99	99	0	E					L
81	WA	13	SP	CHIN	21087		0.198	0.198	4175	4175	0	E	90891	90891	0	K	
82	WA	1	SP	CHIN	27683	22949	0.035	0.035	803	803	0	E					J
82	WA	1	TR	CHIN	26476	22743	0.175	0.175	3980	3980	0	E					J
82	WA	2	TR	CHIN	75604	64944	0.175	0.175	11365	11365	0	E					L
82	WA	2	GN	CHIN	1343	1154	0.000	0.000	0	0	0	E					I
82	WA	2	SP	CHIN	83091	68882	0.035	0.035	2411	2411	0	E					K
82	WA	3	SP	CHIN	998	827	0.035	0.035	29	29	0	E					K
82	WA	3	TR	CHIN	15256	13105	0.175	0.175	2293	2293	0	E					L
82	WA	4	SP	CHIN	3180	2636	0.035	0.035	92	92	0	E					K
82	WA	4	GN	CHIN	235	202	0.000	0.000	0	0	0	E					L
82	WA	4	TR	CHIN	29223	25103	0.175	0.175	4393	4393	0	E					L

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND -- -- FOR OTHER COUNTRY --			----- INTERCEPTION ----- --- CATEGORY SUMMARY ---			Notes	
										U.S. Candn Est. Est. Diff			U.S. Candn Est. Est. Diff				
							k	l	m	o	p	q	r	s	t		
82	WA	4B	GN	CHIN	6411	6167	0.362	0.362		2232	2232	0	E			L	
82	WA	4B	OG	CHIN	1	1	0.362	0.362		0	0	0	E			L	
82	WA	4B	TR	CHIN	19898	19341	0.106	0.106		2050	2050	0	E			L	
82	WA	5	GN	CHIN	15780	15180	0.362	0.362		5495	5495	0	E			L	
82	WA	5	TR	CHIN	76	74	0.106	0.106		8	8	0	E			L	
82	WA	5	SP	CHIN	12538	12062	0.106	0.106		1279	1279	0	E			K	
82	WA	5	OG	CHIN	22	21	0.362	0.362		8	8	0	E			L	
82	WA	6	GN	CHIN	2985	2872	0.362	0.362		1040	1040	0	E			L	
82	WA	6	SP	CHIN	17304	16646	0.106	0.106		1764	1764	0	E			K	
82	WA	6A	OG	CHIN	20	19	0.362	0.362		7	7	0	E			L	
82	WA	6A	SE	CHIN	2040	1962	0.362	0.362		710	710	0	E			L	
82	WA	6A	GN	CHIN	988	950	0.362	0.362		344	344	0	E			L	
82	WA	6B	TR	CHIN	42	41	0.208	0.208		9	9	0	E			L	
82	WA	6B	OG	CHIN	72	0.077	0.077			6	6	0	E			L	
82	WA	6B	GN	CHIN	5	0.077	0.077			0	0	0	E			L	
82	WA	6C	GN	CHIN	314	302	0.362	0.362		109	109	0	E			L	
82	WA	6C	TR	CHIN	211	205	0.106	0.106		22	22	0	E			L	
82	WA	6C	OG	CHIN	19	18	0.362	0.362		7	7	0	E			L	
82	WA	6D	GN	CHIN	77	0.077	0.077			6	6	0	E			L	
82	WA	7	OG	CHIN	534	514	0.362	0.362		186	186	0	E			L	
82	WA	7	SP	CHIN	6953	6689	0.106	0.106		709	709	0	E			K	
82	WA	7	GN	CHIN	8410	8090	0.362	0.362		2929	2929	0	E			L	
82	WA	7	SE	CHIN	14554	14001	0.362	0.362		5068	5068	0	E			L	
82	WA	7A	OG	CHIN	5	5	0.362	0.362		2	2	0	E			L	
82	WA	7A	SE	CHIN	6166	5932	0.362	0.362		2147	2147	0	E			L	
82	WA	7A	GN	CHIN	3061	2945	0.362	0.362		1066	1066	0	E			L	
82	WA	7B	SE	CHIN	13330	0.077	0.077			1026	1026	0	E			L	
82	WA	7B	GN	CHIN	59411	0.077	0.077			4575	4575	0	E			L	
82	WA	7C	GN	CHIN	7010	0.077	0.077			540	540	0	E			L	
82	WA	7C	SE	CHIN	294	0.077	0.077			23	23	0	E			L	
82	WA	7D	SE	CHIN	2	0.077	0.077			0	0	0	E			L	
82	WA	7D	GN	CHIN	91	0.077	0.077			7	7	0	E			L	
82	WA	8	SE	CHIN	121	0.077	0.077			9	9	0	E			L	
82	WA	8	GN	CHIN	2923	0.077	0.077			225	225	0	E			L	
82	WA	8	SP	CHIN	6051	0.208	0.208			1259	1259	0	E			K	
82	WA	8A	GN	CHIN	9297	0.077	0.077			716	716	0	E			L	
82	WA	8A	SE	CHIN	194	0.077	0.077			15	15	0	E			L	
82	WA	8A	OG	CHIN	1523	0.077	0.077			117	117	0	E			L	
82	WA	9	SE	CHIN	1735	0.077	0.077			134	134	0	E			L	
82	WA	9	SP	CHIN	22156	0.208	0.208			4608	4608	0	E			K	
82	WA	9	GN	CHIN	3729	0.077	0.077			287	287	0	E			L	
82	WA	9A	GN	CHIN	54	0.077	0.077			4	4	0	E			L	

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			--- CATEGORY SUMMARY ---			Notes
							-- FOR OTHER COUNTRY --			U.S. Candn			U.S. Candn			U.S. Candn			
							Est.	Est.	Diff	k	l	m	o	p	q	r	s		
82	WA	10	SE	CHIN	1087	0.077	0.077	84	84	0	E								l
82	WA	10	GN	CHIN	12887	0.077	0.077	992	992	0	E								l
82	WA	10	SP	CHIN	16309	0.208	0.208	3392	3392	0	E								k
82	WA	11	SP	CHIN	22380	0.208	0.208	4655	4655	0	E								k
82	WA	11	SE	CHIN	266	0.077	0.077	20	20	0	E								l
82	WA	11	GN	CHIN	2170	0.077	0.077	167	167	0	E								l
82	WA	12	GN	CHIN	4383	0.077	0.077	337	337	0	E								l
82	WA	12	SP	CHIN	4410	0.208	0.208	917	917	0	E								k
82	WA	12	SE	CHIN	763	0.077	0.077	59	59	0	E								l
82	WA	13	OG	CHIN	37	0.077	0.077	3	3	0	E								l
82	WA	13	SP	CHIN	12056	0.208	0.208	2508	2508	0	E								k
82	WA	13	GN	CHIN	5899	0.077	0.077	454	454	0	E	79702	79702	0					l
83	WA	1	SP	CHIN	13425	11129	0.052	0.052	579	579	0	E							j
83	WA	1	TR	CHIN	12542	10774	0.374	0.374	4029	4029	0	E							j
83	WA	2	GN	CHIN	306	263	0.000	0.000	0	0	0	E							i
83	WA	2	TR	CHIN	27603	23711	0.374	0.374	8868	8868	0	E							l
83	WA	2	SP	CHIN	35773	29656	0.052	0.052	1542	1542	0	E							k
83	WA	3	TR	CHIN	6841	5876	0.374	0.374	2198	2198	0	E							l
83	WA	3	SP	CHIN	139	115	0.052	0.052	6	6	0	E							k
83	WA	4	TR	CHIN	12446	10691	0.374	0.374	3998	3998	0	E							l
83	WA	4	GN	CHIN	58	50	0.000	0.000	0	0	0	E							l
83	WA	4	SP	CHIN	2452	2033	0.052	0.052	106	106	0	E							k
83	WA	4B	TR	CHIN	20110	19547	0.104	0.104	2033	2033	0	E							l
83	WA	4B	GN	CHIN	7273	6997	0.351	0.351	2456	2456	0	E							l
83	WA	5	SP	CHIN	16839	16199	0.104	0.104	1685	1685	0	E							k
83	WA	5	TR	CHIN	176	171	0.104	0.104	18	18	0	E							l
83	WA	5	GN	CHIN	8263	7949	0.351	0.351	2790	2790	0	E							l
83	WA	6	GN	CHIN	705	678	0.351	0.351	238	238	0	E							l
83	WA	6	TR	CHIN	2	2	0.104	0.104	0	0	0	E							l
83	WA	6	SP	CHIN	41221	39655	0.104	0.104	4124	4124	0	E							k
83	WA	6A	SE	CHIN	40	38	0.351	0.351	13	13	0	E							l
83	WA	6A	GN	CHIN	312	300	0.351	0.351	105	105	0	E							l
83	WA	6B	TR	CHIN	96	93	0.160	0.160	15	15	0	E							l
83	WA	6C	TR	CHIN	614	597	0.104	0.104	62	62	0	E							l
83	WA	6C	GN	CHIN	520	500	0.351	0.351	176	176	0	E							l
83	WA	6C	OG	CHIN	85	82	0.351	0.351	29	29	0	E							l
83	WA	6D	GN	CHIN	8	0.081	0.081	1	1	0	E							l	
83	WA	6D	TR	CHIN	28	27	0.160	0.160	4	4	0	E						l	
83	WA	7	OG	CHIN	196	189	0.351	0.351	66	66	0	E						l	
83	WA	7	SE	CHIN	10779	10369	0.351	0.351	3640	3640	0	E							l
83	WA	7	SP	CHIN	15166	14590	0.104	0.104	1517	1517	0	E							k
83	WA	7	GN	CHIN	4459	4290	0.351	0.351	1506	1506	0	E							l

APPENDIX B. Chinook Interception Estimates

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			Notes	
					Adjusted			-- FOR OTHER COUNTRY --			----- CATEGORY SUMMARY -----				
					Catch	U.S.	Candn	U.S.	Candn	U.S.	U.S.	Candn	U.S.	Candn	
a	b	c	d	e	f	g	h	i	k	l	o	p	q	r	t
83	WA	7A	GN	CHIN	3971	3820	0.351	0.351	1341	1341	0	E			l
83	WA	7A	SE	CHIN	8011	7707	0.351	0.351	2705	2705	0	E			l
83	WA	7A	OG	CHIN	24	23	0.351	0.351	8	8	0	E			l
83	WA	7B	OG	CHIN	100		0.081	0.081	8	8	0	E			l
83	WA	7B	GN	CHIN	35451		0.081	0.081	2872	2872	0	E			l
83	WA	7B	SE	CHIN	10070		0.081	0.081	816	816	0	E			l
83	WA	7C	GN	CHIN	763		0.081	0.081	62	62	0	E			l
83	WA	7C	SE	CHIN	489		0.081	0.081	40	40	0	E			l
83	WA	7D	GN	CHIN	48		0.081	0.081	4	4	0	E			l
83	WA	8	SP	CHIN	8797		0.160	0.160	1408	1408	0	E			k
83	WA	8	GN	CHIN	604		0.081	0.081	49	49	0	E			l
83	WA	8	SE	CHIN	1		0.081	0.081	0	0	0	E			l
83	WA	8A	GN	CHIN	13018		0.081	0.081	1054	1054	0	E			l
83	WA	8A	SE	CHIN	129		0.081	0.081	10	10	0	E			l
83	WA	8A	OG	CHIN	1056		0.081	0.081	86	86	0	E			l
83	WA	9	GN	CHIN	1009		0.081	0.081	82	82	0	E			l
83	WA	9	SE	CHIN	613		0.081	0.081	50	50	0	E			l
83	WA	9	SP	CHIN	37018		0.160	0.160	5923	5923	0	E			k
83	WA	9A	GN	CHIN	24		0.081	0.081	2	2	0	E			l
83	WA	10	SP	CHIN	17247		0.160	0.160	2760	2760	0	E			k
83	WA	10	OG	CHIN	1		0.081	0.081	0	0	0	E			l
83	WA	10	SE	CHIN	2142		0.081	0.081	174	174	0	E			l
83	WA	10	GN	CHIN	27623		0.081	0.081	2237	2237	0	E			l
83	WA	11	SE	CHIN	743		0.081	0.081	60	60	0	E			l
83	WA	11	GN	CHIN	2547		0.081	0.081	206	206	0	E			l
83	WA	11	SP	CHIN	33345		0.160	0.160	5335	5335	0	E			k
83	WA	12	SP	CHIN	5693		0.160	0.160	911	911	0	E			k
83	WA	12	OG	CHIN	6		0.081	0.081	0	0	0	E			l
83	WA	12	SE	CHIN	1766		0.081	0.081	143	143	0	E			l
83	WA	12	GN	CHIN	3009		0.081	0.081	244	244	0	E			l
83	WA	13	SP	CHIN	19141		0.160	0.160	3063	3063	0	E			k
83	WA	13	OG	CHIN	504		0.081	0.081	41	41	0	E			l
83	WA	13	GN	CHIN	10562		0.081	0.081	856	856	0	E	74354	74354	0
84	WA	1	SP	CHIN	663	550	0.036	0.036	20	20	0	E			j
84	WA	1	TR	CHIN	2708	2326	0.210	0.210	488	488	0	E			j
84	WA	2	GN	CHIN	926	795	0.000	0.000	0	0	0	E			i
84	WA	2	SP	CHIN	6028	4997	0.036	0.036	180	180	0	E			k
84	WA	2	TR	CHIN	6219	5342	0.210	0.210	1122	1122	0	E			l
84	WA	3	TR	CHIN	933	801	0.210	0.210	168	168	0	E			k
84	WA	3	SP	CHIN	10	8	0.036	0.036	0	0	0	E			k
84	WA	4	SP	CHIN	229	190	0.036	0.036	7	7	0	E			k
84	WA	4	TR	CHIN	4412	3790	0.210	0.210	796	796	0	E			

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND - FOR OTHER COUNTRY --			---- INTERCEPTION -----			Notes	
							U.S. Candn			U.S. Candn			U.S. Candn				
							Est.	Est.	Diff	Est.	Est.	Diff	CAT	Est.	Est.	Diff	
84	WA	4B	TR	CHIN	14630	14220	0.069	0.069		981	981	0	E				L
84	WA	4B	GN	CHIN	1478	1422	0.339	0.339		482	482	0	E				L
84	WA	5	TR	CHIN	1413	1373	0.069	0.069		95	95	0	E				L
84	WA	5	OG	CHIN	24	23	0.339	0.339		8	8	0	E				L
84	WA	5	GN	CHIN	8879	8542	0.339	0.339		2896	2896	0	E				L
84	WA	5	SP	CHIN	11993	11537	0.069	0.069		796	796	0	E				K
84	WA	6	TR	CHIN	83	81	0.069	0.069		6	6	0	E				L
84	WA	6	SP	CHIN	36010	34642	0.069	0.069		2390	2390	0	E				K
84	WA	6	GN	CHIN	257	247	0.339	0.339		84	84	0	E				L
84	WA	6A	SE	CHIN	516	496	0.339	0.339		168	168	0	E				L
84	WA	6A	GN	CHIN	334	321	0.339	0.339		109	109	0	E				L
84	WA	6B	GN	CHIN	4		0.031	0.031		0	0	0	E				L
84	WA	6B	TR	CHIN	350	340	0.106	0.106		36	36	0	E				L
84	WA	6C	TR	CHIN	527	512	0.069	0.069		35	35	0	E				L
84	WA	6C	GN	CHIN	1739	1673	0.339	0.339		567	567	0	E				L
84	WA	7	GN	CHIN	6173	5938	0.339	0.339		2013	2013	0	E				L
84	WA	7	OG	CHIN	175	168	0.339	0.339		57	57	0	E				L
84	WA	7	SE	CHIN	11676	11232	0.339	0.339		3808	3808	0	E				L
84	WA	7	SP	CHIN	25759	24780	0.069	0.069		1710	1710	0	E				K
84	WA	7A	GN	CHIN	7526	7240	0.339	0.339		2454	2454	0	E				L
84	WA	7A	SE	CHIN	6775	6518	0.339	0.339		2210	2210	0	E				L
84	WA	7B	GN	CHIN	65583		0.031	0.031		2033	2033	0	E				L
84	WA	7B	SE	CHIN	22696		0.031	0.031		704	704	0	E				L
84	WA	7C	SE	CHIN	323		0.031	0.031		10	10	0	E				L
84	WA	7C	GN	CHIN	3164		0.031	0.031		98	98	0	E				L
84	WA	7D	GN	CHIN	28		0.031	0.031		1	1	0	E				L
84	WA	8	GN	CHIN	184		0.031	0.031		6	6	0	E				L
84	WA	8	SP	CHIN	10819		0.106	0.106		1147	1147	0	E				K
84	WA	8A	SE	CHIN	159		0.031	0.031		5	5	0	E				L
84	WA	8A	OG	CHIN	681		0.031	0.031		21	21	0	E				L
84	WA	8A	GN	CHIN	10432		0.031	0.031		323	323	0	E				L
84	WA	9	SP	CHIN	43303		0.106	0.106		4590	4590	0	E				K
84	WA	9	GN	CHIN	23		0.031	0.031		1	1	0	E				L
84	WA	9A	GN	CHIN	26		0.031	0.031		1	1	0	E				L
84	WA	10	SE	CHIN	1774		0.031	0.031		55	55	0	E				L
84	WA	10	GN	CHIN	27974		0.031	0.031		867	867	0	E				K
84	WA	10	SP	CHIN	11416		0.106	0.106		1210	1210	0	E				K
84	WA	11	SE	CHIN	3193		0.031	0.031		99	99	0	E				L
84	WA	11	GN	CHIN	4035		0.031	0.031		125	125	0	E				L
84	WA	11	SP	CHIN	16915		0.106	0.106		1793	1793	0	E				K
84	WA	11	OG	CHIN	64		0.031	0.031		2	2	0	E				L
84	WA	12	SE	CHIN	311		0.031	0.031		10	10	0	E				L

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Adjusted		PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes		
							U.S.		-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---					
					Catch	Catch	Est.	Est.	Est.	Est.	Diff	CAT	U.S.	Candn	Est.	Est.	Diff
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	s	t
84	WA	12	GN	CHIN	4669	0.031	0.031		145	145	0	E					l
84	WA	12	SP	CHIN	3802	0.106	0.106		403	403	0	E					k
84	WA	13	GN	CHIN	13274	0.031	0.031		411	411	0	E					l
84	WA	13	SP	CHIN	14601	0.106	0.106		1548	1548	0	E					k
84	WA	13	OG	CHIN	3017	0.031	0.031		94	94	0	E					l
84	WA	13	SE	CHIN	20	0.031	0.031		1	1	0	E	39389	39389	0	l	
85	WA	1	SP	CHIN	9689	0.021	0.021		169	169	0	E					j
85	WA	1	TR	CHIN	12316	0.132	0.132		1396	1396	0	E					j
85	WA	2	SP	CHIN	18148	0.021	0.021		316	316	0	E					k
85	WA	2	GN	CHIN	266	0.000	0.000		0	0	0	E					i
85	WA	2	TR	CHIN	20964	0.132	0.132		2377	2377	0	E					l
85	WA	3	SP	CHIN	300	0.021	0.021		5	5	0	E					k
85	WA	3	TR	CHIN	5974	0.132	0.132		677	677	0	E					l
85	WA	4	GN	CHIN	493	0.000	0.000		0	0	0	E					l
85	WA	4	SP	CHIN	2052	0.021	0.021		36	36	0	E					k
85	WA	4	TR	CHIN	11179	0.132	0.132		1268	1268	0	E					l
85	WA	4B	TR	CHIN	7526	0.049	0.049		358	358	0	E					l
85	WA	4B	GN	CHIN	3673	0.386	0.386		1364	1364	0	E					l
85	WA	5	GN	CHIN	7892	0.386	0.386		2931	2931	0	E					k
85	WA	5	SP	CHIN	18382	0.049	0.049		866	866	0	E					k
85	WA	5	TR	CHIN	4065	0.049	0.049		194	194	0	E					l
85	WA	6	TR	CHIN	872	0.049	0.049		42	42	0	E					k
85	WA	6	SP	CHIN	25885	0.049	0.049		1220	1220	0	E					l
85	WA	6	OG	CHIN	33	0.386	0.386		12	12	0	E					l
85	WA	6	GN	CHIN	314	0.386	0.386		117	117	0	E					l
85	WA	6B	TR	CHIN	7	0.073	0.073		1	1	0	E					l
85	WA	6C	TR	CHIN	1568	0.049	0.049		75	75	0	E					l
85	WA	6C	OG	CHIN	133	0.386	0.386		49	49	0	E					l
85	WA	6C	GN	CHIN	1086	0.386	0.386		403	403	0	E					l
85	WA	6D	GN	CHIN	1	0.029	0.029		0	0	0	E					l
85	WA	7	SP	CHIN	12610	0.049	0.049		594	594	0	E					k
85	WA	7	OG	CHIN	295	0.386	0.386		110	110	0	E					l
85	WA	7	SE	CHIN	13152	0.386	0.386		4884	4884	0	E					l
85	WA	7	GN	CHIN	5246	0.386	0.386		1948	1948	0	E					l
85	WA	7A	GN	CHIN	4630	0.386	0.386		1719	1719	0	E					l
85	WA	7A	SE	CHIN	9909	0.386	0.386		3679	3679	0	E					l
85	WA	7B	SE	CHIN	11645	0.029	0.029		338	338	0	E					l
85	WA	7B	GN	CHIN	80182	0.029	0.029		2325	2325	0	E					l
85	WA	7C	GN	CHIN	8552	0.029	0.029		248	248	0	E					l
85	WA	7D	GN	CHIN	54	0.029	0.029		2	2	0	E					l
85	WA	7E	SE	CHIN	239	0.029	0.029		7	7	0	E					l
85	WA	7E	GN	CHIN	751	0.029	0.029		22	22	0	E					l

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes	
							-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---						
							U.S.	Candn	Est.	U.S.	Candn	Est.	Diff			
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	t
85	WA	8	SP	CHIN	9879	0.073	0.073		721	721	0	E			k	
85	WA	8	OG	CHIN	2	0.029	0.029		0	0	0	E			l	
85	WA	8	GN	CHIN	2536	0.029	0.029		74	74	0	E			l	
85	WA	8	SE	CHIN	319	0.029	0.029		9	9	0	E			l	
85	WA	8A	SE	CHIN	260	0.029	0.029		8	8	0	E			l	
85	WA	8A	GN	CHIN	7823	0.029	0.029		227	227	0	E			l	
85	WA	8A	OG	CHIN	1050	0.029	0.029		30	30	0	E			l	
85	WA	8D	GN	CHIN	407	0.029	0.029		12	12	0	E			l	
85	WA	9	SP	CHIN	31401	0.073	0.073		2292	2292	0	E			k	
85	WA	9	GN	CHIN	623	0.029	0.029		18	18	0	E			l	
85	WA	9	SE	CHIN	222	0.029	0.029		6	6	0	E			l	
85	WA	9A	GN	CHIN	5	0.029	0.029		0	0	0	E			l	
85	WA	10	GN	CHIN	21902	0.029	0.029		635	635	0	E			l	
85	WA	10	SP	CHIN	15166	0.073	0.073		1107	1107	0	E			k	
85	WA	10	SE	CHIN	700	0.029	0.029		20	20	0	E			l	
85	WA	11	OG	CHIN	21	0.029	0.029		1	1	0	E			l	
85	WA	11	SE	CHIN	295	0.029	0.029		9	9	0	E			l	
85	WA	11	GN	CHIN	3115	0.029	0.029		90	90	0	E			l	
85	WA	11	SP	CHIN	23001	0.073	0.073		1679	1679	0	E			k	
85	WA	12	OG	CHIN	26	0.029	0.029		1	1	0	E			l	
85	WA	12	GN	CHIN	6209	0.029	0.029		180	180	0	E			l	
85	WA	12	SP	CHIN	2743	0.073	0.073		200	200	0	E			k	
85	WA	12	SE	CHIN	70	0.029	0.029		2	2	0	E			l	
85	WA	13	SP	CHIN	8204	0.073	0.073		599	599	0	E			k	
85	WA	13	GN	CHIN	9867	0.029	0.029		286	286	0	E			l	
85	WA	13	OG	CHIN	475	0.029	0.029		14	14	0	E	37972	37972	0	
86	WA	1	SP	CHIN	4125	0.010	0.010		34	34	0	E			j	
86	WA	1	TR	CHIN	17602	0.084	0.084		1270	1270	0	E			j	
86	WA	2	GN	CHIN	739	0.000	0.000		0	0	0	E			i	
86	WA	2	TR	CHIN	15079	0.084	0.084		1088	1088	0	E			l	
86	WA	2	SP	CHIN	15289	0.010	0.010		127	127	0	E			k	
86	WA	3	SP	CHIN	339	0.010	0.010		3	3	0	E			k	
86	WA	3	TR	CHIN	6835	0.084	0.084		493	493	0	E			l	
86	WA	4	SP	CHIN	3250	0.010	0.010		27	27	0	E			k	
86	WA	4	GN	CHIN	22	0.000	0.000		0	0	0	E			l	
86	WA	4	TR	CHIN	9864	0.084	0.084		712	712	0	E			l	
86	WA	4B	TR	CHIN	5863	0.039	0.039		222	222	0	E			l	
86	WA	4B	GN	CHIN	6484	0.314	0.314		1959	1959	0	E			l	
86	WA	5	TR	CHIN	15008	0.039	0.039		569	569	0	E			l	
86	WA	5	OG	CHIN	38	0.314	0.314		12	12	0	E			l	
86	WA	5	GN	CHIN	9599	0.314	0.314		2899	2899	0	E			l	
86	WA	5	SP	CHIN	36146	0.039	0.039		1356	1356	0	E			k	

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes	
							-- FOR OTHER COUNTRY --			U.S. Candn			--- CATEGORY SUMMARY ---				
							U.S.	Candn	Est.	U.S.	Candn	Est.	CAT	U.S.	Candn		
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	t	
86	WA	6	TR	CHIN	717	697	0.039	0.039	27	27	0	E				l	
86	WA	6	SP	CHIN	32452	31219	0.039	0.039	1218	1218	0	E				k	
86	WA	6	GN	CHIN	51	49	0.314	0.314	15	15	0	E				l	
86	WA	6	OG	CHIN	47	45	0.314	0.314	14	14	0	E				l	
86	WA	6B	TR	CHIN	188	183	0.057	0.057	10	10	0	E				l	
86	WA	6C	OG	CHIN	69	66	0.314	0.314	21	21	0	E				l	
86	WA	6C	GN	CHIN	1094	1052	0.314	0.314	330	330	0	E				l	
86	WA	6C	TR	CHIN	10553	10258	0.039	0.039	400	400	0	E				l	
86	WA	6D	GN	CHIN	11		0.027	0.027	0	0	0	E				l	
86	WA	7	SE	CHIN	7436	7153	0.314	0.314	2246	2246	0	E				l	
86	WA	7	OG	CHIN	196	189	0.314	0.314	59	59	0	E				l	
86	WA	7	SP	CHIN	15084	14511	0.039	0.039	566	566	0	E				k	
86	WA	7	GN	CHIN	5039	4848	0.314	0.314	1522	1522	0	E				l	
86	WA	7A	GN	CHIN	3556	3421	0.314	0.314	1074	1074	0	E				l	
86	WA	7A	OG	CHIN	3	3	0.314	0.314	1	1	0	E				l	
86	WA	7A	SE	CHIN	5077	4884	0.314	0.314	1534	1534	0	E				l	
86	WA	7B	GN	CHIN	55150	0.027	0.027		1489	1489	0	E				l	
86	WA	7B	SE	CHIN	22148	0.027	0.027		598	598	0	E				l	
86	WA	7C	SE	CHIN	214	0.027	0.027		6	6	0	E				l	
86	WA	7C	GN	CHIN	6405	0.027	0.027		173	173	0	E				l	
86	WA	7D	GN	CHIN	1	0.027	0.027		0	0	0	E				l	
86	WA	8	GN	CHIN	1845	0.027	0.027		50	50	0	E				l	
86	WA	8	SP	CHIN	15124	0.057	0.057		862	862	0	E				k	
86	WA	8	SE	CHIN	396	0.027	0.027		11	11	0	E				l	
86	WA	8A	SE	CHIN	250	0.027	0.027		7	7	0	E				l	
86	WA	8A	OG	CHIN	83	0.027	0.027		2	2	0	E				l	
86	WA	8A	GN	CHIN	7501	0.027	0.027		203	203	0	E				l	
86	WA	8D	OG	CHIN	917	0.027	0.027		25	25	0	E				l	
86	WA	8D	GN	CHIN	4513	0.027	0.027		122	122	0	E				l	
86	WA	8D	SE	CHIN	1	0.027	0.027		0	0	0	E				l	
86	WA	9	SP	CHIN	33064	0.057	0.057		1885	1885	0	E				k	
86	WA	9	OG	CHIN	1	0.027	0.027		0	0	0	E				l	
86	WA	9	GN	CHIN	616	0.027	0.027		17	17	0	E				l	
86	WA	9	SE	CHIN	127	0.027	0.027		3	3	0	E				l	
86	WA	9A	GN	CHIN	10	0.027	0.027		0	0	0	E				l	
86	WA	10	GN	CHIN	17828	0.027	0.027		481	481	0	E				l	
86	WA	10	SE	CHIN	654	0.027	0.027		18	18	0	E				l	
86	WA	10	SP	CHIN	13378	0.057	0.057		763	763	0	E				k	
86	WA	11	SP	CHIN	15277	0.057	0.057		871	871	0	E				k	
86	WA	11	GN	CHIN	1650	0.027	0.027		45	45	0	E				l	
86	WA	11	SE	CHIN	1034	0.027	0.027		28	28	0	E				l	
86	WA	12	SP	CHIN	2015	0.057	0.057		115	115	0	E				k	

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes	
									-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---				
							U.S.	Candn	Est.	Est.	Diff	U.S.	Candn	Est.	Est.	
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	t
86	WA	12	SE	CHIN	1111	0.027	0.027		30	30	0	E				l
86	WA	12	GN	CHIN	6364	0.027	0.027		172	172	0	E				l
86	WA	13	GN	CHIN	5249	0.027	0.027		142	142	0	E				l
86	WA	13	SP	CHIN	7424	0.057	0.057		423	423	0	E				k
86	WA	13	OG	CHIN	458	0.027	0.027		12	12	0	E	28361	28361	0	l
87	WA	1	TR	CHIN	9938	0.040	0.040		375	375	0	E				j
87	WA	1	SP	CHIN	11966	0.007	0.007		80	80	0	E				j
87	WA	2	SP	CHIN	29733	0.007	0.007		199	199	0	E				k
87	WA	2	GN	CHIN	788	0.000	0.000		0	0	0	E				i
87	WA	2	TR	CHIN	45974	0.040	0.040		1734	1734	0	E				l
87	WA	3	TR	CHIN	5640	0.040	0.040		213	213	0	E				l
87	WA	3	SP	CHIN	214	0.007	0.007		1	1	0	E				k
87	WA	4	SP	CHIN	2599	0.007	0.007		17	17	0	E				k
87	WA	4	TR	CHIN	14313	0.040	0.040		540	540	0	E				l
87	WA	4	GN	CHIN	3002	0.000	0.000		0	0	0	E				l
87	WA	4A	GN	CHIN	679	0.000	0.000		0	0	0	E				l
87	WA	4A	TR	CHIN	5	0.040	0.040		0	0	0	E				l
87	WA	4B	TR	CHIN	11341	0.021	0.021		233	233	0	E				l
87	WA	4B	OG	CHIN	1	0.280	0.280		0	0	0	E				l
87	WA	4B	GN	CHIN	3987	0.280	0.280		1061	1061	0	E				l
87	WA	5	GN	CHIN	4624	0.280	0.280		1230	1230	0	E				l
87	WA	5	TR	CHIN	17360	0.021	0.021		357	357	0	E				l
87	WA	5	SP	CHIN	21530	0.021	0.021		430	430	0	E				k
87	WA	6	SP	CHIN	31215	0.021	0.021		623	623	0	E				k
87	WA	6	GN	CHIN	765	0.280	0.280		204	204	0	E				l
87	WA	6	TR	CHIN	36	0.021	0.021		1	1	0	E				l
87	WA	6	OG	CHIN	62	0.280	0.280		17	17	0	E				l
87	WA	6C	OG	CHIN	16	0.280	0.280		4	4	0	E				l
87	WA	6C	GN	CHIN	2063	0.280	0.280		549	549	0	E				l
87	WA	6C	TR	CHIN	17539	0.021	0.021		361	361	0	E				l
87	WA	6D	SE	CHIN	2	0.020	0.020		0	0	0	E				l
87	WA	6D	GN	CHIN	3	0.020	0.020		0	0	0	E				l
87	WA	7	SE	CHIN	13328	0.280	0.280		3545	3545	0	E				l
87	WA	7	OG	CHIN	316	0.280	0.280		84	84	0	E				l
87	WA	7	TR	CHIN	48	0.021	0.021		1	1	0	E				l
87	WA	7	GN	CHIN	5958	0.280	0.280		1585	1585	0	E				l
87	WA	7	SP	CHIN	13877	0.021	0.021		277	277	0	E				k
87	WA	7A	SE	CHIN	6238	0.280	0.280		1659	1659	0	E				l
87	WA	7A	GN	CHIN	2852	0.280	0.280		759	759	0	E				l
87	WA	7B	SE	CHIN	12916	0.020	0.020		258	258	0	E				l
87	WA	7B	GN	CHIN	33606	0.020	0.020		672	672	0	E				l
87	WA	7C	GN	CHIN	3826	0.020	0.020		77	77	0	E				l

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes		
							-- FOR OTHER COUNTRY --			----- CATEGORY SUMMARY -----			-----					
							U.S.	Candn	U.S.	U.S.	Candn	o	p	q	r	Diff		
87	WA	7C	SE	CHIN	165	0.020	0.020		3	3	0	E						l
87	WA	7D	GN	CHIN	61	0.020	0.020		1	1	0	E						l
87	WA	7E	GN	CHIN	1384	0.020	0.020		28	28	0	E						l
87	WA	7E	SE	CHIN	1437	0.020	0.020		29	29	0	E						l
87	WA	8	SP	CHIN	6954	0.038	0.038		264	264	0	E						k
87	WA	8	GN	CHIN	629	0.020	0.020		13	13	0	E						l
87	WA	8	OG	CHIN	4	0.020	0.020		0	0	0	E						l
87	WA	8	SE	CHIN	53	0.020	0.020		1	1	0	E						l
87	WA	8A	SE	CHIN	683	0.020	0.020		14	14	0	E						l
87	WA	8A	OG	CHIN	98	0.020	0.020		2	2	0	E						l
87	WA	8A	GN	CHIN	4303	0.020	0.020		86	86	0	E						l
87	WA	8D	GN	CHIN	627	0.020	0.020		13	13	0	E						l
87	WA	8D	SE	CHIN	31	0.020	0.020		1	1	0	E						l
87	WA	8D	OG	CHIN	16	0.020	0.020		0	0	0	E						l
87	WA	9	GN	CHIN	28	0.020	0.020		1	1	0	E						l
87	WA	9	SP	CHIN	22899	0.038	0.038		870	870	0	E						k
87	WA	9A	GN	CHIN	4	0.020	0.020		0	0	0	E						l
87	WA	10	SP	CHIN	12373	0.038	0.038		470	470	0	E						k
87	WA	10	SE	CHIN	784	0.020	0.020		16	16	0	E						l
87	WA	10	GN	CHIN	25022	0.020	0.020		500	500	0	E						l
87	WA	10	OG	CHIN	1	0.020	0.020		0	0	0	E						l
87	WA	11	GN	CHIN	1490	0.020	0.020		30	30	0	E						l
87	WA	11	SE	CHIN	294	0.020	0.020		6	6	0	E						l
87	WA	11	SP	CHIN	9277	0.038	0.038		353	353	0	E						k
87	WA	12	OG	CHIN	24	0.020	0.020		0	0	0	E						l
87	WA	12	GN	CHIN	7529	0.020	0.020		151	151	0	E						l
87	WA	12	SE	CHIN	886	0.020	0.020		18	18	0	E						l
87	WA	12	SP	CHIN	1519	0.038	0.038		58	58	0	E						k
87	WA	13	GN	CHIN	6811	0.020	0.020		136	136	0	E						l
87	WA	13	SP	CHIN	3450	0.038	0.038		131	131	0	E						k
87	WA	13	OG	CHIN	1054	0.020	0.020		21	21	0	E						l
87	WA	13	SE	CHIN	15	0.020	0.020		0	0	0	E			20362	20362	0	l
88	WA	1	TR	CHIN	3282	0.037	0.037		101	101	0	E						i
88	WA	1	SP	CHIN	1600	0.008	0.008		10	10	0	E						i
88	WA	2	GN	CHIN	6295	0.000	0.000		0	0	0	E						i
88	WA	2	TR	CHIN	39132	0.037	0.037		1208	1208	0	E						i
88	WA	2	SP	CHIN	13400	10372	0.008	0.008	83	83	0	E						i
88	WA	3	SP	CHIN	700	542	0.008	0.008	4	4	0	E						i
88	WA	3	TR	CHIN	19887	16586	0.037	0.037	614	614	0	E						i
88	WA	4	TR	CHIN	35230	29382	0.037	0.037	1087	1087	0	E						i
88	WA	4	GN	CHIN	2981	2486	0.000	0.000	0	0	0	E						i
88	WA	4	SP	CHIN	3800	2941	0.008	0.008	24	24	0	E						i

APPENDIX B. Chinook Interception Estimates

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	PROP BOUND FOR OTHER COUNTRY			-- CATCH OF FISH BOUND --			---- INTERCEPTION -----			Notes			
					Adjusted			U.S.		Candn	-- FOR OTHER COUNTRY --						
					Catch	Catch	Est.	Est.	Est.	Diff	CAT	U.S.	Candn				
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	s	t
88	WA	4B	TR	CHIN	15465	14645	0.035	0.035	513	513	0	E				i	
88	WA	4B	GN	CHIN	1966	1854	0.421	0.421	781	781	0	E				i	
88	WA	5	TR	CHIN	32660	30929	0.035	0.035	1083	1083	0	E				i	
88	WA	5	SP	CHIN	18871	17795	0.035	0.035	623	623	0	E				i	
88	WA	5	GN	CHIN	5458	5147	0.421	0.421	2167	2167	0	E				i	
88	WA	5	OG	CHIN	9	8	0.421	0.421	3	3	0	E				i	
88	WA	6	GN	CHIN	2183	2059	0.421	0.421	867	867	0	E				i	
88	WA	6	TR	CHIN	254	241	0.035	0.035	8	8	0	E				i	
88	WA	6	SP	CHIN	21897	20649	0.035	0.035	723	723	0	E				i	
88	WA	6	OG	CHIN	3	3	0.421	0.421	1	1	0	E				i	
88	WA	6C	TR	CHIN	8606	8150	0.035	0.035	285	285	0	E				i	
88	WA	6C	OG	CHIN	9	8	0.421	0.421	3	3	0	E				i	
88	WA	6C	GN	CHIN	2076	1958	0.421	0.421	824	824	0	E				i	
88	WA	6D	GN	CHIN	7	0.056	0.056		0	0	0	E				i	
88	WA	7	TR	CHIN	55	52	0.035	0.035	2	2	0	E				i	
88	WA	7	SP	CHIN	12392	11686	0.035	0.035	409	409	0	E				i	
88	WA	7	OG	CHIN	188	177	0.421	0.421	75	75	0	E				i	
88	WA	7	GN	CHIN	10413	9819	0.421	0.421	4134	4134	0	E				i	
88	WA	7	SE	CHIN	7078	6675	0.421	0.421	2810	2810	0	E				i	
88	WA	7A	TR	CHIN	63	0.035	0.035		2	2	0	E				i	
88	WA	7A	SE	CHIN	6033	5689	0.421	0.421	2395	2395	0	E				i	
88	WA	7A	GN	CHIN	6037	5693	0.421	0.421	2397	2397	0	E				i	
88	WA	7B	SE	CHIN	11438	0.056	0.056		641	641	0	E				i	
88	WA	7B	GN	CHIN	18899	0.056	0.056		1058	1058	0	E				i	
88	WA	7C	SE	CHIN	791	0.056	0.056		44	44	0	E				i	
88	WA	7C	GN	CHIN	1848	0.056	0.056		103	103	0	E				i	
88	WA	7E	SE	CHIN	1112	0.056	0.056		62	62	0	E				i	
88	WA	7E	GN	CHIN	2084	0.056	0.056		117	117	0	E				i	
88	WA	8	GN	CHIN	311	0.056	0.056		17	17	0	E				i	
88	WA	8	SE	CHIN	35	0.056	0.056		2	2	0	E				i	
88	WA	8	SP	CHIN	11715	0.087	0.087		1019	1019	0	E				i	
88	WA	8A	SE	CHIN	426	0.056	0.056		24	24	0	E				i	
88	WA	8A	OG	CHIN	72	0.056	0.056		4	4	0	E				i	
88	WA	8A	GN	CHIN	7486	0.056	0.056		419	419	0	E				i	
88	WA	8D	OG	CHIN	92	0.056	0.056		5	5	0	E				i	
88	WA	8D	GN	CHIN	1457	0.056	0.056		82	82	0	E				i	
88	WA	8D	SE	CHIN	34	0.056	0.056		2	2	0	E				i	
88	WA	9	TR	CHIN	9	0.087	0.087		1	1	0	E				i	
88	WA	9	SE	CHIN	36	0.056	0.056		2	2	0	E				i	
88	WA	9	GN	CHIN	1007	0.056	0.056		56	56	0	E				i	
88	WA	9	SP	CHIN	25629	0.087	0.087		2230	2230	0	E				i	
88	WA	9A	GN	CHIN	34	0.056	0.056		2	2	0	E				i	

U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			Notes		
									-- FOR OTHER COUNTRY --			--- CATEGORY SUMMARY ---					
							U.S.	Candn	U.S.	Candn	U.S.	Candn	CAT	Est.	Est.	Diff	
a	b	c	d	e	f	g	h	i	k	l	m	n	o	p	q	r	t
88	WA	10	SE	CHIN	2320	0.056	0.056		130	130	0	E					i
88	WA	10	OG	CHIN	2	0.056	0.056		0	0	0	E					i
88	WA	10	SP	CHIN	16265	0.087	0.087		1415	1415	0	E					i
88	WA	10	GN	CHIN	36086	0.056	0.056		2021	2021	0	E					i
88	WA	11	SE	CHIN	526	0.056	0.056		29	29	0	E					i
88	WA	11	GN	CHIN	3086	0.056	0.056		173	173	0	E					i
88	WA	11	SP	CHIN	14376	0.087	0.087		1251	1251	0	E					i
88	WA	12	OG	CHIN	58	0.056	0.056		3	3	0	E					i
88	WA	12	GN	CHIN	7548	0.056	0.056		423	423	0	E					i
88	WA	12	SP	CHIN	1930	0.087	0.087		168	168	0	E					i
88	WA	12	SE	CHIN	107	0.056	0.056		6	6	0	E					i
88	WA	13	SP	CHIN	8493	0.087	0.087		739	739	0	E					i
88	WA	13	GN	CHIN	12153	0.056	0.056		681	681	0	E					i
88	WA	13	OG	CHIN	1166	0.056	0.056		65	65	0	E	36230	36230	0		i
89	WA	1	TR	CHIN	3160	0.191	0.191		484	484	0	E					i
89	WA	1	SP	CHIN	6900	0.025	0.025		131	131	0	E					i
89	WA	2	GN	CHIN	4004	0.000	0.000		0	0	0	E					i
89	WA	2	TR	CHIN	41937	0.191	0.191		6424	6424	0	E					i
89	WA	2	SP	CHIN	11600	0.025	0.025		220	220	0	E					i
89	WA	3	TR	CHIN	5789	0.191	0.191		887	887	0	E					i
89	WA	3	SP	CHIN	200	0.025	0.025		4	4	0	E					i
89	WA	4	TR	CHIN	14992	0.191	0.191		2297	2297	0	E					i
89	WA	4	GN	CHIN	790	0.000	0.000		0	0	0	E					i
89	WA	4	SP	CHIN	2500	0.025	0.025		47	47	0	E					i
89	WA	4B	TR	CHIN	17657	0.066	0.066		1153	1153	0	E					i
89	WA	4B	GN	CHIN	1931	0.259	0.259		497	497	0	E					i
89	WA	4B	OG	CHIN	14	0.259	0.259		4	4	0	E					i
89	WA	5	TR	CHIN	38634	0.066	0.066		2522	2522	0	E					i
89	WA	5	GN	CHIN	7148	0.259	0.259		1838	1838	0	E					i
89	WA	5	OG	CHIN	2	0.259	0.259		1	1	0	E					i
89	WA	6	GN	CHIN	408	0.259	0.259		105	105	0	E					i
89	WA	6	OG	CHIN	27	0.259	0.259		7	7	0	E					i
89	WA	6	TR	CHIN	675	0.066	0.066		44	44	0	E					i
89	WA	6C	TR	CHIN	11805	0.066	0.066		771	771	0	E					i
89	WA	6C	GN	CHIN	823	0.259	0.259		212	212	0	E					i
89	WA	6C	OG	CHIN	35	0.259	0.259		9	9	0	E					i
89	WA	6D	GN	CHIN	1	0.038	0.038		0	0	0	E					i
89	WA	7	SE	CHIN	3911	0.259	0.259		1006	1006	0	E					i
89	WA	7	GN	CHIN	4393	0.259	0.259		1130	1130	0	E					i
89	WA	7	OG	CHIN	115	0.259	0.259		30	30	0	E					i
89	WA	7	TR	CHIN	458	0.066	0.066		30	30	0	E					i
89	WA	7A	SE	CHIN	4250	0.259	0.259		1093	1093	0	E					i

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U.S. AND CANADIAN ESTIMATES OF CHINOOK INTERCEPTIONS 1981-1989

YR	Ju	Area	Gear	Spec	Catch	Adjusted Catch	PROP BOUND FOR OTHER COUNTRY		-- CATCH OF FISH BOUND --			----- INTERCEPTION -----			----- CATEGORY SUMMARY -----			Notes		
									-- FOR OTHER COUNTRY --			U.S. Candn			U.S. Candn					
							Est.	Est.	Diff	Est.	Est.	Diff	CAT	Est.	Est.	Diff	o	p	q	r
a	b	c	d	e	f	g	h	i	k	l	m	o	p	q	r	Notes	t			
89	WA	7A	GN	CHIN	3044	3023	0.259	0.259		783	783	0	E					i		
89	WA	7A	TR	CHIN	132		0.066	0.066		9	9	0	E					i		
89	WA	7B	SE	CHIN	5824		0.038	0.038		221	221	0	E					i		
89	WA	7B	TR	CHIN	1		0.105	0.105		0	0	0	E					i		
89	WA	7B	GN	CHIN	38477		0.038	0.038		1462	1462	0	E					i		
89	WA	7C	GN	CHIN	3542		0.038	0.038		135	135	0	E					i		
89	WA	7C	SE	CHIN	167		0.038	0.038		6	6	0	E					i		
89	WA	7D	GN	CHIN	1		0.038	0.038		0	0	0	E					i		
89	WA	7E	GN	CHIN	2283		0.038	0.038		87	87	0	E					i		
89	WA	7E	SE	CHIN	153		0.038	0.038		6	6	0	E					i		
89	WA	8	OG	CHIN	8		0.038	0.038		0	0	0	E					i		
89	WA	8	GN	CHIN	891		0.038	0.038		34	34	0	E					i		
89	WA	8	SE	CHIN	432		0.038	0.038		16	16	0	E					i		
89	WA	8A	SE	CHIN	787		0.038	0.038		30	30	0	E					i		
89	WA	8A	GN	CHIN	7556		0.038	0.038		287	287	0	E					i		
89	WA	8A	OG	CHIN	668		0.038	0.038		25	25	0	E					i		
89	WA	8D	SE	CHIN	47		0.038	0.038		2	2	0	E					i		
89	WA	8D	OG	CHIN	957		0.038	0.038		36	36	0	E					i		
89	WA	8D	GN	CHIN	1602		0.038	0.038		61	61	0	E					i		
89	WA	9	SE	CHIN	131		0.038	0.038		5	5	0	E					i		
89	WA	9	GN	CHIN	38		0.038	0.038		1	1	0	E					i		
89	WA	9A	GN	CHIN	19		0.038	0.038		1	1	0	E					i		
89	WA	10	OG	CHIN	34		0.038	0.038		1	1	0	E					i		
89	WA	10	SE	CHIN	1492		0.038	0.038		57	57	0	E					i		
89	WA	10	GN	CHIN	36007		0.038	0.038		1368	1368	0	E					i		
89	WA	11	GN	CHIN	2382		0.038	0.038		91	91	0	E					i		
89	WA	11	SE	CHIN	586		0.038	0.038		22	22	0	E					i		
89	WA	12	OG	CHIN	20		0.038	0.038		1	1	0	E					i		
89	WA	12	GN	CHIN	7624		0.038	0.038		290	290	0	E					i		
89	WA	12	SE	CHIN	1382		0.038	0.038		53	53	0	E					i		
89	WA	13	GN	CHIN	9877		0.038	0.038		375	375	0	E					i		
89	WA	13	OG	CHIN	1192		0.038	0.038		45	45	0	E	26456	26456	0				

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Notes:

Jurisdiction	Note Description
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AK	a Harvest of Alaskan hatchery chinook.
AK	b Catch of Stikine, Taku, and Alsek chinook.
BC	c Sport catch estimate (fishery officer reports)
BC	d Gillnet catch in extreme terminal area.
BC	e Sport catch in extreme terminal area.
BC	f Estimated catch of Georgia Strait sport catch.
BC	g Barkley Sound sport catch in Alberni Inlet.
WA	h Preliminary.
WA	i Washington area 1 includes Oregon catch north of Cape Falcon.
WA	j WDF sport catch reports.
WA	k Annual WDF salmon landings reports.