APPENDIX F

PROCEDURES USED TO ACCOUNT FOR TRANSFERS OF SALMON BETWEEN AREAS

TABLE OF CONTENTS FOR APPENDIX F

LIST OF APPENDIX F TABLES

PROCEDURES USED TO ACCOUNT FOR TRANSFERS OF SALMON BETWEEN AREAS

1. INTRODUCTION

After the First World War there were growing transfers of harvested salmon from one area to another, reflecting business decisions aimed at increasing processing efficiency and relocation and ownership of processing plants. For this reason, data on quantities of salmon processed in each area increasingly failed to reflect quantities of salmon actually harvested in each area. Responding to this shortcoming, from 1933 through 1950, Dominion government reports provided estimates of landings by area developed from production data, but taking into account transfers of unprocessed fish between areas. Such corrections were not made in the official statistics before 1933.

The purpose of this Appendix is first to document and assess Department of Marine and Fisheries (DMF) procedures to account for transfers of salmon between areas from 1933 onward, second to examine the extent to which omission of data on such transfers prior to 1933 introduced errors into harvest estimates for that period, and third to explain procedures we used to attempt to correct for these transfers.

The basic building blocks of the analysis are archival records of production by processors or by groups of fishermen. The information was provided to DMF on a routine basis by company bookkeepers or was collected directly by Fishery Officers. Section 2 describes the production records for canned pack and products, and using 1933 data for demonstration, illustrates general procedures used by DMF staff to convert production data into the estimates of green landed weight (GLW) by area that were presented in published annual statistical reports of the Dominion Bureau of Statistics (DBS). Sections 3 to 5 describe how we accounted for 1933-1944 transfers in each DMF District.

Prior to 1933, even though the published annual records of harvest were not adjusted to take account of movements of unprocessed fish, DMF staff kept some records of such transfers. Considering such fragmentary records, Section 6 examines the extent to which the published data on landings by areas prior to 1933 might be biased through failure to take transfers into account and describes the procedures we used to adjust for transfers prior to 1933. Section 7 describes DMF's 1945-1950 transfer-adjusted data.

2. VERIFICATION OF DMF'S CONVERSION OF 1933 PRODUCT DATA TO LANDINGS DATA

As a prelude to consideration of data on transfers of unprocessed salmon between areas, we sought a precise understanding of DMF's methods for compiling canned pack and product statistics, and then deriving estimates of catches from the production statistics. Using 1933 data as an example, we verify how statistics for canned packs and other products collected from processors and fishermen were compiled by DMF in order to develop estimates of GLW.

2.1. Basic Forms

Published Annual Statistics, such as those for 1933 illustrated in Table F1, provide compilations of the quantities of seven different salmon products (canned, dry-salted, pickled, fresh/frozen, smoked, mild cured and bait) that were processed in various areas throughout the coastal waters of the Province. Data collected to provide these aggregate figures were compiled using a series of four basic data collection forms: mimeographed Supplemental Schedules completed by company bookkeepers, printed Supplemental Schedules completed by Fishery Officers, Schedule IIs and Schedule 1As (see Section 9 of Appendix B for further description of the forms).

The most basic forms were the mimeographed Supplemental Schedules on which commercial processors recorded the annual quantities of canned and other products processed in their individual establishments (e.g. Table B28 of Appendix B). The compilations included provisions for recording the species composition of salmon used for the various products, information that was never published but which was of immense value to us in the preparation of harvest estimates.

Printed Supplemental Schedules (e.g. Table B23) containing totals for the canned pack and other products put up by each establishment were used by DBS in Ottawa to compile annual production statistics for each area. These forms were apparently completed by Fisheries Officers on the basis of information provided by company bookkeepers on the mimeographed Supplemental Schedules described in the paragraph above. However, the printed Supplemental Schedules did not provide for species breakdowns.

All commercial processors were required to complete mimeographed Supplemental Schedules. There were, however, other channels for trade not covered by the operations of the processing companies. These channels included direct sales by fishermen to fish buyers and the public, particularly in southern British Columbia where such sales accounted for substantial quantities of fish that were sold fresh. Schedule II forms (e.g. Table B27), completed by Fishery Officers, provided estimates of the quantities of such fish "prepared by fishermen" in each area.

Finally, DMF staff prepared Schedule 1A forms (e.g. Table B25) providing estimates of the total weight and value of salmon (and other species) landed in each area. Starting in 1933 these estimates of GLW were adjusted for transfers (see Sections 3-5 below).

2.2. Confirmation of Published Data from Primary Sources

2.2.1. Canned pack and product compilations from primary sources

For the 1933 season, we tabulated production data from the various forms and analysed them to assess their internal consistency and their relationship to material published in the DBS annual report for 1933. The basic approach involved assembling estimates of the quantities of canned packs and other products processed from each of the sources, then converting these to estimates of GLW using conversion factors employed by DMF at the time, and finally comparing the results of these transformations with data in the DBS statistical reports.

Table F2 presents a tabulation of 1933 data from the mimeographed Supplemental Schedules completed by individual processors. The first two columns on the left of the table list DBS statistical areas (numbered rows in their reports) and equivalent modern DFO statistical areas. Rows represent data for a single "species"[1] for a specific company (see footnote to the Table for species codes). Companies have been numbered from 1 to 108 to preserve the confidentiality of their data; companies that did not include data on salmon production have been excluded from the table.

Table F3 presents consolidations of data from Table F2 including summaries by area (rows), species (columns) and product (parts "a" to "h"). The columns present data on the magnitude of the canned pack (in cases) and on the quantities of other products processed (in cwt) for each species. In Table F4 we convert the product data into estimated green landed weight (GLW) using the standard conversion factors (Appendix Table D8). The upper panel of the table provides a summary of the canned pack and other product data for the Province as a whole; the lower panel provides area and species breakdowns for GLW.[2] Product totals (second to last row in part "a") are the same as those provided in the DBS report (see row 1 of Table F1) except for fresh/frozen and bait which, in Table F4, excludes quantities of these products that were prepared by fishermen.

The Supplemental Schedules do not provide data on the species composition of bait. Some companies provided such information in other years but not in 1933.

Tables F5a and F5b summarise data from the printed Supplemental Schedules for 1933 that were prepared by Fisheries Officers. It will be noted that the total amounts for each product in this table are identical to the unadjusted totals we calculated in Table F4, as are the "apples and oranges" totals of cases plus cwt (i.e. 1,488,631) at the bottom of these tables. We conclude that the tables completed by the Officers represented summaries assembled from the information prepared by companies on the mimeographed Supplemental Schedule forms (data reproduced in Table F2) described above.[3]

As outlined previously, data on the mimeographed Supplementary Schedules covered non-canned products prepared by processors. In addition, products (almost all fresh fish) "prepared by fishermen" and sold directly by them to the public or retailers were estimated by Fishery Officers for each area and the data recorded on Schedule II forms. Data from Schedule II forms for the 1933 season are summarised in Table F6.

---

1. On these Supplemental Schedules chinook were recorded by flesh colour and size e.g. red spring, white spring, jack spring (<5 lb). Small coho are referred to as bluebacks.

2. These data are used later in the transfer analysis. Note that salmon roe has been excluded from the grand total GLW; this was standard DMF/DBS practice since roe was a byproduct and thus was accounted for in the grossed-up amounts for other products. Note also that, for the most part, from 1933 onward the companies provided product data by species, thereby largely eliminating the need to use any global species composition data to convert total GLW to GLW by species.

3. The Schedule for company 13 in District I contained a footnote stating that 14 cwt of "salmon eggs - bait (was) ... specially put up in glass bottles for shipment to various places where it is sold to anglers." Since eggs were a byproduct, this item was not included in the DBS publication under bait; surprisingly, it was also omitted under roe in the DBS report (see roe data for District I in Tables F1 and F2).

The top panel of Table F7 reproduces the data that were published in the 1933 DBS report (from Table F1). The bottom panel combines our analyses of the primary data from Tables F4 to F6 and shows the total weights of each product, by area of processing, as in the top panel. It will be noted that, with the exception of two entries for fresh/frozen product (resulting in a total difference between the published and original data of only 1,441 cwt), the data from the primary sources and DBS's published statistics are identical.

For the entire Province, the estimated total GLW by DMF was 1,410,504 cwt (see data column 1, top panel of Table F7). Application of conversion factors in Appendix D to our summary of primary canned pack and product data provided an estimated total landed weight for the Province of 1,410,591, almost identical to the published total (see total for "Calculated GLW" in the lower panel of Table F7). The closeness of the two totals confirms our interpretations (summarised in Appendix D) of conversion procedures used by DFO statisticians prior to 1951. Furthermore, as will be discussed below, it is apparent that the minor discrepancies were incorporated by DBS in their published GLW data but not in their published product data.

2.2.2. Minor differences between published and primary data

Further study of the data provided the explanation for the minor discrepancies discussed in the preceding section. The first inconsistency involved a difference of 500 cwt for fresh/frozen salmon in DBS area 21. This was a correction to Schedule II for area 21 (hand written in Table F8) that probably was not received in time for publication in the DBS report.

The second inconsistency involved fresh/frozen salmon in DBS area 3 (i.e. Fraser River/District I) where the total for fresh/frozen salmon was 941 cwt higher on the Schedules than in the DBS report. A thorough search of the documents revealed a footnote at the bottom of Schedule 1A for District I (Table F9) stating that 941 cwt of sockeye, imported for canning from the U.S, was included in the landed weight of salmon in District I. Presumably these fish were canned by one of the companies that submitted Supplemental Schedules, although there was no mention of this on the Schedules. Surprisingly, DBS subtracted the 941 cwt of sockeye from fresh/frozen salmon, rather than from canned salmon, even though, as shown in Table F3, companies reported only 192 cwt of sockeye marketed fresh in District I (to our knowledge DBS did not have copies of the mimeographed Supplemental Schedules from companies containing species breakdowns, so would not likely have known the species composition of fresh/frozen salmon).

A search of correspondence and DMF worksheets summarizing data on canned and fresh production for 1933 (Table F10) failed to provide an explanation of how the imported sockeye were accounted for in records for that year. Furthermore, DBS did not reduce GLW by the amount of imported sockeye (compare GLWs for DBS area 3 in Table F7 part "a" first data column second to last row and Table F9 third entry in column 2), but did so reduce the amount of fresh/frozen salmon (compare area 3 totals in parts a and b of Table F7). This suggested that all was not quite as it seemed. A solution to the puzzle begins to appear, however, if we assume that in the footnote "(note included in above figures)" on the Schedule 1A for area 3 (Table F9) should have read "(*not* included in

above figures)" [underlining and italics added by the authors]. Then, altering fresh/frozen, but not canned, follows if DBS assumed (incorrectly as we observe above) that the 941 cwt was recorded on the Supplemental Schedules both as fresh salmon, since fresh was likely the form in which it was imported, and as canned salmon, the form in which it eventually ended up. Under these circumstances it would be logical for DBS to delete an amount they considered was double counted, i.e. as fresh/frozen and canned products, and to leave the canned pack alone since this was the form in which the sockeye were marketed. Alternatively, if DBS statisticians believed that the 941 cwt were first landed in the United States, and therefore were not, and should not have been included in the GLW for District I, then DBS would be correct, given the footnote as written, in reducing fresh frozen product, thus correcting for a presumed error by Fishery Officers, and not altering GLW since the sockeye were not landed in District I. We have ignored imports from the United States on the basis that the second explanation is correct.[4]

2.3. Summary

From the foregoing, it is concluded that 1933 schedules in archival files of the DMF were the original data from which the DBS published statistics for Pacific coast salmon and steelhead landings were calculated. Analyses of information for 1923 and 1946 gave similar positive results. On the basis of these reassuring checks, we moved on to the next stage of their analyses, namely the study of procedures used by DMF for accounting for transfers of raw material between areas. We start with District II because this district had the most complete set of available data with which to illustrate our procedures.

3. TRANSFERS OF UNPROCESSED SALMON, DISTRICT II, 1933-1944

The treatment of the transfer data by DMF staff and our consideration of these data varied somewhat between administrative Districts. For this reason, separate coverage is provided for District II (the North Coast – this Section), District III (Vancouver Island and the adjacent Mainland - Section 4) and District I (the Fraser River and Howe Sound - Section 5).[5]

3.1. Basic Approach

Having established GLW values for fish processed in each area, we now turn to procedures used by DMF to adjust for transfers of raw material between areas in order to estimate fish caught and landed within areas. The algorithm for determining the net harvest in each area is, in principle, quite simple:

GLW CAUGHT IN AREA = GLW PRODUCED IN AREA - GLW SHIPPED INTO AREA + GLW SHIPPED OUT OF AREA

---

4. For a number of years between 1889 and 1913 the Fraser River canned pack of sockeye included small amounts of sockeye that had bee caught by United States traps at Point Roberts (Gilhousen 1992).

5. Main text Figures 1 and 3 show the boundaries of the Districts referred to in this Appendix .

where, GLW PRODUCED IN AREA is the landed weight calculated from the canned pack and products that were put up in the area, GLW SHIPPED INTO AREA is the landed weight of salmon and steelhead shipped into the area for processing from other areas, and GLW SHIPPED OUT OF AREA is the landed weight of salmon and steelhead that were shipped from the area to other areas for processing. Analyses of transfer data for the post-1932 period for District II are outlined below.[6]

3.2. Available Records

As outlined in the main text of this report, the chief deficiency of the published statistics prior to 1951 is that they do not provide species breakdowns for individual areas. It is known that DMF Fishery Officers from the 1930s through the 1940s compiled estimated catches by species (in cwt) and by area, which were consolidated by Percy Wickett (Anonymous 1963). Portions of the original material for this consolidation were found in archival files. The most complete of these were tables from DMF's Prince Rupert Office which provided data on catches and also assessments of the extent of spawning for each area for 1930-1954, referred to as the "Prince Rupert" data throughout this paper, an example of which is illustrated in Table F11. Comparison of the Prince Rupert data with the data compiled by Wickett reveal that, aside from minor inconsistencies that appeared to have resulted from transcription errors, omission of steelhead, and occasional omission of bluebacks (small coho) in the data provided to Wickett, the two data sets were identical.

Along with the Schedules discussed in detail in Section 2 above, DMF files for the 1930s and 1940s contain a series of worksheets developed in order to estimate the quantities of fish transferred between areas. The origin of data included in the worksheets is not known, but the information most likely was provided to DMF Fishery Officers by company bookkeepers. Table F12 reproduces the 1933 worksheets for District II (similar District II worksheets are available for most years between 1933 and 1944). The worksheets provided information on the quantities of each species (in cwt or cases, abbreviation "cs") that were transferred into and out of each area.

3.3. Comparison of Estimates of Landings Adjusted for Transfers

The following analysis of 1933 data was conducted to study the relationship between the GLW we estimated from our transfer analysis of the raw data, using the basic computational algorithm described in Section 3.1, the DMF Prince Rupert data for salmon and steelhead GLW by species and area, and the published records of total salmon GLW contained in annual DBS reports.

The raw 1933 transfer data for District II in Table F12 are summarised in Tables F13 to F18 (one table for each species). Data in each row reflect transfers out of an area, whereas data in each column reflect transfers into an area. District I (Fraser River, DBS area 3) and Cape Scott to Tuna Point (DBS area 17) are included because District II salmon were shipped to these areas. Alaska was included because some salmon were

---

6. It should be noted that, although the present section deals with the post-1932 period, as discussed in section 6.2.3., for District II transfer adjusted landings are available back to 1930.

shipped from there into District II. All canned pack data have been converted from cases to GLW (in cwt) using a conversion factor of 0.84 cwt per case. Values in the column on the far right titled "Net Into/(Out)" show net movement of fish for each area; these values equal column totals less row totals. Negative values (in brackets) indicate a net movement of salmon out of an area.

The comparison proceeds as follows. Part b) of Table F4 in Section 2 above listed the green landed weights of each species that were processed in each area within District II. These data, which we prepared from the primary information, are reproduced again as Panel A of Table F19.[7] The net transfer data developed in Tables F13 to F18, as described in the preceding paragraph, are listed in Panel B of Table F19. In Panel C, the estimated catch of salmon in each area (regardless of where processed) is obtained by subtracting the totals in Panel B from those in Panel A. Panel D in Table F19 contains GLW, adjusted for transfers, listed in the DMF tables that were obtained from Prince Rupert as described in Section 3.2 above.

Comparison of Panels C and D shows that the estimated catches derived from the transfer data are very similar to those in the Prince Rupert archival record. To compare the two sets of data further, each element of the Prince Rupert data from Panel D of Table F19 has been divided by the comparable element from Panel C (Table F20). The comparison shows that in 57 of 60 cases the two data sets differ by less than one percent, and in only two of these cases were the differences more than five percent. Most of the minor discrepancies can be attributed to rounding or arithmetic errors by DMF. It would appear that the 2,703 cwt difference between DMF's and our transfer analysis for area 10 reflects a correction that DMF made some time after DBS data were published, since the DBS total for area 10 and our transfer analysis total for this area differed by only 191 cwt (51,548 cwt in Table F1 compared to 51,357 cwt in Panel C of Table F19). This small difference was due to our exclusion of bait in the transfer analysis. It would also appear that, at a later date, DMF corrected the Skeena River GLW for chinook by 1,417 cwt; this accounts for most of the 1,451 cwt difference in total GLW for Skeena River between DMF's transfer data and our transfer analysis for 1933 using FRC archival material.

The top ten rows of Table F21 provide a comparison of three different estimates of total GLW for areas within District II, derived from the various sources cited above. The first column of data lists estimates of GLW from the DBS statistical report for 1933, the second column of figures lists the sum of GLW from DMF Schedule 1A and Schedule II forms, the third set of estimates in column four was derived by the authors through the 1933 transfer analysis. Analysis of the District III (DBS areas 17-28) and District I (area 3) data in Table F21 is left to Section 4 below.

For District II, the table indicates that data in the DBS annual report and from the Schedules were identical. A few differences existed between data from the DBS report and our transfer analysis using original source data. Most of these differences, however,

---

7. Note that 196 cwt of salmon used for bait in area 10 were omitted because of lack of information on species composition.

were minor and likely due to rounding or to arithmetic errors by DMF. The 191cwt difference for area 10 was, as mentioned, due to our exclusion of bait from the tabulations (see footnote 7 of this Appendix). The difference of 1,451 cwt for DBS area 8 was apparently due to an error on the original DMF transfer worksheets (Table F12), since GLW for DBS area 8 from the DBS report, the Schedules, and the DMF summary table (Table F22), were all identical. It is likely that the transfer worksheets were preliminary, judging from the amount of handwriting on them, hence more likely to contain errors.

In addition to the data sources cited above, information on salmon production and catches throughout the history of the salmon fishery has been provided in the DFO Statistical Basebook (No. 3) published in 1958 (Anonymous 1958). For canned salmon production, for various statistical areas, the Basebook provides estimates of production in individual areas (regardless of where caught) and of production from individual areas (regardless of where processed). For District II in 1933, Table F23 compares transfers derived from the Basebook figures of production in and production from District II areas (last column), with information on transfers derived from the authors' transfer analysis based on DMF worksheet data (canned pack data in Table F12). For the areas for which the Basebook provided canned pack data for 1933 (Nass River, Skeena River and Rivers and Smith Inlets), the compilations of transfers are identical.

3.4. Summary

From the foregoing analyses and comparisons of 1933 data from various sources (and several data sets for later years), we have reconstructed the process by which DMF compiled quantities of canned and other products for each area along the north coast of British Columbia (District II), and the process by which DMF estimated the amounts of salmon and steelhead caught and landed in each area through 1950. We have established that data provided by processors on the canned packs and other products processed at each facility (on Supplementary Schedule forms), and provided by Fishery Officers for quantities of salmon prepared by fishermen (on Schedule II forms) were the basis for the DMF compilations. In order to provide estimates of GLW within areas, allowances had to be made for transfers of raw material between areas. This was done by adjusting the processing data using information provided by processors on the quantities of raw product they received from outside the area their plants were located in. Estimates of total production in GLW developed by making such adjustments were summarised on Schedule 1A forms. The data in these forms in turn formed the basis for total weights of salmon caught and landed in each area, which were then published in DBS Annual Reports.

The Supplemental Schedules prepared by processors contained species breakdowns for each product. We established that these data for each species, along with estimates of transfers by species, were used by DMF to prepare unpublished tables (obtained from DFO's Prince Rupert office) of green landed weight by species and area for individual areas in District II. There were only minor differences between annual totals of GLW by area from the unpublished Prince Rupert data and from the published DBS data. We conclude that the unpublished Prince Rupert data for the period 1933 to 1944 represent a thorough attempt to fully take into account transfers between areas and as such are the best available record of annual landings of each species in each District II area.

4. TRANSFERS OF UNPROCESSED SALMON, DISTRICT III, 1933-1944

4.1. Background

For District III, comprising Vancouver Island and adjacent mainland areas (DBS areas 17 to 28), summary information on transfers of raw product is not available in as great detail as it was for District II to the north. Whereas District II transfer worksheets (e.g. Table F12) provided breakdowns by species, comparable worksheets for District III did not (e.g. Table F24). This probably explains why there were no District III tables of GLW by species and area similar to those found for District II in the Prince Rupert archives (e.g. Table F11).[8]

Although data for District III are incomplete, DMF archival files for the District at the Federal Record Centre did contain a mixture of "Statements" (e.g. Table F25), correspondence (e.g. Table F26), worksheets (e.g. Table F27) and Appendices to the mimeographed Supplemental Schedules (e.g. Table F28),[9] each of which contained some data on species composition of transfers. Data such as these, in combination with canned pack and product amounts from the Schedules, were sufficient for reconstructing District III landings by species and area for 1933-1944, adjusted for transfers. Sections below detail the adaptations of DMF procedures that we used to develop our harvest estimates for the period.

4.2. Data for 1933

As described in Section 3, for District II, we selected 1933 as the example year for our examination of DMF procedures for estimating catches by area and species. Unfortunately, there were deficiencies in the transfer data for District III for that year, which gave DBS a number of problems in preparing its annual published report that year. As discussed in Section 2 above, Schedule 1A forms provide Fishery Officers' consolidated estimates of the total quantities and values of fish landed in each area. As shown in Table F21 for District II, GLW figures for each area in the published DBS reports were identical to the figures submitted by Fishery Officers on Schedules 1A. As also shown in Table F21, however, there were substantial differences for half of the District III areas (DBS areas 17 through 21, and 23) between the published figures and the Schedule data.

In a June 1934 DMF memorandum (Table F29), the anonymous author noted that these differences reflected corrections made by DBS as a result of inconsistencies in the original District III data submitted from Pacific Region. Apparently DMF could not account for approximately 46,000 cwt of salmon shipped out of District III areas

---

8. Statistical material in Anonymous (1963) contained some District III breakouts by species and area, but for the most part totals for GLWs per area were substantially less than those published for District III areas by DBS, suggesting that the data used in making the compilations in Anonymous (1963) were incomplete.

9. The first Appendices to the Supplemental Schedules were found in the 1937 file for District III. In 1935 and 1936, a few companies included transfer information at the bottom of page four of the mimeographed Supplemental Schedules (e.g. Table B28). Prior to 1935, it would appear that District III Fishery Officers obtained most transfer information directly from company bookkeepers.

(compare comments in Table F29 with data in Table F22). DMF suggested that the discrepancy be adjusted for by increasing "pro rata" the "caught and landed [GLW]" for all District III areas. The suggestion of prorating, however, was not followed by DMF, although the adjustments DBS made to selected District III areas did total exactly 46,000 cwt (Table F21). Apparently it was decided later that the bulk of the unaccounted cwt were from the Johnstone Strait and Strait of Georgia areas. The changes increased GLW in the Strait of Georgia by 57 percent, GLW in Johnstone Strait by 4 percent, GLW on the West Coast of Vancouver Island (WCVI) by 8 percent, whereas GLW in Juan de Fuca Strait remained the same (Table F21). In any event, the alteration in the data between the original submission of data from the Region and the final publication of data by DBS provides an interesting insight into the procedures used by DMF for arraying and analyzing the catch information.

Because of these discrepancies for the example year, we selected another year, 1939, for which the data were less equivocal and more complete, to illustrate the procedures used to adjust District III landings for transfers.

4.3. Data for 1939

4.3.1. Analytical procedures

Lacking comprehensive summary material for District III such as that available for District II, estimates of the GLW of each species in each area were developed by prorating the published data on GLW (not broken down by species) on the basis of archival information on species composition contained in statistical forms, tables in the statistical files, and in correspondence (e.g., Tables F24 to F28). It will be remembered that the published total GLW data were adjusted for transfers by DMF from 1933 onward.

The first task was to determine the completeness of information contained in mimeographed Supplementary Schedules which cover the production from processing facilities. All canned pack and non-canned product data for each species from the Schedules for each facility were entered into Lotus 1-2-3™ files. Summaries, similar to Tables F3 and F4, were prepared for each year so that data from the Schedules could be compared with those in the DBS report. Where the Supplemental Schedule data were complete, the species breakdowns provided the quantities of canned and other products for each area and species. In the few cases where Supplemental Schedule data for each species were incomplete or missing, species compositions from available data were used to prorate DBS totals to species, or else species compositions developed in Appendix E were used to partition the DBS canned pack/product totals by area to species.

The second step was to determine the amounts of each salmon species that were reported in aggregate on Schedule IIs (quantities of salmon prepared by fishermen).[10] Species

---

10. Schedule II fresh salmon prepared by fishermen and sold locally accounted for most of the total fresh/frozen salmon in District III, whereas in District II, small amounts of Schedule II fresh salmon were put up only in the Skeena River area.

composition data were available for many areas on worksheets from the District III files (e.g., "Bought and sold fresh by Fish Buyers" and "sold fresh locally"; see page 2 of Table F27); otherwise Schedule II salmon were allocated to species following methods described in Section 3.1.1 of Appendix E.

The third step was the transfer analysis described below.

4.3.2. Example transfer analysis for 1939.

4.3.2.1. Transfer accounting procedure

To begin the District III transfer analysis, we constructed worksheets such as those illustrated by Table F30. On the right are the DMF totals of salmon and steelhead "Shipped Out", salmon and steelhead "Shipped In", and salmon and steelhead recorded on Schedule II forms (from Table F24 - similar tables were available for each DBS area and year).

There were some minor errors in the DMF data. For example, on page 2 of Table 27 the total of Schedule II salmon and steelhead "Bought and sold fresh by Fish Buyers" for area 17 ("Cape Scott-Tuna Point" in the DMF worksheets) in 1939 was actually 13,607 cwt, not 13,517 as was incorrectly totalled on the table. There were several instances where transfer data from DMF Fishery Officers in the field totalled more or less than the amounts DMF statisticians recorded on the summary worksheets. For example, compare totals shipped out in Table F25 (13,946 cwt) with Table 24 data (9,376 cwt) for the Cape Scott-Cape Cook area (Quatsino). Since we had no way to determine whether these differences were due to arithmetic errors, transcription errors, or to incomplete information sent by the Fishery Officers, we decided to treat the source data (e.g. Tables F25-F28) as "samples" and prorate DMF totals in Table F24 using species compositions based on the sample data. We used this procedure for the shipped in, shipped out and Schedule II categories throughout the analysis of District III transfers. By following this approach, our totals are the same as those in Table F24 (except for rounding), but the species totals often differ from those in the source data. The abbreviation "adj" on the left in our worksheets (Table F30) indicates that the species totals have been prorated (adjusted).

There were a few situations where assumed species compositions had to be used because of missing transfer data. For instance, for area 22 in 1939 (Table F30) it was assumed that salmon shipped into Victoria from the west coast of Vancouver Island were evenly divided between chinook and coho, based on species compositions for salmon shipped to Victoria in 1938 and 1940. Finally, when there were no Schedule II data, average species compositions from Table E22 in Appendix E were used; this was noted on the worksheets (e.g. areas 21 and 22 in Table F30).

4.3.2.2. Landed weights by species

In the next step, the transfer and Schedule II data from our worksheets were combined (Table F31). Unfortunately, it was not possible to show the destination of each area's transfers, as in Tables F13 to F18 for District II, due to the inexact nature of most District

III transfer data; nevertheless, information was sufficient to calculate net transfers, by species, for each area.

The final step was to prepare a table of GLW, by species and our major areas (Johnstone Strait, Strait of Georgia, Juan de Fuca Strait, WCVI in Table F32),[11] by adding landed weights from:

1) canned packs and other products,

2) locally sold salmon recorded on Schedule II forms ("Fresh Fish GLW"), and

3) net transfers ("Net TSF GLW").

Annual GLWs from tables such as Table F32 for 1939 were copied to main text Tables 33 through 36.

There were a few cases where GLW from the District III transfer summaries (Table F24) and GLW in the DBS reports did not agree (e.g. for 1939, area 17, comprising Cape Scott to Tuna Point: DMF = 224,498 cwt, DBS = 231,125 cwt). These differences were always relatively small, but were next to impossible to resolve because DMF files for District III did not contain amended data. We suspect that statisticians at Vancouver headquarters of DMF were responsible for the amendments. They likely had copies of data for each District and so would have been in a better position to correct errors or omissions, which they would then have forwarded directly to DBS. Unfortunately, few of these revisions were found in the archive files. In all of these cases we accepted the DMF numbers for our landed weight calculations on the assumption these were late amendments that DBS had not incorporated in their published statistics.

4.3.3. Special Procedures for 1933 and 1941

The procedures outlined above were used for most years between 1933 and 1944. There were two years, however, 1933 and 1941, when procedures differed. In 1933, canned pack and product statistics posed no problems, but as outlined in Section 4.2 above, data on transfers were another matter. Judging from the 1933/1934 correspondence, the transfer bookkeeping system was poorly understood by DMF personnel from District III. As a result, few useful data were received from officers in the field and transfer summaries were not prepared. We did manage to salvage some 1933 species composition data for the larger areas of this report. To use these data, it was assumed that the difference between DBS's GLW and GLW based on grossed-up products and canned packs, were fish that were transferred out of District III. These net transfers were multiplied by species compositions and the results added to GLW by species from other product and canned pack figures to give an estimate of GLW by species and area, adjusted for transfers. The system worked after a fashion for Johnstone Strait, Strait of Georgia and the WCVI, but did not work for Juan de Fuca Strait where there was a net

---

11. DBS areas making up our major areas for District III in 1939 were: 17 and 18 for Johnstone Strait, 19 through 21 for Strait of Georgia; 22 for Juan de Fuca Strait; and, 23 through 28 for West Coast of Vancouver Island. Appendix C describes the groupings of DBS and DMF area names into the 10 major areas used in this report.

transfer of salmon into the area. For Juan de Fuca Strait, we used data compiled by Wickett (Anonymous1963) since total GLW from this source agreed with that in the DBS report. Schedule II data were also difficult to sort out for 1933, so we used 1927-1930 average species compositions (Table E23 of Appendix E) to allocate Schedule II salmon to species.

In 1941, the Appendix to the Supplemental Schedule for the B.C. Packer's plant at Kildonan on the WCVI was missing. This eliminated the bulk of transfer data between the West Coast areas and areas in Districts I and III. Fortunately, DMF had prepared an analysis captioned "Summary of Catch in Statistical Areas of District 3 1941". Since total GLWs for each area from this analysis were similar to DBS totals for each area, it was concluded that the DMF analysis accounted for transfers. The DMF data were then used to construct species compositions, which were applied to DBS total GLWs in order to estimate GLW by species and area for this report.

4.4. Comparison of Transfer Analyses for District III in 1940

DMF files for 1940 contained a summary table of landings by species for District III (Table F33). It was of interest to compare this table, prepared by DMF field staff at the time, with the results of our calculations. Table F34 makes such a comparison. Data are presented for the four major areas of District III. In fourteen of twenty-three comparisons, the ratios of DMF to calculated GLWs were between 0.9 and 1.1, an additional five ratios were between 0.7 and 1.3, and five were less than 0.7 or greater than 1.3. The latter five comparisons involved species for which landings were minor. In these cases small misallocation of dominant species would have resulted in disproportionately large changes to minor species.

In general, the level of agreement between the two 1940 data sets was encouraging. However, 1940 was the only year for which District III data were found in this form in the archive files. It is possible that DMF's analyses for other years have simply been lost. We feel, however, it is more likely that DMF field officers in the District placed less emphasis on detailed species by species information than did their colleagues in District II. It is also likely that detailed information on transfers in District III were more difficult to obtain, and the fisheries and processing establishments in District III were more dispersed than in District II. The proximity of many District III fisheries to the highly concentrated processing plants in District I (which would have been the main recipient of transferred fish from District III) undoubtedly added difficulties to keeping track of unprocessed fish movements out of the District.

4.5. Summary

We carried out the transfer analyses outlined in Section 4.3 above to provide estimates of landings by species by area for District III for the 1933-1944 period. From information presented in Sections 4.2 through 4.4 above, it is evident that whereas, on an aggregate tonnage basis (i.e., not broken down by species) the figures will be consistent with published DBS totals (As explained in Section 4.3.2.2 of this Appendix, there were several instances where we used DMF total GLWs), the estimates of landings broken down by species will not be as reliable as those developed on a painstaking basis by DMF officers for District II. Nevertheless, the comparison of 1940 data we derived with

DMF's transfer-adjusted figures on landings by species (discussed in Section 4.4) are encouraging and suggest that our estimates of landings by species in fishing areas of southern British Columbia outside the Fraser are reasonably accurate.

5. TRANSFERS OF UNPROCESSED SALMON, DISTRICT I, 1933-1944

5.1. Background

Detailed data on transfers associated with District I (Fraser River, New Westminster, the greater Vancouver area and Howe) were even more skeletal than those for District III. The sparseness of archival material for the historically important Fraser River District suggests strongly that a substantial part of the District's statistical record may have been lost.[12] Faced with lack of file data, we derived estimates of Fraser catches by species by partitioning the published DBS GLW figures among species on the basis of information contained in official statistical schedule forms and, in some cases, on outside sources such as the paper by Rounsefell and Kelez (1938) on fisheries in the approaches to the Fraser River and the DFO Statistical Basebook (Anonymous 1958).

5.2. Canned Pack

The first step was to obtain canned pack statistics. For District I for 1934 through 1944, Anonymous (1958) tabulates packs of canned salmon and steelhead by species, processed from fish landed in the District (i.e., adjusted for transfers of raw fish in and out of the District - see Table 15 in the Basebook). Rounsefell and Kelez (1938) provided similar, transfer-adjusted data for Fraser sockeye, pink and coho in 1933. Table 16 in the Basebook lists the total pack, by species that was put up on the Fraser from salmon and steelhead landed on the Fraser and elsewhere.

Pack data (in cases) from Basebook Table 15 and from Rounsefell and Kelez are reproduced in Table F35a. Transfers are accounted for by species in the pack statistics for 1934 to 1944 and in the pack statistics for sockeye, pink and coho in 1933. By not accounting for chum, chinook and steelhead transfers in 1933, packs of these species are likely overestimated due to inclusion of transfers into District I.

Canned packs from Table 16 in Anonymous (1958) are reproduced in the top portion of Table F35b. The ratios of adjusted to unadjusted canned packs (transfer adjustment factors for canned salmon) are in the lower portion of Table 35b. For sockeye, ratios close to 1.0 mean that most of the sockeye canned in the Fraser area came from sockeye that were caught and landed on the Fraser. A similar conclusion can be drawn for chinook and steelhead (in most years). On the other hand, chum and coho ratios around 0.3 translate to around 70% of the Fraser area pack originating from landings outside

---

12. When the International Pacific Salmon Fisheries Commission (IPSFC) was formed in 1937, Commission staff obtained very detailed records of catches of sockeye in the Fraser River by day. Even as late as 1957, when IPSFC assumed responsibility for management of pink salmon fisheries in the Fraser Convention area, the staff was able to obtain similar daily records for pink catches back into the early 1940s. Further research on the sources of such detailed records might be rewarding. To date, however, we have been unable to unearth such archival material and have tentatively concluded that much statistical material was discarded when DMF files were sorted for shipment to the archives.

District I. Pink salmon packs on the off-cycle year for Fraser River stocks (even years), clearly originated almost exclusively (>99%) from fish caught in other areas. For the odd-years, between 19% and 65% of pink salmon packed on the Fraser were caught and landed there.

5.3. Non-Canned Production

For products other than canned salmon, statistics for 1933 to 1944 were compiled from the same Supplemental Schedule and Schedule II forms that were used to produce the product totals in the DBS Annual Reports. These data were entered into spreadsheet files following methods described in Section 2.2 above. Annual totals for each product from the Schedules were the same as annual totals in the DBS reports; the Schedules allowed fresh/frozen to be broken into the categories "prepared by companies" and "prepared by fishermen". Annual species compositions were calculated for each product in the manner described in Section 3 of Appendix E and then were applied to the GLW from products.

Since data for products other than canned salmon were not adjusted for transfers, but canned pack data were, the approach taken first involved calculation of product GLW, adjusted for transfers. We compared two approaches for this task. Different assumptions underlie each approach.

For the first method we subtracted the GLW for canned salmon, adjusted for transfers, from the DBS total GLW for District I that also had been adjusted for transfers. This left the total quantity of salmon caught and landed in District I that went into non-canned products (column labelled "Difference" in Table F36a). This residual quantity then had to be allocated to species. For this analysis it was assumed that the species composition of products processed on the Fraser from salmon caught on the Fraser was the same as the species composition of products processed on the Fraser from salmon landed on the Fraser and elsewhere. Product amounts in Table F36a were converted to GLWs based on the annual species compositions for each product from Appendix E (Table E21). The resulting GLWs by species, converted to proportions, were multiplied by the residual GLWs in the "Difference" column to provide estimates of GLW by species for products, adjusted for transfers (right side of Table 36a).

This approach resulted in a negative value for product GLW in 1941 and relatively high even-year pink salmon GLWs, between 50 and 450 mt. High even-year pink GLWs for products likely resulted from transfers of pinks from fisheries in Johnstone Strait. It is unlikely that these were from even-year District I stocks, as there are no records since the 1940s of even-year catches of this magnitude (Jim Woodey, Senior Scientist, Pacific Salmon Commission, pers. comm.), and earlier even-year catches (1926-1934) reported by Rounsefell and Kelez (1938) were one fifth to an order of magnitude lower. As a result of these anomalies we looked for an alternative approach that might better account for transfers of salmon destined for products.

For the alternative approach we added the unadjusted GLWs by species from the canned pack and products (parts 1 and 2 in Table 36b) and adjusted the totals for transfers using the canned pack adjustment factors (Table F35b). Here we are assuming that transfers had the same effect on the amount of each species used for canning and products. In other words, if 90% of the canned chum resulted from transfers, that same percentage

applied to chum used for products. The resulting adjusted total GLWs (part 3 in Table F36b) differed somewhat from the DBS total GLWs (+63% to -27%, average 1%). We scaled each of the adjusted GLWs by species so that the totals were the same as the DBS total GLWs (part 4 in Table 36b).

This approach resulted in lower, more realistic even year pink salmon landings and landings of chum, coho and chinook that were more in line with District I landings from 1945 to 1950, which had been adjusted by DMF for transfers. For these reasons we accepted the second set of GLW data as the best measures of District I landed catch from 1933 to 1944. These data are included in main text Table 37.

6. TRANSFERS OF UNPROCESSED SALMON PRIOR TO 1933

As outlined in Section 1 above, prior to 1933 in Districts I and III and 1930 in District II, DMF published figures on landings by area were based solely on statistics of the quantities of salmon processed within each area. The estimates therefore do not take transfers into account. However, for at least a decade before 1933, the historical record provides evidence that after capture and landing the transfer of fish amongst areas was occurring with increasing frequency.

It is important to note that in order to carry out our transfer analyses prior to 1933 we had to assume that there were no transfers between District II, and Districts I and III combined. In other words when discrepancies arose between our transfer adjusted total GLW and the DMF total GLW (i.e. all species combined) , we scaled our results so our total GLW equalled that of DMF within each of District II and District I/III.

Below we assess the direction and magnitude of biases that are introduced by using unadjusted figures for the pre-1930/1933 period as estimates of actual harvests in each area, and make corrections for transfers where the data warrant. In each case we only adjusted the annual harvest in mt and numbers of fish in the main text summary tables (bold and italicised data in Tables 44 to 53) so as to ensure that the data in the intermediate canned pack, product and hundredweight tables remained consistent with the DMF/DBS published record (see main text Section 2.1.4).

6.1. Transfers Adjustments Prior to 1920, All Districts

In the early years of the fishery it is likely that most of the fish used for processing at individual establishments had been caught in the immediate vicinity since the fishing vessels were small, lacked sufficient power and preservation equipment, and were not very mobile. As indicated by descriptions of industry operations in DMF Annual Reports and other narrative accounts (e.g. Cobb 1921, Lyons 1969, Forrester and Forrester 1975, Stacey 1981), the location of processing establishments was dictated by availability of the resource. Thus it is assumed that in the early years of the fishery (at least until approximately 1915), the product and canned pack data processed in each of our ten areas in general provide an accurate measure of the magnitude of the landings in each area.

There were, however, a few instances in the historical written record where this clearly was not the case. We generated estimates of transfers in these instances in order to correct the unadjusted DMF/DBS landings data for transfers.

6.1.1. Queen Charlotte Islands transfer adjustments for 1915-1916

Evidence of transfers from the Queen Charlotte Islands is based on narratives in DMF Annual Reports describing chinook[13] being taken by packers from the Queen Charlotte Islands for processing elsewhere. In the 1915 Annual Report, Fishery Overseer Harrison, reporting on the 1915 troll season off the north coast of the Queen Charlottes, described how

> ... *hundreds of fishermen ... decided to try their fortune in this new industry* [trolling] ... (and) ... *the Wallace Fisheries, ... B.C. Fisheries and the Prince Rupert Cold Storage Company sent out launches and steamers to gather the harvest.*

Since the DMF report states later that Queen Charlotte Island canneries were closed in 1915 (no canned production shown in main text Table 7), all of the 1915 troll production must have been shipped out. We have assumed that the destination was Prince Rupert since this was where Prince Rupert Cold Storage and Wallace Fisheries were located. The fact that no products other than dry salted-salmon were recorded by DMF for the Queen Charlottes in 1915 (see Table 17 of the main report) is taken as further evidence that chinook and coho were processed outside of the Queen Charlottes. We have assumed that salmon destined for dry salting were processed locally.

In 1916, processing of products other than canned salmon in the Queen Charlotte Islands again was limited to dry salted salmon. As there was no mention in the DMF report that trolling was discontinued, we have assumed that 1916 troll catches were also shipped to Prince Rupert. From 1917 to 1919, products other than dry-salted salmon are recorded for the Queen Charlottes, so it has been assumed that all salmon were processed locally in these years. It also has been assumed that salmon destined for canning were not shipped out since there should have been more than sufficient supply on the Skeena to satisfy the requirements of canners.

We averaged chinook and coho GLW from products for 1913, 1914, 1917 and 1918 (main text Table 17) in order to estimate the amount of transfers from the Queen Charlotte Island in 1915 and 1916. These were 74 tonnes of coho and 238 tonnes of chinook. These amounts were added to the Queen Charlotte Island records for 1915 and 1916 in summary Table 44 and subtracted from the Skeena River records for 1915 and 1916 in summary Table 46. This tonnage represented all of 1915 coho and chinook landings in the Queen Charlottes and 82 percent and 68 percent, respectively, of 1916 coho and chinook landings in the Queen Charlottes.

6.1.2. Nass River transfer adjustments for 1915-1919

On the Nass River salmon products other than dry-salted salmon were recorded only twice in the DMF records from 1915 to 1919 (fresh/frozen in 1915 and in 1919), but were

---

13. Trollers harvested coho as well, although there was confusion about this in the minds of the fishermen, who referred to fish weighing from "ten to twenty pounds each" as a variety of chinook called "'Blue-backs'"; Overseer Harrison, on the other hand, felt that these were ... *a distinct species of the salmon family*" (DMF Annual Report for 1915).

reported each year between 1911 and 1914. It is possible that few of the non-canned products were processed in those years. More likely, and consistent with comments by Inspectors in the DMF Annual Reports, Nass salmon and steelhead that were not canned were shipped out for these years, as troll caught salmon were reported to have been from the Queen Charlotte Islands in 1915 and 1916. We have assumed that this was the case and that Nass transfers for 1915 to 1919 were to Prince Rupert (Skeena River area) and were equal to the average production in the Nass River area from non-canned products other than dry salted salmon between 1911 and 1914 (from main text Table 18). Estimated transfers in tonnes were, <0.5 sockeye, 6 pink, 32 chum, 68 coho, 170 chinook, and 16 steelhead. These amounts were added to the Nass River records for 1915 to 1919 in summary Table 45 and subtracted from the Skeena River records for 1915 to 1919 in summary Table 46. They are shown below as percentages of 1915-1919 average estimated landings on the Nass (i.e. production adjusted for transfers out).

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead
% Transferred out	<0.1	0.3	3.5	9.4	51.2	29.0

The analysis indicates a relatively high proportion of transfers of chinook and steelhead (51% and 29%) caught on the Nass, to the Skeena.

6.1.3. North Coast transfer adjustments for 1888–1900

For the North Coast area, between 1888 and 1900 DMF reported that all GLW for products other than canned salmon were taken for processing on the Skeena River. This would appear not to have been the case immediately before or after this period because the annual reports recorded products for the North Coast area for these years (main text Table 20). To provide an estimate of how much salmon was likely transferred between 1888 and 1900, we calculated the amount of GLW from the North Coast that went into non-canned production during the two preceding and two succeeding years around the 1888-1900 period; i.e., the average by species for 1886,1887,1901 and 1902. These are 6.7 mt of sockeye, 12.0 mt of coho and 14 mt of chinook (pink and chum excluded because these species were not harvested commercially between 1888 and 1900 on the North Coast). We then adjusted the annual GLW data for 1888 through 1900 by these amounts, for the North Coast in summary Table 47, and for the Skeena River in summary Table 46.[14] These adjustments increased North Coast landings of sockeye, coho and chinook by approximately 2, 12 and 58 percent, respectively, over unadjusted data.

6.1.4. Skeena River transfer adjustments for 1888-1900 and 1915-1919

As discussed above, prior to 1920 DMF reports suggested that transfers from areas such as the Queen Charlotte Islands, Nass River and North Coast were destined for Prince Rupert. On this basis we assume that the estimates of Queen Charlotte Islands, Nass River and North Coast transfers derived above went to the Skeena River area. As noted, these amounts have been subtracted from the Skeena River records in summary Table 46.

---

14. Since these are transfers out of the North Coast area they are added to the unadjusted GLWs to obtain the estimated GLW caught in the North Coast area.

They are shown below as percentages of 1888-1900 and 1915-1919 average estimated production in tonnes on the Skeena (landings plus transfers in, i.e. unadjusted data).

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead
% Transferred in 1888-1900	(0.3)	-	-	(4.6)	(2.1)	-
% Transferred in 1915-1919	(<0.1)	(0.1)	(3.5)	(3.5)	(16.4)	(9.1)

These results suggest that for the Skeena prior to 1920, landings based on unadjusted product and canned pack data did not seriously bias landings data.

6.1.5. Juan de Fuca Strait transfer adjustments for 1904-1905

The Sooke traps began operating in Juan de Fuca Strait in 1904 (Argue 1970), and in their first two years of operation, many salmon were barged to canneries on the Fraser. As stated in the 1905 DMF Annual Report by Edward G. Taylor, Inspector of Fisheries for District III,

> [trap-caught salmon appear]... *in the statistical returns of Inspector Sword* [i.e. District I], *and so will not appear in my returns.* [Inspector Taylor goes on to say,] *I have no doubt that all the companies operating traps* (at Sooke) ... *will erect canneries at or near Victoria, as taking the salmon from the traps to the Fraser river canneries is expensive, they are apt also to deteriorate in quality if taken a long distance.*

We were somewhat arbitrary in our adjustment for these transfers. First we assumed that only trap caught salmon destined for canning were transferred to District I (the Fraser River area). This seems reasonable given the Inspector's comments and the fact that considerable volumes of products were put up by Victoria entrepreneurs in virtually every year since 1877.

In 1904, the first year the traps operated, no canned production was attributed to the Juan de Fuca Strait area. The next year, a dominant year for Fraser sockeye, one or more canneries produced a total pack of 30,500 cases. We assumed that half this amount was transferred to District I in 1905 and one quarter this amount was transferred in 1904. It was converted to tonnes and allocated to species based on the species composition of the pack for 1905, and in 1908 as a proxy for 1904 (see main text Table 14) since both were off years for Fraser River sockeye. Estimated transfers to District I were: 1904, 143 mt sockeye, 113 mt coho and 34 mt chinook; 1905, 504 mt sockeye and 77 mt coho. As a percentage of the adjusted total landings in the Juan de Fuca area for 1904/1905, these transfers represented 39% of the sockeye, 51% of the coho, but only 13% of the chinook. Appropriate adjustments have been made to Juan de Fuca Strait and District I landings in summary Tables 51 and 53, respectively.

6.2. Transfer Adjustments, District I, 1920-1932

District I transfer data were not found in the archive files. Therefore net transfers for 1933 to 1944, from adjusted and unadjusted canned packs (Section 5 of this Appendix)

were used to calculate adjustment factors for District I (Table F35b). Pre-1933 transfers for District I were based on average adjustment factors for 1934 to 1936. These were:

Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
0.885	even 0.005 odd 0.479	0.249	0.230	0.880	0.788	0.613

Clearly there were large net transfers to District I. Correspondence in the historical files indicates that these salmon were mainly from District III. It is interesting to note, however, that transfers had the least impact on chinook and steelhead landings. This is in contrast to the majority of areas where landings of these species were most affected by transfers.

To adjust for transfers prior to 1933 we scaled the above average adjustment factors in equal annual increments back to 1.000 by 1920. This resulted in even year pink catches in the early 1920s in excess of 500 mt in District I. We considered these unlikely so we arbitrarily scaled the even year pink adjustment factor back to only 0.1000 by 1920. In effect this reallocates even year pinks from District I to District III areas.

6.3. Transfers Adjustments, District II, 1920-1929

For northern British Columbia, contrasting tables of canned packs by area of catch and by area of processing in the 1958 Statistical Basebook (Tables 15 and 16 in Anonymous 1958) provided the data from which we estimated transfers beginning in 1920 for Rivers and Smith Inlets, and in 1925 for Nass and Skeena Rivers. We made the following assumptions in order to estimate transfers for all District II areas:

1) All Nass River transfers were shipped to the Skeena River, and all transfers to the Nass River were from the Skeena River,

2) All Rivers and Smith Inlets transfers were shipped to the North Coast, and all transfers to Rivers and Smith Inlets were from the North Coast, and

3) Salmon destined for canning were transferred neither to nor from the Queen Charlotte Islands.

Based on these assumptions, net transfers for the Skeena, plus net transfers for the Nass, plus net transfers for Rivers/Smith, equal net transfers for the North Coast. Tables F37 to F40 present canned pack transfers (in cwt) for the Nass, Skeena, North Coast and Rivers/Smith areas.

Assumptions regarding products other than canned salmon were as follows:

1) The average of 1911 to 1914 productions from Nass River products (excluding dry salted salmon) were transferred to the Skeena each year,

2) The average of 1917 to 1920 production (except steelhead) from Queen Charlotte Islands products (excluding dry salted salmon) was transferred to the Skeena each year. For steelhead we assumed a token amount, 2 mt, was

transferred out since there is little evidence of steelhead in the post 1929 landings, and

3) There were no transfers of Rivers/Smith and North Coast salmon and steelhead that were destined for products.

We combined transfer amounts from canned packs and other products to provide estimates of transfer adjustment factors for District II areas from 1920 to 1929 for Rivers and Smith Inlets, and for 1925 to 1929 for remaining areas (Tables F41 to F45). The following are average adjustment factors calculated from these tables for 1925-1927, the earliest three years in which the canned pack data were available in Anonymous (1958) for these areas. When the factors below are less than one, salmon have been transferred into the area; conversely, salmon were transferred out of the area if factors exceed one.

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
Queen Charlottes	1.053	1.300	1.009	1.953	13.611	100%	1.062
Naas River	1.025	0.973	1.127	1.384	2.192	2.820	1.152
Skeena River	0.986	0.926	0.513	0.875	0.792	0.786	0.835
North Coast	0.572	1.124	1.159	0.984	1.018	0.965	1.063
Rivers/Smith	1.181	0.835	1.211	1.164	1.235	1.524	1.155

Adjustment factors tended to be least for sockeye and pink (0.6 to 1.3), intermediate for chum and coho (0.5 to 2.0), and most extreme for chinook and steelhead (0.8 to 100%, i.e. all fish transferred out). On the basis of the above analyses, most salmon and steelhead landings based on unadjusted product and canned pack statistics would be overestimated for the Skeena River area (Tables F43) due to net transfers in, and would be underestimated for Queen Charlotte Islands, Nass River, North Coast and Rivers and Smith Inlet areas (Tables F41, F42, F44 and F45) due to net transfers out.

Adjustment factors in Tables F41 to F45 were used to correct 1925 to 1929 landings for transfers in each District II area. In the case of the Queen Charlotte Islands, this was equivalent to simply adding back the estimated net transfers in the top part of Table F41. In the few cases when all the fish were estimated to have been transferred in/out (denoted by 100% in Tables F41-F45), the estimated transfers were subtracted/added.

For the years prior to 1925, the above average adjustment factors were used to adjust landings in 1924 for transfers. Then for 1923 back to 1920 each species/area average was returned in equal annual increments to either 1.0000 for the North Coast area, or to the average adjustment factor for 1915 to 1919 for the Nass and Skeena Rivers areas (see Sections 6.1.2 and 6.1.4 above). For Rivers and Smith Inlets areas we used the adjustment factors for 1920 to 1924 in Table F45. For the Queen Charlotte Islands when there were zero landings based on the unadjusted GLW, we added back the net transfer amounts from Table F41. In effect we have assumed that moving back in time to 1920 the uncorrected GLW for each species in each area was progressively less affected by transfers.

For species/years between 1925 and 1929 the above adjustments did not change the annual total landings by species for District II as a whole. In effect the adjustment factors

simply reallocated each species GLW to the presumed area in which the fish were actually caught and landed, and these reallocations balanced out. In the earlier years because we were using average adjustment factors, there were minor changes (! 1-2%) to the total District II landings. To account for these differences so that the total District II landings by species remained the same as the published GLW values, we scaled the landings for each species in each area by the proportion that the adjusted total District II landings differed from the unadjusted total District II landings. In effect we are not allowing for transfers between District II and Districts I/III to the south (see below).

6.4. Evidence that DMF Accounted for District II Transfers Between 1930 and 1932

The Prince Rupert tables referred to in Section 3.2 above contained 1930 to 1950 landed weights, by species and DBS area, adjusted for transfers. However for 1930 to 1932, the three years before adjusted landed weights first appeared in the DBS Annual Reports, there were no transfer worksheets in the archive files, so there was no direct evidence that 1930-1932 landing records from Prince Rupert tables took transfers into account.

To examine whether the 1930-1932 Prince Rupert data in fact were adjusted for transfers, we compared GLWs from the DBS reports and from the DMF Prince Rupert tables (Table F46). Total GLWs for District II were within a few percent each year, and area totals differed in the direction one would expect if transfers were primarily to the Skeena River area from other areas. Thus we concluded that, sometime after 1932, the 1930-1932 DMF data had been adjusted for transfers. Note that the 1933 GLWs from the two sources are virtually identical, as would be expected since the data in both sources were adjusted for transfers starting in 1933.

The adjusted 1930-1932 data are used in main text tables of landings for District II areas. Because it was not possible to adjust 1930-1932 landings in Districts I and III for transfers, catches for the province as a whole will be biased by the amount of net transfers for District II (Table F46), as shown below.

	1930	1931	1932
Net Transfers for District II in cwt (out)	(81)	(27,740)	33,093
% Over (under) Estimate of B.C. Landings	<0.1%	2.1%	(2.6%)

These represent relatively small net shipments of salmon and steelhead out of District II in 1930 and 1931, and into District II in 1932. The destination/origin of these transfers cannot be attributed with certainty to any particular areas. However in 1933, transfers out of District II all went to District I, and transfers into District II came from the Johnstone Strait area in District III. If the same patterns existed in 1930, 1931 and 1932, we would expect our estimates for these areas to have been most biased as a result of District II transfers.

Based on 1933 transfers and average 1930-1932 landings, the degree of bias in each area, by species, is estimated as:

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead
Johnstone Strait	negligible	(13%)	(13%)	(1%)	negligible	-
Fraser River	8%	18%	5%	6%	19%	negligible

Since we had no firm evidence that these were the areas involved in transfers to and from District II we made no adjustments for these transfers.

6.5. Transfer Adjustments, District III, 1920-1932

For District III, there was no useful information on pre-1933 transfers in the archive files, nor did product or canned pack data provide any clues about transfers. Therefore we decided to represent the extent of pre-1933 transfers by results from the 1934-1939 transfer analysis for District III (Section 4 above).

Tables F47 to F50 present adjustment factors for 1934 to 1939 for Johnstone Strait, Strait of Georgia, Juan de Fuca Strait and WCVI areas. We started with 1934 because of incomplete 1933 transfer data (see Section 4.2 above). Average adjustment factors from these tables for 1934 to 1936 (1935 and 1937 for odd year pinks), the three years closest to the pre-1933 period were:

	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
Johnstone Str.	1.390	even 1.661 odd 1.848	2.586	1.830	1.481	1.286	1.882
Strait of Georgia	1.488	even 1.083 odd 4.203	1.363	1.730	1.178	-	1.412
Juan de Fuca Str.	1.000	even 1.000 odd 1.191	0.594	0.568	0.647	1.000	0.689
W. Coast Van. Is.	0.809	even 0.991 odd 4.700	1.334	0.975	1.070	67.007	1.198

Based on these results there were net transfers of salmon to Juan de Fuca Strait (adjustment factors <1.0), and net transfers of salmon from Johnstone Strait, Georgia Strait and the WCVI (factors >1.0). Johnstone Strait landings would appear to be the most seriously underestimated by using unadjusted product and canned pack statistics, whereas WCVI landings would appear to be underestimated the least. Information in District III files indicated that Juan de Fuca Strait processors received transfers mainly from the WCVI, whereas Johnstone Strait and Strait of Georgia fish were sent mainly to processors in District I. There also were examples of shipments of fish between Johnstone Strait and the Strait of Georgia, and between Johnstone Strait and Rivers and Smith Inlets. WCVI processors received some sockeye, pink and coho from Johnstone Strait and there were shipments of West Coast salmon (e.g. all Nitinat landings) to District I and Juan de Fuca Strait (Victoria). There were considerable amounts of fish

transferred amongst individual DBS areas on the WCVI and also within the Strait of Georgia.

We consider the 1934-1939 average adjustment factors to indicate the maximum extent that pre-1933 landings in District III were biased by using unadjusted product and canned pack statistics.

The average District III adjustment factors for 1934 to 1936 (1937 included for pink salmon) were used to correct 1932 landings from canned pack and products for transfers (and 1931 landings for pink salmon). For 1931/1930 back to 1921/20 each species/area average adjustment factor for the canned pack/product GLW data was returned to 1.0000 in equal increments per year, as we did for Districts I and II. The adjustment factors in effect reallocated each species GLW to the presumed area in which the fish were actually caught and landed. Because we were using average adjustment factors, the above reallocations caused small changes (! 2-10%) to the total Districts III/I landings. To account for these differences so that the total Districts III/I landings by species remained the same as the published GLW values, we scaled the landings for each species in each area by the proportion that the adjusted total Districts III/I landings differed from the unadjusted total Districts III/I landings. In effect we are not allowing for transfers between Districts III/I combined and District II to the north.

7. TRANSFERS OF UNPROCESSED SALMON, ALL DISTRICTS, 1945-1950

DMF completed transfer analyses for all areas from 1945 to 1950 and recorded the corrected GLW by species on Schedule 1A forms starting in 1945. Copies of Schedule 1A forms were filed at DFO headquarters in Vancouver, but the corresponding transfer worksheets were not found. Table F51 presents 1945-1950 GLWs from these Schedules, by DBS area and species (flesh colour/size grades in the case of chinook and coho). These data were combined for the major areas of this report and are included in main text Tables 28 through 37.

8. DETAILED EXPLANATION OF HOW 1930-1950 LANDED WEIGHTS WERE COMPILED FOR MAIN TEXT TABLES

8.1. District I

District I landings for 1930 to 1932 in DMF Annual Reports were not adjusted for transfers (Table 37). We calculated the unadjusted GLW from canned pack (Table 16) and other product (Table 26) data in the same manner as for the other Districts. These GLWs are included in Table 37 as are GLWs for 1932 to 1950. The column "DBS/Total" is the ratio of the published GLW to the "Total" GLW from sources explained in the footnote to Table 37. "DBS GLW" and "Total" GLW sometimes differed slightly due to rounding errors. Summary Table 53 contains the landed weight in tonnes for 1930 to 1950 from Table 37. Our bias correction procedures to account for transfers (Section 6.2 above) were applied to the 1930 to 1932 GLW and numbers data in Table 53.

8.2. District II

District II GLWs for 1930 to 1950 are listed in Tables 28 to 32. For 1930 to 1944, these are the "Prince Rupert" data that combined cwt for canned packs and other products (data under the heading "Green Landed Weight"), and for 1945 to 1950 these are the cwt data from Schedule IA forms. GLWs are converted to tonnes on the right side of the tables. In the first data column on the left is the total GLW from the DBS reports. The column "DBS/Total" is the ratio of the published GLW to the GLW from Prince Rupert tables. As can be seen from the ratios, there were only 18 of 150 cases where total GLWs from the two data sets for northern BC areas differed by more than five percent. Most differences occurred in 1930, 1931, 1932 and arose because, in these years, the Prince Rupert data took into account transfers between areas, whereas the DBS data did not. However, when the GLWs for these years are summed across areas in District II, differences in GLW between data sets are much less than they are for individual areas, indicating that transfers between District II and District I/III were relatively small compared to transfers amongst areas within District II. The Prince Rupert GLWs in tonnes for each area from Tables 28 to 32 are reproduced in summary Tables 44 to 48; we use these GLWs because they include post publication adjustments which we believe makes them more accurate than the published DBS GLW values.

Since District II landings in this report were adjusted by DMF for transfers for 1930-1932, whereas this was not the case for landings reported by DMF for the other Districts, landings for these years for areas outside District II (most likely Johnstone Strait and District I) are biased by the net transfers of salmon and steelhead from District II. By 1932 over a quarter of salmon processed in the Skeena area (principally Prince Rupert) came from elsewhere in the north, with up to 15% of the salmon from the Queen Charlotte Islands, the Nass River and northern areas to the south of the Skeena River being transferred out of these areas. Most of these transfers were destined for the Skeena River area. However, as noted, we still were concerned that we might be overlooking transfers to southern areas in District III and to District I.

Fortunately, we could use the Prince Rupert data from the DFO historical records to examine this possibility. For 1930-1932 the difference between the total adjusted GLW for northern areas combined and the unadjusted DMF GLW measures the extent of transfers between District II and the Districts to the south. In Section 6.4 above we calculated that for these years transfers into and out of District II represented approximately ± 2.5% of adjusted District II landings. Because we did not have comparable transfer-adjusted GLWs for southern areas we could not make adjustments to individual southern areas for these cross-District fish transfers. However, based on detailed analysis of DMF's 1933 transfer data, we determined that landings in the Johnstone Strait and Fraser River areas were most likely the destinations for transfers out of District II. If 1933 transfers by species were representative of transfers in earlier years then these areas' landings could be biased, depending on the species, by minus 1% to 13% for Johnstone Strait and by plus 5% to 19% for Fraser River. (see Section 6.4 above). Lacking firm information on such transfers, these biases were ignored in making the final tabulations.

8.3. District III

District III landed weights for 1930 to 1950 for the canned pack and products combined are presented in cwt and tonnes, by species and area, in Tables 33 to 36. The 1930 to 1932 data in these tables have not been adjusted for transfers. The DBS/Total ratios were, with a few exceptions, equal to 1.0000 for 1930 to 1944. This was because the DMF data that we used were for the most part the same GLW, canned pack and product data that DBS GLWs were based on. The exceptions were probably due to post publication adjustments of products, canned packs or GLW data by DMF. For this reason we transferred the GLWs that we calculated (Tables 33-36) from the raw DMF data to summary Tables 49 to 52. Our bias correction procedures to account for transfers (see Section 6.5 above) were applied to the 1930 to 1932 GLW and numbers data only in Tables 49 to 52 (adjusted data are shown in bold and italicized font).

I. Fish Caught and Marketed, 1933—con.

	Fishing Districts	Pilchards						Perch		Salmon											
		Caught and landed	Marketed					Caught and landed	Marketed	Caught and landed	Marketed										
			Used fresh	Canned	Used as bait	Meal	Oil		Used fresh		Used fresh	Canned	Smoked	Dry-salted	Mild-cured	Pickled	Roe	Used as bait	Meal	Oil	
		cwt.	cwt.	cases	bbl.	ton	gal.	cwt.	cwt.	cwt.	cwt.	cases	cwt.	cwt.	cwt.	cwt.	cwt.	cwt.	ton	gal.	
	British Columbia—con.																				
	Totals for Province—																				
1	**Quantity**	65,353	14	2,946	20	1,108	275,879	528	528	1,410,504	214,138	1,265,072	439	82,875	18,262	279	5,315	199	719	63,830	1
2	**Value** $	35,017	70	8,838	30	33,831	34,485	3,025	3,428	4,463,921	1,296,771	7,428,123	5,009	159,596	256,326	2,521	13,694	341	23,180	8,625	2
	District No. 1 *(a)*—																				
3	Total quantity	14	14	–	–	–	–	311	311	288,899	90,565	323,564	439	22,171	6,610	159	1,388	–	–	–	3
4	Total value $	70	70	–	–	–	–	2,128	2,488	1,100,593	480,586	1,796,730	5,009	42,530	93,616	1,115	6,109	–	–	–	4
	District No. 2—																				
5	Massett Inlet and northern Graham Island, Queen Charlotte Islands	–	–	–	–	–	–	–	–	29,287	–	–	–	–	–	–	–	–	–	–	5
6	Southern Queen Charlotte Islands, including Skidegate Inlet	–	–	–	–	–	–	–	–	43,597	–	–	–	15,244	–	–	732	–	–	–	6
7	The Naas River	–	–	–	–	–	–	–	–	95,183	–	60,434	–	–	–	–	–	–	–	–	7
8	Skeena River, including Prince Rupert and the Upper Skeena	–	–	–	–	–	–	–	–	139,368	38,798	185,463	–	–	3,234	110	–	–	263	26,330	8
9	Grenville—Principe area	–	–	–	–	–	–	–	–	26,497	–	28,839	–	–	–	–	–	–	–	–	9
10	Butedale including Gardiner Canal	–	–	–	–	–	–	–	–	51,548	8,753	50,164	–	–	6,585	–	–	196	–	–	10
11	Bella Bella and Fitzhugh Sound	–	–	–	–	–	–	–	–	96,293	–	127,946	–	904	–	–	1,199	–	–	–	11
12	Bella Coola, Dean and Burke Channels	–	–	–	–	–	–	–	–	65,166	–	66,397	–	–	–	–	–	–	–	–	12
13	Rivers Inlet	–	–	–	–	–	–	–	–	88,497	–	86,689	–	–	–	–	–	–	–	–	13
14	Smiths Inlet	–	–	–	–	–	–	–	–	37,775	–	71,414	–	–	–	–	–	–	–	–	14
15	Total quantity	–	–	–	–	–	–	–	–	673,211	47,551	677,346	–	16,148	9,819	110	1,931	196	263	26,330	15
16	Total value $	–	–	–	–	–	–	–	–	2,011,588	412,091	4,352,429	–	38,799	145,301	1,306	4,329	338	9,500	4,500	16
	District No. 3—																				
17	Cape Scott to Tuna Point, including all waters between Vancouver Island and the mainland	–	–	–	–	–	–	–	–	130,778	14,448	118,793	–	5,731	–	10	287	3	–	–	17
18	Tuna Point to Shelter Point, including mainland waters opposite	–	–	–	–	–	–	–	–	48,625	6,673	23,739	–	2,788	–	–	161	–	–	–	18
19	Shelter Point to French Creek	–	–	–	–	–	–	–	–	36,691	297	22,550	–	–	–	–	162	–	–	–	19
20	Mainland waters from George Point to Gower Point	–	–	–	–	–	–	76	76	19,810	4,566	–	–	2,656	–	–	100	–	–	–	20
21	French Creek to Shoal Harbour including Nanaimo	–	–	–	–	–	–	7	7	22,229	1,029	–	–	6,040	–	–	–	–	436	37,500	21
22	Shoal Harbour to Sambrio Point, including Victoria	–	–	–	–	–	–	58	58	41,391	14,887	28,294	–	–	1,833	–	–	–	–	–	22
23	Sambrio Point to Pashena Point, including Nitinat Arm	–	–	–	–	–	–	–	–	42,310	–	–	–	–	–	–	–	–	–	–	23
24	Barclay Sound and Port Alberni	57,339	–	1,770	–	531	130,291	60	60	52,505	20,463	40,046	–	19,914	–	–	874	–	20	–	24
25	Wreck Bay to Estevan Point, including Clayoquot Sound	8,000	–	–	–	77	18,851	16	16	15,982	5,083	7,189	–	–	–	–	–	–	–	–	25
26	Estevan Point to Tatchu Point, including Nootka Sound	–	–	1,176	20	500	126,737	–	–	21,462	353	23,551	–	3,919	–	–	265	–	–	–	26
27	Tatchu Point to Cape Cook, including Kyuquot Sound	–	–	–	–	–	–	–	–	10,191	5,806	–	–	3,508	–	–	147	–	–	–	27
28	Cape Cook to Cape Scott, including Quatsino Sound	–	–	–	–	–	–	–	–	6,420	2,417	–	–	–	–	–	–	–	–	–	28
29	Total quantity	65,339	–	2,946	20	1,108	275,879	217	217	448,394	76,022	264,162	–	44,656	1,833	10	1,996	3	456	37,500	29
30	Total value $	34,947	–	8,838	30	33,831	34,485	897	940	1,351,743	394,094	1,278,964	–	78,261	17,409	100	3,166	3	13,680	4,125	30

(a) Comprises Fraser River and Howe Sound.

Table F2. Canned pack and product amounts, by area, company and species from Supplemental Schedules completed by companies in 1933.

Area[a]		Company	Species[b]	Canned	Dry Salted	Pickled	Co. Fresh/Frozen	Smoked		Mild Cured	Bait	Roe[c]
DBS	DFO	Number		(cases)	(cwt)	(cwt)	(cwt)	Smoked (cwt)	Kippered (cwt)	(cwt)	(cwt)	(cwt)
3	28,29	1	SOC	16,465	-	-	-	-	-	-	-	-
3	28,29	1	RDS	81	-	-	946	-	-	-	-	-
3	28,29	1	PNS	397	-	-	-	-	-	-	-	-
3	28,29	1	WHS	1,043	-	-	2,666	-	-	-	-	-
3	28,29	1	BLB	3,876	-	-	3	-	-	-	-	-
3	28,29	1	STL	-	-	-	99	-	-	-	-	-
3	28,29	1	COH	5,143	-	-	399	-	-	-	-	-
3	28,29	1	PNK	31,558	2,400	-	3,697	-	-	-	-	-
3	28,29	1	CHM	9,422	1,800	-	182	-	-	-	-	-
3	28,29	2	SOC	10,268	-	-	-	-	-	-	-	-
3	28,29	2	WHS	2,098	-	-	-	-	-	-	-	-
3	28,29	2	BLB	140	-	-	-	-	-	-	-	-
3	28,29	2	COH	4,178	-	-	-	-	-	-	-	-
3	28,29	2	PNK	37,612	-	-	-	-	-	-	-	-
3	28,29	2	CHM	17,001	-	-	-	-	-	-	-	-
3	28,29	3	SPR	-	-	-	-	59	57	-	-	-
3	28,29	3	WHS	-	-	-	7,800	-	-	-	-	-
3	28,29	4	SOC	4,019	-	-	-	-	-	-	-	-
3	28,29	4	RDS	346	-	-	-	-	-	-	-	-
3	28,29	4	WHS	197	-	-	-	-	-	-	-	-
3	28,29	4	BLB	3,508	-	-	-	-	-	-	-	-
3	28,29	4	COH	4,709	-	-	-	-	-	-	-	-
3	28,29	4	PNK	11,663	-	-	-	-	-	-	-	-
3	28,29	4	CHM	8,505	-	-	-	-	-	-	-	-
3	28,29	5	SOC	3,985	-	-	-	-	-	-	-	-
3	28,29	5	RDS	128	-	-	-	-	-	-	-	-
3	28,29	5	WHS	379	-	-	-	-	-	-	-	-
3	28,29	5	COH	1,306	-	-	-	-	-	-	-	-
3	28,29	5	PNK	4,771	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	5	CHM	1,039	-	-	-	-	-	-	-	-
3	28,29	6	SOC	5,870	-	-	-	-	-	-	-	-
3	28,29	6	RDS	208	-	-	-	-	-	-	-	-
3	28,29	6	PNS	28	-	-	-	-	-	-	-	-
3	28,29	6	WHS	212	-	-	-	-	-	-	-	-
3	28,29	6	BLB	12	-	-	-	-	-	-	-	-
3	28,29	6	COH	967	-	-	-	-	-	-	-	-
3	28,29	6	PNK	9,715	-	-	-	-	-	-	-	-
3	28,29	6	CHM	1,368	-	-	-	-	-	-	-	-
3	28,29	7	SOC	201	-	-	-	-	-	-	-	-
3	28,29	7	RDS	3	-	-	-	-	-	-	-	-
3	28,29	7	PNS	1	-	-	-	-	-	-	-	-
3	28,29	7	WHS	31	-	-	-	-	-	-	-	-
3	28,29	7	BLB	143	-	-	-	-	-	-	-	-
3	28,29	7	COH	1,415	-	-	136	-	-	-	-	-
3	28,29	7	PNK	3,618	-	-	-	-	-	-	-	-
3	28,29	7	CHM	2,012	-	-	262	-	-	-	-	-
3	28,29	7	UNK	-	-	-	-	-	-	-	-	38
3	28,29	8	SOC	6,246	-	-	-	-	-	-	-	-
3	28,29	8	RDS	4,775	-	-	2	-	-	-	-	-
3	28,29	8	WHS	237	-	-	1,001	-	-	-	-	-
3	28,29	8	STL	-	-	-	32	-	-	-	-	-
3	28,29	8	COH	3,278	-	-	255	-	-	-	-	-
3	28,29	8	PNK	13,992	978	-	-	-	-	-	-	-
3	28,29	8	CHM	15,165	2,097	-	1,630	-	-	-	-	-
3	28,29	8	UNK	-	-	-	-	-	-	-	-	420
3	28,29	9	SOC	4,191	-	-	-	-	-	-	-	-
3	28,29	9	RDS	86	-	-	275	-	-	-	-	-
3	28,29	9	JKS	-	-	-	32	-	-	-	-	-
3	28,29	9	WHS	33	-	-	624	-	-	-	-	-
3	28,29	9	BLB	1,257	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	9	STL	-	-	-	26	-	-	-	-	-
3	28,29	9	COH	1,213	-	-	156	-	-	-	-	-
3	28,29	9	PNK	10,294	-	-	34	-	-	-	-	-
3	28,29	9	CHM	6,218	-	-	7	-	-	-	-	-
3	28,29	10	SOC	885	-	-	-	-	-	-	-	-
3	28,29	10	RDS	74	-	-	-	-	-	-	-	-
3	28,29	10	WHS	93	-	-	-	-	-	-	-	-
3	28,29	10	COH	77	-	-	-	-	-	-	-	-
3	28,29	10	PNK	3,938	-	-	-	-	-	-	-	-
3	28,29	10	CHM	5	-	-	-	-	-	-	-	-
3	28,29	11	SOC	1,351	-	-	-	-	-	-	-	-
3	28,29	11	SPR	231	-	-	-	-	-	-	-	-
3	28,29	11	BLB	4,363	-	-	-	-	-	-	-	-
3	28,29	11	COH	3,429	-	-	-	-	-	-	-	-
3	28,29	11	PNK	15,897	309	-	-	-	-	-	-	-
3	28,29	11	CHM	16,595	795	-	-	-	-	-	-	-
3	28,29	13	UNK	-	-	-	-	-	-	-	14[d]	330
3	28,29	14	RDS	-	-	-	10	-	-	-	-	-
3	28,29	14	PNS	-	-	-	3	-	-	-	-	-
3	28,29	14	WHS	-	-	-	9	-	-	-	-	-
3	28,29	14	BLB	-	-	-	25	-	-	-	-	-
3	28,29	14	COH	-	-	-	19	-	-	-	-	-
3	28,29	15	RDS	-	-	-	401	-	-	-	-	-
3	28,29	15	WHS	-	-	-	94	-	-	-	-	-
3	28,29	15	BLB	-	-	-	20	-	-	-	-	-
3	28,29	15	STL	-	-	-	22	-	-	-	-	-
3	28,29	15	COH	-	-	-	295	-	-	-	-	-
3	28,29	15	PNK	-	-	-	1	-	-	-	-	-
3	28,29	16	SOC	-	-	-	7	-	-	-	-	-
3	28,29	16	RDS	-	-	159	3,275	69	-	-	-	-
3	28,29	16	WHS	-	-	-	4,358	44	-	6,492	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	16	STL	-	-	-	166	-	-	-	-	-
3	28,29	16	COH	-	-	-	6,435	-	-	-	-	-
3	28,29	16	PNK	-	-	-	804	-	-	118	-	-
3	28,29	16	CHM	-	-	-	5,063	-	-	-	-	-
3	28,29	17	RDS	-	-	-	616	-	-	-	-	-
3	28,29	17	WHS	-	-	-	339	-	-	-	-	-
3	28,29	17	BLB	-	-	-	155	-	-	-	-	-
3	28,29	17	STL	-	-	-	147	-	-	-	-	-
3	28,29	17	COH	-	-	-	230	-	-	-	-	-
3	28,29	17	PNK	-	-	-	30	-	-	-	-	-
3	28,29	17	CHM	-	-	-	73	-	-	-	-	-
3	28,29	18	RDS	-	-	-	892	-	-	-	-	-
3	28,29	18	WHS	-	-	-	259	-	210	-	-	-
3	28,29	18	BLB	-	-	-	210	-	-	-	-	-
3	28,29	18	STL	-	-	-	90	-	-	-	-	-
3	28,29	18	COH	-	-	-	450	-	-	-	-	-
3	28,29	19	WHS	-	20	-	-	-	-	-	-	-
3	28,29	19	PNK	-	16	-	-	-	-	-	-	-
3	28,29	19	CHM	-	3,084	-	-	-	-	-	-	-
3	28,29	20	PNK	-	2,360	-	-	-	-	-	-	-
3	28,29	20	CHM	-	2,343	-	-	-	-	-	-	-
3	28,29	20	UNK	-	-	-	-	-	-	-	-	250
3	28,29	21	SOC	-	-	-	185	-	-	-	-	-
3	28,29	21	RDS	-	-	-	215	-	-	-	-	-
3	28,29	21	WHS	-	69	-	4,764	-	-	-	-	-
3	28,29	21	STL	-	-	-	190	-	-	-	-	-
3	28,29	21	COH	-	-	-	2,148	-	-	-	-	-
3	28,29	21	PNK	-	224	-	4,326	-	-	-	-	-
3	28,29	21	CHM	-	3,126	-	1,704	-	-	-	-	-
3	28,29	21	UNK	-	-	-	-	-	-	-	-	350
3	28,29	22	PNK	-	550	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
3	28,29	22	CHM	-	2,000	-	-	-	-	-	-	-
6	2	24	CHM	-	13,244	-	-	-	-	-	-	-
6	2	24	UNK	-	-	-	-	-	-	-	-	732
6	2	25	CHM	-	2,000	-	-	-	-	-	-	-
7	3	27	SOC	4,320	-	-	-	-	-	-	-	-
7	3	27	RDS	283	-	-	-	-	-	-	-	-
7	3	27	PNS	200	-	-	-	-	-	-	-	-
7	3	27	WHS	62	-	-	-	-	-	-	-	-
7	3	27	STL	24	-	-	-	-	-	-	-	-
7	3	27	COH	948	-	-	-	-	-	-	-	-
7	3	27	PNK	13,871	-	-	-	-	-	-	-	-
7	3	27	CHM	327	-	-	-	-	-	-	-	-
7	3	28	SOC	2,874	-	-	-	-	-	-	-	-
7	3	28	RDS	488	-	-	-	-	-	-	-	-
7	3	28	PNS	27	-	-	-	-	-	-	-	-
7	3	28	WHS	46	-	-	-	-	-	-	-	-
7	3	28	STL	10	-	-	-	-	-	-	-	-
7	3	28	COH	667	-	-	-	-	-	-	-	-
7	3	28	PNK	14,278	-	-	-	-	-	-	-	-
7	3	28	CHM	453	-	-	-	-	-	-	-	-
7	3	29	SOC	2,563	-	-	-	-	-	-	-	-
7	3	29	RDS	114	-	-	-	-	-	-	-	-
7	3	29	WHS	76	-	-	-	-	-	-	-	-
7	3	29	STL	15	-	-	-	-	-	-	-	-
7	3	29	COH	1,636	-	-	-	-	-	-	-	-
7	3	29	PNK	16,157	-	-	-	-	-	-	-	-
7	3	29	CHM	995	-	-	-	-	-	-	-	-
8	4	30	SOC	1,919	-	-	-	-	-	-	-	-
8	4	30	RDS	395	-	-	-	-	-	-	-	-
8	4	30	PNS	74	-	-	-	-	-	-	-	-

Table F2. Continued

Area[a]		Company	Species[b]	Canned	Dry Salted	Pickled	Co. Fresh/Frozen	Smoked		Mild Cured	Bait	Roe[c]
DBS	DFO	Number		(cases)	(cwt)	(cwt)	(cwt)	Smoked (cwt)	Kippered (cwt)	(cwt)	(cwt)	(cwt)
8	4	30	WHS	36	-	-	-	-	-	-	-	-
8	4	30	COH	435	-	-	-	-	-	-	-	-
8	4	30	PNK	5,095	-	-	-	-	-	-	-	-
8	4	30	CHM	187	-	-	-	-	-	-	-	-
8	4	31	SOC	2,473	-	-	-	-	-	-	-	-
8	4	31	RDS	705	-	-	-	-	-	-	-	-
8	4	31	PNS	370	-	-	-	-	-	-	-	-
8	4	31	WHS	63	-	-	-	-	-	-	-	-
8	4	31	COH	1,107	-	-	-	-	-	-	-	-
8	4	31	PNK	7,978	-	-	-	-	-	-	-	-
8	4	31	CHM	390	-	-	-	-	-	-	-	-
8	4	32	SOC	2,616	-	-	-	-	-	-	-	-
8	4	32	COH	1,619	-	-	-	-	-	-	-	-
8	4	32	PNK	10,343	-	-	-	-	-	-	-	-
8	4	32	CHM	472	-	-	-	-	-	-	-	-
8	4	33	SOC	4,753	-	-	-	-	-	-	-	-
8	4	33	COH	13,380	-	-	-	-	-	-	-	-
8	4	33	PNK	8,939	-	-	-	-	-	-	-	-
8	4	33	CHM	2,873	-	-	-	-	-	-	-	-
8	4	34	SOC	4,857	-	-	-	-	-	-	-	-
8	4	34	COH	983	-	-	-	-	-	-	-	-
8	4	34	PNK	11,956	-	-	-	-	-	-	-	-
8	4	34	CHM	839	-	-	-	-	-	-	-	-
8	4	35	SOC	1,954	-	-	-	-	-	-	-	-
8	4	35	RDS	362	-	-	-	-	-	-	-	-
8	4	35	WHS	42	-	-	-	-	-	-	-	-
8	4	35	COH	411	-	-	-	-	-	-	-	-
8	4	35	PNK	4,952	-	-	-	-	-	-	-	-
8	4	35	CHM	184	-	-	-	-	-	-	-	-
8	4	36	SOC	2,020	-	-	-	-	-	-	-	-
8	4	36	RDS	593	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
8	4	36	WHS	86	-	-	-	-	-	-	-	-
8	4	36	COH	764	-	-	-	-	-	-	-	-
8	4	36	PNK	6,348	-	-	-	-	-	-	-	-
8	4	36	CHM	242	-	-	-	-	-	-	-	-
8	4	37	SOC	3,900	-	-	-	-	-	-	-	-
8	4	37	RDS	405	-	-	-	-	-	-	-	-
8	4	37	STL	11	-	-	-	-	-	-	-	-
8	4	37	COH	1,573	-	-	-	-	-	-	-	-
8	4	37	PNK	9,745	-	-	-	-	-	-	-	-
8	4	37	CHM	1,397	-	-	-	-	-	-	-	-
8	4	38	SOC	2,021	-	-	-	-	-	-	-	-
8	4	38	RDS	166	-	-	-	-	-	-	-	-
8	4	38	STL	256	-	-	-	-	-	-	-	-
8	4	38	COH	4,988	-	-	-	-	-	-	-	-
8	4	38	PNK	15,074	-	-	-	-	-	-	-	-
8	4	38	CHM	3,089	-	-	-	-	-	-	-	-
8	4	40	SOC	3,993	-	-	-	-	-	-	-	-
8	4	40	COH	14,636	-	-	-	-	-	-	-	-
8	4	40	PNK	15,353	-	-	-	-	-	-	-	-
8	4	40	CHM	6,041	-	-	-	-	-	-	-	-
8	4	42	SOC	-	-	-	4	-	-	-	-	-
8	4	42	RDS	-	-	103	12,973	-	-	-	-	-
8	4	42	WHS	-	-	-	1,786	-	-	304	-	-
8	4	42	STL	-	-	-	1,917	-	-	-	-	-
8	4	42	COH	-	-	7	15,500	-	-	-	-	-
8	4	42	PNK	-	-	-	74	-	-	-	-	-
8	4	42	CHM	-	-	-	3,532	-	-	-	-	-
8	4	43	RDS	-	-	-	43	-	-	-	-	-
8	4	44	RDS	-	-	-	979	-	-	-	-	-
8	4	44	WHS	-	-	-	263	-	-	2,930	-	-
8	4	44	STL	-	-	-	1,160	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
8	4	44	COH	-	-	-	548	-	-	-	-	-
9	5	46	SOC	2,819	-	-	-	-	-	-	-	-
9	5	46	COH	9,004	-	-	-	-	-	-	-	-
9	5	46	PNK	12,440	-	-	-	-	-	-	-	-
9	5	46	CHM	4,576	-	-	-	-	-	-	-	-
10	6	47	SOC	1,313	-	-	-	-	-	-	-	-
10	6	47	RDS	477	-	-	2,154	-	-	-	-	-
10	6	47	WHS	-	-	-	946	-	-	6,585	-	-
10	6	47	STL	-	-	-	3	-	-	-	-	-
10	6	47	COH	6,777	-	-	5,648	-	-	-	-	-
10	6	47	PNK	15,050	-	-	1	-	-	-	-	-
10	6	47	CHM	26,547	-	-	1	-	-	-	-	-
10	6	47	UNK	-	-	-	-	-	-	-	196	-
11	7	48	SOC	10,384	-	-	-	-	-	-	-	-
11	7	48	RDS	159	-	-	-	-	-	-	-	-
11	7	48	PNS	44	-	-	-	-	-	-	-	-
11	7	48	WHS	13	-	-	-	-	-	-	-	-
11	7	48	STL	247	-	-	-	-	-	-	-	-
11	7	48	COH	10,787	-	-	-	-	-	-	-	-
11	7	48	PNK	23,478	-	-	-	-	-	-	-	-
11	7	48	CHM	82,834	-	-	-	-	-	-	-	-
11	7	48	UNK	-	-	-	-	-	-	-	-	1,199
11	7	49	CHM	-	904	-	-	-	-	-	-	-
12	8	50	SOC	4,124	-	-	-	-	-	-	-	-
12	8	50	RDS	42	-	-	-	-	-	-	-	-
12	8	50	WHS	6	-	-	-	-	-	-	-	-
12	8	50	STL	148	-	-	-	-	-	-	-	-
12	8	50	COH	2,706	-	-	-	-	-	-	-	-
12	8	50	PNK	12,949	-	-	-	-	-	-	-	-
12	8	50	CHM	3,590	-	-	-	-	-	-	-	-
12	8	51	SOC	7,466	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
12	8	51	RDS	96	-	-	-	-	-	-	-	-
12	8	51	WHS	4	-	-	-	-	-	-	-	-
12	8	51	STL	432	-	-	-	-	-	-	-	-
12	8	51	COH	2,470	-	-	-	-	-	-	-	-
12	8	51	PNK	26,309	-	-	-	-	-	-	-	-
12	8	51	CHM	6,055	-	-	-	-	-	-	-	-
13	9	52	SOC	9,630	-	-	-	-	-	-	-	-
13	9	52	PNS	65	-	-	-	-	-	-	-	-
13	9	52	WHS	38	-	-	-	-	-	-	-	-
13	9	52	COH	77	-	-	-	-	-	-	-	-
13	9	52	PNK	157	-	-	-	-	-	-	-	-
13	9	52	CHM	29	-	-	-	-	-	-	-	-
13	9	53	SOC	13,865	-	-	-	-	-	-	-	-
13	9	53	PNS	31	-	-	-	-	-	-	-	-
13	9	53	WHS	16	-	-	-	-	-	-	-	-
13	9	53	STL	13	-	-	-	-	-	-	-	-
13	9	53	COH	99	-	-	-	-	-	-	-	-
13	9	53	PNK	110	-	-	-	-	-	-	-	-
13	9	53	CHM	26	-	-	-	-	-	-	-	-
13	9	54	SOC	13,217	-	-	-	-	-	-	-	-
13	9	54	RDS	22	-	-	-	-	-	-	-	-
13	9	54	WHS	14	-	-	-	-	-	-	-	-
13	9	54	STL	32	-	-	-	-	-	-	-	-
13	9	54	COH	169	-	-	-	-	-	-	-	-
13	9	54	PNK	400	-	-	-	-	-	-	-	-
13	9	54	CHM	63	-	-	-	-	-	-	-	-
13	9	55	SOC	12,968	-	-	-	-	-	-	-	-
13	9	55	RDS	16	-	-	-	-	-	-	-	-
13	9	55	WHS	14	-	-	-	-	-	-	-	-
13	9	55	STL	37	-	-	-	-	-	-	-	-
13	9	55	COH	160	-	-	-	-	-	-	-	-

Table F2. Continued.

Area		Company	Species[a]	Canned	Dry Salted	Pickled	Co. Fresh/Frozen	Smoked		Mild Cured	Bait	Roe[c]
DBS	DFO	Number		(cases)	(cwt)	(cwt)	(cwt)	Smoked (cwt)	Kippered (cwt)	(cwt)	(cwt)	(cwt)
13	9	55	PNK	580	-	-	-	-	-	-	-	-
13	9	55	CHM	104	-	-	-	-	-	-	-	-
13	9	56	SOC	7,890	-	-	-	-	-	-	-	-
13	9	56	RDS	63	-	-	-	-	-	-	-	-
13	9	56	WHS	34	-	-	-	-	-	-	-	-
13	9	56	COH	23	-	-	-	-	-	-	-	-
13	9	56	PNK	28	-	-	-	-	-	-	-	-
13	9	56	CHM	3	-	-	-	-	-	-	-	-
13	9	57	SOC	2,655	-	-	-	-	-	-	-	-
13	9	57	RDS	84	-	-	-	-	-	-	-	-
13	9	57	WHS	4	-	-	-	-	-	-	-	-
13	9	57	COH	2,125	-	-	-	-	-	-	-	-
13	9	57	PNK	439	-	-	-	-	-	-	-	-
13	9	57	CHM	143	-	-	-	-	-	-	-	-
13	9	58	SOC	8,252	-	-	-	-	-	-	-	-
13	9	58	RDS	29	-	-	-	-	-	-	-	-
13	9	58	COH	289	-	-	-	-	-	-	-	-
13	9	58	PNK	1,269	-	-	-	-	-	-	-	-
13	9	58	CHM	103	-	-	-	-	-	-	-	-
13	9	59	SOC	8,499	-	-	-	-	-	-	-	-
13	9	59	PNK	12	-	-	-	-	-	-	-	-
13	9	59	WHS	7	-	-	-	-	-	-	-	-
13	9	59	COH	504	-	-	-	-	-	-	-	-
13	9	59	PNK	2,076	-	-	-	-	-	-	-	-
13	9	59	CHM	206	-	-	-	-	-	-	-	-
14	10	60	SOC	15,591	-	-	-	-	-	-	-	-
14	10	60	RDS	16	-	-	-	-	-	-	-	-
14	10	60	WHS	39	-	-	-	-	-	-	-	-
14	10	60	STL	42	-	-	-	-	-	-	-	-
14	10	60	COH	620	-	-	-	-	-	-	-	-
14	10	60	PNK	3,723	-	-	-	-	-	-	-	-

Table F2. Continued.

Area		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
14	10	60	CHM	820	-	-	-	-	-	-	-	-
14	10	61	SOC	9,031	-	-	-	-	-	-	-	-
14	10	61	WHS	2	-	-	-	-	-	-	-	-
14	10	61	COH	130	-	-	-	-	-	-	-	-
14	10	61	PNK	221	-	-	-	-	-	-	-	-
14	10	61	CHM	46	-	-	-	-	-	-	-	-
14	10	62	SOC	12,447	-	-	-	-	-	-	-	-
14	10	62	RDS	224	-	-	-	-	-	-	-	-
14	10	62	WHS	73	-	-	-	-	-	-	-	-
14	10	62	STL	45	-	-	-	-	-	-	-	-
14	10	62	COH	4,318	-	-	-	-	-	-	-	-
14	10	62	PNK	16,051	-	-	-	-	-	-	-	-
14	10	62	CHM	7,975	-	-	-	-	-	-	-	-
17	11,12	64	SOC	2,304	-	-	-	-	-	-	-	-
17	11,12	64	RDS	334	-	-	-	-	-	-	-	-
17	11,12	64	PNS	99	-	-	-	-	-	-	-	-
17	11,12	64	WHS	127	-	-	-	-	-	-	-	-
17	11,12	64	BLB	142	-	-	-	-	-	-	-	-
17	11,12	64	STL	26	-	-	-	-	-	-	-	-
17	11,12	64	COH	5648	-	-	-	-	-	-	-	-
17	11,12	64	PNK	44336	-	-	-	-	-	-	-	-
17	11,12	64	CHM	6166	-	-	-	-	-	-	-	-
17	11,12	65	SOC	1204	-	-	-	-	-	-	-	-
17	11,12	65	RDS	-	-	-	4	-	-	-	-	-
17	11,12	65	PNS	124	-	-	-	-	-	-	-	-
17	11,12	65	WHS	47	-	-	-	-	-	-	-	-
17	11,12	65	BLB	155	-	-	-	-	-	-	-	-
17	11,12	65	STL	7	-	-	-	-	-	-	-	-
17	11,12	65	COH	1632	-	-	420	-	-	-	-	-
17	11,12	65	PNK	24292	-	-	20	-	-	-	-	-
17	11,12	65	CHM	838	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
17	11,12	66	SOC	1225	-	-	-	-	-	-	-	-
17	11,12	66	RDS	118	-	-	-	-	-	-	-	-
17	11,12	66	WHS	38	-	-	-	-	-	-	-	-
17	11,12	66	BLB	33	-	-	-	-	-	-	-	-
17	11,12	66	COH	2147	-	-	-	-	-	-	-	-
17	11,12	66	PNK	23253	-	-	-	-	-	-	-	-
17	11,12	66	CHM	4498	-	-	-	-	-	-	-	-
17	11,12	67	COH	-	-	-	178	-	-	-	-	-
17	11,12	67	CHM	-	2926	-	12	-	-	-	-	-
17	11,12	67	UNK	-	-	-	-	-	-	-	-	151
17	11,12	68	COH	-	-	-	84	-	-	-	-	-
17	11,12	68	PNK	-	-	-	59	-	-	-	-	-
17	11,12	68	CHM	-	1905	10	-	-	-	-	-	-
17	11,12	68	UNK	-	-	-	-	-	-	-	-	106
17	11,12	69	COH	-	-	-	150	-	-	-	-	-
17	11,12	69	CHM	-	900	-	-	-	-	-	-	-
17	11,12	69	UNK	-	-	-	-	-	-	-	-	30
18	13	70	SOC	1069	-	-	-	-	-	-	-	-
18	13	70	RDS	-	-	-	112	-	-	-	-	-
18	13	70	PNS	99	-	-	-	-	-	-	-	-
18	13	70	WHS	30	-	-	29	-	-	-	-	-
18	13	70	BLB	4035	-	-	-	-	-	-	-	-
18	13	70	COH	1376	-	-	202	-	-	-	-	-
18	13	70	PNK	15000	-	-	129	-	-	-	-	-
18	13	70	CHM	2130	-	-	5321	-	-	-	-	-
18	13	71	CHM	-	2788	-	-	-	-	-	-	-
18	13	71	UNK	-	-	-	-	-	-	-	-	161
19	14	72	SOC	611	-	-	-	-	-	-	-	-
19	14	72	RDS	92	-	-	-	-	-	-	-	-
19	14	72	PNS	278	-	-	-	-	-	-	-	-
19	14	72	WHS	482	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company Number	Species[b]	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked		Mild Cured (cwt)	Bait (cwt)	Roe[c] (cwt)
DBS	DFO							Smoked (cwt)	Kippered (cwt)			
19	14	72	BLB	4099	-	-	-	-	-	-	-	-
19	14	72	COH	1679	-	-	-	-	-	-	-	-
19	14	72	PNK	11080	-	-	-	-	-	-	-	-
19	14	72	CHM	4229	-	-	-	-	-	-	-	-
19	14	72	UNK	-	-	-	-	-	-	-	-	162
20	15,16	74	COH	-	-	-	23	-	-	-	-	-
20	15,16	74	PNK	-	632	-	1396	-	-	-	-	-
20	15,16	74	CHM	-	2024	-	-	-	-	-	-	-
20	15,16	74	UNK	-	-	-	-	-	-	-	-	100
21	17	79	CHM	-	6040	-	-	-	-	-	-	-
22	18-20	86	RDS	-	-	-	300	-	-	-	-	-
22	18-20	86	WHS	-	-	-	30	-	-	-	-	-
22	18-20	86	BLB	-	-	-	30	-	-	-	-	-
22	18-20	86	COH	-	-	-	100	-	-	-	-	-
22	18-20	86	PNK	-	-	-	30	-	-	-	-	-
22	18-20	87	RDS	-	-	-	261	-	-	-	-	-
22	18-20	87	PNS	-	-	-	16	-	-	-	-	-
22	18-20	87	WHS	-	-	-	90	-	-	-	-	-
22	18-20	87	STL	-	-	-	12	-	-	52	-	-
22	18-20	87	COH	-	-	-	33	-	-	-	-	-
22	18-20	87	PNK	-	-	-	-	-	-	-	-	-
22	18-20	88	RDS	-	-	-	-	-	-	30	-	-
22	18-20	89	SOC	8721	-	-	-	-	-	1751	-	-
22	18-20	89	COH	4829	-	-	-	-	-	-	-	-
22	18-20	89	PNK	14485	-	-	-	-	-	-	-	-
22	18-20	89	CHM	259	-	-	-	-	-	-	-	-
24	23	93	SOC	1172	-	-	-	-	-	-	-	-
24	23	93	RDS	1066	-	-	-	-	-	-	-	-
24	23	93	COH	102	-	-	-	-	-	-	-	-
24	23	93	CHM	7425	-	-	-	-	-	-	-	-

Table F2. Continued.

Area[a]		Company	Species[b]	Canned	Dry Salted	Pickled	Co. Fresh/Frozen	Smoked		Mild Cured	Bait	Roe[c]
DBS	DFO	Number		(cases)	(cwt)	(cwt)	(cwt)	Smoked (cwt)	Kippered (cwt)	(cwt)	(cwt)	(cwt)
24	23	94	SOC	6216	-	-	-	-	-	-	-	-
24	23	94	RDS	188	-	-	-	-	-	-	-	-
24	23	94	STL	114	-	-	-	-	-	-	-	-
24	23	94	COH	3717	-	-	-	-	-	-	-	-
24	23	94	PNK	1339	-	-	-	-	-	-	-	-
24	23	94	CHM	18707	-	-	-	-	-	-	-	-
24	23	95	SOC	-	-	-	1063	-	-	-	-	-
24	23	95	RDS	-	-	-	171	-	-	-	-	-
24	23	95	WHS	-	-	-	20	-	-	-	-	-
24	23	95	CHM	-	18926	-	-	-	-	-	-	-
24	23	95	UNK	-	-	-	-	-	-	-	-	874
24	23	98	CHM	-	988	-	-	-	-	-	-	-
25	24	99	SOC	1132	-	-	-	-	-	-	-	-
25	24	99	COH	1110	-	-	-	-	-	-	-	-
25	24	99	CHM	4947	-	-	-	-	-	-	-	-
26	25	106	SOC	558	-	-	-	-	-	-	-	-
26	25	106	RDS	226	-	-	-	-	-	-	-	-
26	25	106	COH	5929	-	-	-	-	-	-	-	-
26	25	106	PNK	346	-	-	-	-	-	-	-	-
26	25	106	CHM	16492	-	-	-	-	-	-	-	-
26	25	107	COH	-	-	-	72	-	-	-	-	-
26	25	107	CHM	-	3919	-	-	-	-	-	-	-
26	25	107	UNK	-	-	-	-	-	-	-	-	265
27	26	108	CHM	-	3508	-	-	-	-	-	-	-
27	26	108	UNK	-	-	-	-	-	-	-	-	147
			Total	1,265,072	82,875	279	116,193	172	267	18,262	196	5,315

a. DBS area numbers from left column in Table F1. Text Figure 3 illustrates DFO areas.

b. Species codes. SOC, sockeye. RDS, red spring. PNS, pink spring. WHS, white spring. JKS, jack spring. SPR, spring. BLB, blueback. STL, steelhead. COH, coho. PNK, pink. CHM, chum. UNK, unknown.

c. Roe was excluded from calculations of GLW because it was already accounted for in the grossed-up amounts for other products.

d. Excluded from total because product was salmon eggs that were sold as sport bait.

Table F3. Summaries of 1933 canned pack and product amounts, by species and area, from Table F2.

a) Canned (cases)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	9757	885	227	184	-	-	-	49	3251	44306	1775	-	60,434
8	4	30506	2626	444	227	-	-	-	267	39896	95783	15714	-	185,463
9	5	2819	-	-	-	-	-	-	-	9004	12440	4576	-	28,839
10	6	1313	477	-	-	-	-	-	-	6777	15050	26547	-	50,164
11	7	10384	159	44	13	-	-	-	247	10787	23478	82834	-	127,946
12	8	11590	138	-	10	-	-	-	580	5176	39258	9645	-	66,397
13	9	76976	214	96	127	-	-	-	82	3446	5071	677	-	86,689
14	10	37069	240	-	114	-	-	-	87	5068	19995	8841	-	71,414
17	11,12	4733	452	223	212	-	-	330	33	9427	91881	11502	-	118,793
18	13	1069	-	99	30	-	-	4035	-	1376	15000	2130	-	23,739
19	14	611	92	278	482	-	-	4099	-	1679	11080	4229	-	22,550
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	8721	-	-	-	-	-	-	-	4829	14485	259	-	28,294
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	7388	1254	-	-	-	-	-	114	3819	1339	26132	-	40,046
25	24	1132	-	-	-	-	-	-	-	1110	-	4947	-	7,189
26	25	558	226	-	-	-	-	-	-	5929	346	16492	-	23,551
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	53481	5701	426	4323	-	231	13299	-	25715	143058	77330	-	323,564
	Total	258,107	12,464	1,837	5,722	-	231	21,763	1,459	137,289	532,570	293,630	-	1,265,072

Table F3. Continued.

b) Dry Salted (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	15244	-	15,244
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7	-	-	-	-	-	-	-	-	-	-	904	-	904
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	5731	-	5,731
18	13	-	-	-	-	-	-	-	-	-	-	2788	-	2,788
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	632	2024	-	2,656
21	17	-	-	-	-	-	-	-	-	-	-	6040	-	6,040
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	19914	-	19,914
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	3919	-	3,919
28	27	-	-	-	-	-	-	-	-	-	-	3508	-	3,508
3	28,29	-	-	-	89	-	-	-	-	-	6837	15245	-	22,171
	Total	-	-	-	89	-	-	-	-	-	7,469	75,317	-	82,875

Table F3. Continued.

c) Pickled (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	103	-	-	-	-	-	-	7	-	-	-	110
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	10	-	10
18	13	-	-	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	159	-	-	-	-	-	-	-	-	-	-	159
	Total	-	262	-	-	-	-	-	-	7	-	10	-	279

Table F3. Continued.

d) Fresh Frozen (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	4	13995	-	2049	-	-	-	3077	16048	74	3532	-	38,779
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	2154	-	946	-	-	-	3	5648	1	1	-	8,753
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	4	-	-	-	-	-	-	832	79	12	-	927
18	13	-	112	-	29	-	-	-	-	202	129	5321	-	5,793
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	23	1396	-	-	1,419
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	561	16	120	-	-	30	12	133	30	-	-	902
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	1063	171	-	20	-	-	-	-	-	-	-	-	1,254
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	72	-	-	-	72
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	192	6632	3	21914	32	-	413	772	10523	8892	8921	-	58,294
	Total	1,259	23,629	19	25,078	32	-	443	3,864	33,481	10,601	17,787	-	116,193

Table F3. Continued.

e) Smoked, including pickled smoked. (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	-	-	-
18	13	-	-	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	69	-	254	-	116	-	-	-	-	-	-	439
	Total	-	69	-	254	-	116	-	-	-	-	-	-	439

Table F3. Continued.

f) Mild Cured (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	3234	-	-	-	-	-	-	-	-	-	-	3234
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	6585	-	-	-	-	-	-	-	-	-	-	6585
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	-	-	-
18	13	-	-	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	1751	-	52	-	-	-	-	-	30	-	-	1833
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	6492	-	-	-	-	-	-	118	-	-	-	6610
	Total	-	18,062	-	52	-	-	-	-	118	30	-	-	18262

Table F3. Continued.

g) Bait (cwt)

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	196	196
11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	-	-	-
18	13	-	-	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-	-	-
20	15,16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	-	-
27	26	-	-	-	-	-	-	-	-	-	-	-	-	-
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	-	-	-	-	-	-	-	-	-	-	14[a]	0
	Total	-	-	-	-	-	-	-	-	-	-	-	196	196

a. Excluded from total because product was roe used as sport bait.

Table F3. Continued.

h) Roe (cwt)[b]

Area		Sockeye	Red Spring	Pink Spring	White Spring	Jack Spring	Spring	Blueback	Steelhead	Coho	Pink	Chum	Unknown	TOTAL
DBS	DFO													
5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	2	-	-	-	-	-	-	-	-	-	-	-	732	732
7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	5	-	-	-	-	-	-	-	-	-	-	-	-	-
10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
11	7	-	-	-	-	-	-	-	-	-	-	-	1199	1,199
12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	-	-	-	-	-	-	-	-	-	-	-	-	-
14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
17	11,12	-	-	-	-	-	-	-	-	-	-	-	287	287
18	13	-	-	-	-	-	-	-	-	-	-	-	161	161
19	14	-	-	-	-	-	-	-	-	-	-	-	162	162
20	15,16	-	-	-	-	-	-	-	-	-	-	-	100	100
21	17	-	-	-	-	-	-	-	-	-	-	-	-	-
22	18-20	-	-	-	-	-	-	-	-	-	-	-	-	-
23	21,22	-	-	-	-	-	-	-	-	-	-	-	-	-
24	23	-	-	-	-	-	-	-	-	-	-	-	874	874
25	24	-	-	-	-	-	-	-	-	-	-	-	-	-
26	25	-	-	-	-	-	-	-	-	-	-	-	265	265
27	26	-	-	-	-	-	-	-	-	-	-	-	147	147
28	27	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28,29	-	-	-	-	-	-	-	-	-	-	-	1388	1,388
	Total	-	-	-	-	-	-	-	-	-	-	-	5,315	5,315

b. Roe was a byproduct and was not included in calculation of aggregate GLW.

Table F4. Summary of canned packs, products and green landed weights for 1933.[a] GLW not adjusted for transfers.

a) Amount of salmon canned and processed by other methods, by species.

Species	Canned (cases)	Dry Salted (cwt)	Pickled (cwt)	Co. Fresh/Frozen (cwt)	Smoked (Kippered) (cwt)	Mild Cured (cwt)	Bait (cwt)	Roe (cwt)	Total GLW (cwt)
Sockeye	258,107	-	-	1,259	-	-	-	-	218,071
%	20.4			1.1					
Pink	532,570	7,469	-	10,601	-	30	-	-	467,343
%	42.1	9.0		9.1		0.2			
Chum	293,630	75,317	10	17,787	-	-	-	-	358,596
%	23.2	90.9	3.6	15.3					
Coho	159,052	-	7	33,924	-	118	-	-	167,715
%	12.6		2.5	29.2		0.6			
Chinook	20,254	89	262	48,758	439	18,114	-	-	94,192
%	1.6	0.1	93.9	42.0	100.0	99.2			
Steelhead	1,459	-	-	3,864	-	-	-	-	5,089
%	0.1			3.3					
Unknown	-	-	-	-	-	-	196	5,315	196
%							100.0	100.0	
Amount of Products	1,265,072	82,875	279	116,193	439	18,262	196	5,315	1,488,631
GLW (cwt)	1,062,661	103,594	419	116,193	746	27,393	196	0[b]	1,311,202

b) Green Landed Weights by areas and species (in cwt), of salmon processed in each area.

Area DBS	Area DFO	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
DISTRICT II									
5	1	-	-	-	-	-	-	-	-
6	2	-	-	19,055	-	-	-	-	19,055
7	3	8,196	37,217	1,491	2,731	1,089	41	-	50,765
8	4	25,629	80,532	16,732	49,571	23,819	3,301	-	199,584
9	5	2,368	10,450	3,844	7,563	-	-	-	24,225
10	6	1,103	12,643	22,300	11,341	13,378	3	196	60,964
11	7	8,723	19,722	70,711	9,061	181	207	-	108,605
12	8	9,736	32,977	8,102	4,348	124	487	-	55,774
13	9	64,660	4,260	569	2,895	367	69	-	72,820
14	10	31,138	16,796	7,426	4,257	297	73	-	59,987
Total		151,553	214,597	150,230	91,767	39,255	4,181	196	651,779
DISTRICT III									
17	11,12	3,976	77,259	16,852	9,028	749	28	-	107,892
18	13	898	12,729	10,595	4,747	249	-	-	29,218
19	14	513	9,307	3,552	4,854	716	-	-	18,942
20	15,16	-	2,186	2,530	23	-	-	-	4,739
21	17	-	-	7,550	-	-	-	-	7,550
22	18-20	7,326	12,242	218	4,219	3,402	12	-	27,419
23	21,22	-	-	-	-	-	-	-	-
24	23	7,269	1,125	46,843	3,208	1,244	96	-	59,785
25	24	951	-	4,155	932	-	-	-	6,038
26	25	469	291	13,853	5,052	190	-	-	19,855
27	26	-	-	4,899	-	-	-	-	4,899
28	27	-	-	4,385	-	-	-	-	4,385
Total		21,402	115,139	115,432	32,063	6,550	136	-	290,722
DISTRICT I									
3	28,29	45,116	137,607	92,934	43,885	48,387	772	0	368,701
Grand Total		218,071	467,343	358,596	167,715	94,192	5,089	196	1,311,202

a. Sources: Tables F2 and F3.

b. By-products, not included in calculation of aggregate Green Landed Weights.

Table F5a. Canned Pack (cases) and product (cwt) amounts, by area and company, from Supplemental Schedules completed by Fishery Officers for 1933.

Area		Company Number	Product[a]	Amount
DBS	DFO			
3	28,29	1	F	7,992
3	28,29	1	C	67,985
3	28,29	1	S	4,200
3	28,29	2	C	71,297
3	28,29	3	F	7,800
3	28,29	3	M	116
3	28,29	4	C	32,947
3	28,29	5	C	11,608
3	28,29	6	C	18,380
3	28,29	7	F	398
3	28,29	7	C	7,424
3	28,29	7	R	38
3	28,29	8	F	2,920
3	28,29	8	C	43,693
3	28,29	8	S	3,075
3	28,29	8	R	420
3	28,29	9	F	1,154
3	28,29	9	C	23,292
3	28,29	10	C	5,072
3	28,29	11	C	41,866
3	28,29	11	S	1,104
3	28,29	13	R	330
3	28,29	13	B	14
3	28,29	14	F	66
3	28,29	15	F	833
3	28,29	16	F	20,108
3	28,29	16	M	113
3	28,29	16	U	6,610
3	28,29	16	P	159
3	28,29	17	F	1,590
3	28,29	18	F	1,901
3	28,29	18	M	210
3	28,29	19	S	3,120
3	28,29	20	S	4,703
3	28,29	20	R	250
3	28,29	21	F	13,532
3	28,29	21	S	3,419
3	28,29	21	R	350
3	28,29	22	S	2,550
6	2	24	S	13,244
6	2	24	R	732
6	2	25	S	2,000
7	3	27	C	20,035
7	3	28	C	18,843
7	3	29	C	21,556
8	4	30	C	8,141
8	4	31	C	13,086
8	4	32	C	15,050
8	4	33	C	29,945
8	4	34	C	18,635
8	4	35	C	7,905
8	4	36	C	10,053
8	4	37	C	17,031
8	4	38	C	25,594
8	4	40	C	40,023
8	4	42	F	35,786
8	4	42	U	304
8	4	42	P	110
8	4	43	F	43
8	4	44	F	2,950
8	4	44	U	2,930
9	5	46	C	28,839
10	6	47	F	8,753
10	6	47	C	50,164
10	6	47	U	6,585
10	6	47	B	196
11	7	48	C	127,946
11	7	48	R	1,199
11	7	49	S	904
12	8	50	C	23,565
12	8	51	C	42,832
13	9	52	C	9,996
13	9	53	C	14,160
13	9	54	C	13,917
13	9	55	C	13,879
13	9	56	C	8,041
13	9	57	C	5,450
13	9	58	C	9,942
13	9	59	C	11,304
14	10	60	C	20,851
14	10	61	C	9,430
14	10	62	C	41,133
17	11,12	64	C	59,182
17	11,12	65	F	444
17	11,12	65	C	28,299
17	11,12	66	C	31,312
17	11,12	67	F	190
17	11,12	67	S	2,926
17	11,12	67	R	151
17	11,12	68	F	143
17	11,12	68	S	1,905
17	11,12	68	P	10
17	11,12	68	R	106
17	11,12	69	F	150
17	11,12	69	S	900
17	11,12	69	R	30
18	13	70	F	5,793
18	13	70	C	23,739
19	13	71	S	2,788
19	13	71	R	161
21	14	72	C	22,550
21	14	72	R	162
20	15,16	74	F	1,419
20	15,16	74	S	2,656
20	15,16	74	R	100
21	17	79	S	6,040
22	18-20	86	F	490
22	18-20	87	F	412
22	18-20	87	U	82
22	18-20	88	U	1,751
22	18-20	89	C	28,294
24	23	93	C	9,765
24	23	94	C	30,281
24	23	95	F	1,254
24	23	95	S	18,926
24	23	95	R	874
24	23	98	S	988
25	24	99	C	7,189
26	25	106	C	23,551
26	25	107	F	72
26	25	107	S	3,919
26	25	107	R	265
27	26	108	S	3,508
27	26	108	R	147
		Total (cases + cwt)		745,460

a.. See headings for Table F5b for key to products.

Table F5b. Summary of canned pack (cases) and product (cwt) amounts, by area, from Supplemental Schedules completed by officers for 1933.

Area			Canned	Dry Salted	Pickled	Fresh/ Frozen	Smoked	Mild Cured	Bait	Roe
DBS	DFO									
		Key:	C	S	P	F	M	U	B	R
5	1		-	-	-	-	-	-	-	-
6	2		-	15,244	-	-	-	-	-	732
7	3		60,434	-	-	-	-	-	-	-
8	4		185,463	-	110	38,779	-	3,234	-	-
9	5		28,839	-	-	-	-	-	-	-
10	6		50,164	-	-	8,753	-	6,585	196	-
11	7		127,946	904	-	-	-	-	-	1,199
12	8		66,397	-	-	-	-	-	-	-
13	9		86,689	-	-	-	-	-	-	-
14	10		71,414	-	-	-	-	-	-	-
17	11,12		118,793	5,731	10	927	-	-	-	287
18	13		23,739	2,788	-	5,793	-	-	-	161
19	14		22,550	-	-	-	-	-	-	162
20	15,16		-	2,656	-	1,419	-	-	-	100
21	17		-	6,040	-	-	-	-	-	-
22	18-20		28,294	-	-	902	-	1,833	-	-
23	21,22		-	-	-	-	-	-	-	-
24	23		40,046	19,914	-	1,254	-	-	-	874
25	24		7,189	-	-	-	-	-	-	-
26	25		23,551	3,919	-	72	-	-	-	265
27	26		-	3,508	-	-	-	-	-	147
28	27		-	-	-	-	-	-	-	-
3	28,29		323,564	22,171	159	58,294	439	6,610	14[a]	1,388
	TOTAL		1,265,072	82,875	279	116,193	439	18,262	196	5,315
									Total of All Products in All Areas (cases + cwt)	1,488,631

a. Excluded from the total because the product was actually salmon eggs sold in jars for sport fishing. Not included by DBS.

Table F6. Products prepared by fishermen (cwt) and recorded on Schedule II forms, 1933.

Area		Area Name	Dry Salted	Pickled	Fresh (by fishermen)	Smoked	Mild Cured	Bait	Total
DBS	DFO								
5	1	Massett Inlet & N. Graham Is., Queen Charlotte Is	-	-	-	-	-	-	-
6	2	Southern Queen Charlotte Islands, incl. Skidegate Inlet	-	-	-	-	-	-	-
7	3	The Naas River	-	-	-	-	-	-	-
8	4	Skeena River, including Prince Rupert and Upper Skeena	-	-	19	-	-	-	19
9	5	Grenville-Principe area	-	-	-	-	-	-	-
10	6	Butedale including Gardiner Canal	-	-	-	-	-	-	-
11	7	Bella Bella and Fitzhugh Sound	-	-	-	-	-	-	-
12	8	Bella Coola, Dean and Burke Channels	-	-	-	-	-	-	-
13	9	Rivers Inlet	-	-	-	-	-	-	-
14	10	Smiths Inlet	-	-	-	-	-	-	-
17	11,12	Cape Scott to Tuna Point., including waters between Vancouver Is & Mainland	-	-	13,521	-	-	3	13,524
18	13	Tuna Point to Shelter Point, including Mainland waters opposite	-	-	880	-	-	-	880
19	14	Shelter Point to French Creek	-	-	297	-	-	-	297
20	15,16	Mainland waters from George Point to Gower Point	-	-	3,147	-	-	-	3,147
21	17	French Creek to Shoal Harbour, including Nanaimo	-	-	1,529	-	-	-	1,529 [a]
22	18-20	Shoal Harbour to Sambrio Point, including Victoria	-	-	13,985	-	-	-	13,985
23	21,22	Sambrio Pt to Pachena Point, including Nitinat Arm	-	-	-	-	-	-	-
24	23	Barclay Sound and Port Alberni	-	-	19,209	-	-	-	19,209
25	24	Wreck Bay to Estevan Point, including Clayquot Sound	-	-	5,083	-	-	-	5,083
26	25	Estevan Point to Tachu Point, including Nootka Sound	-	-	281	-	-	-	281
27	26	Tatchu Point to Cape Cook, including Kyuquot Sound	-	-	5,806	-	-	-	5,806
28	27	Cape Cook to Cape Scott, including Quatsino Sound	-	-	2,417	-	-	-	2,417
3	28,29	Fraser River and Howe Sound	-	-	33,212	-	-	-	33,212
		Total	-	-	99,386	-	-	3	99,389

a. Based on pencilled changes to Schedule II for DBS area 21, this amount was revised to 1,529 cwt from 1,029 cwt after the DBS statistics for 1933 were finalised.

Table F7 . Green landed weight (GLW), canned pack and product statistics for 1933 from the Dominion Bureau of Statistics report on Fisheries Statistics of Canada (DBS) (Part a) of table), and from Schedule 1As (GLW), Supplemental Schedules and Schedules IIs and working tables on transfers (Part b) of table). Calculated GLW equals canned pack and product amounts in this table multiplied by conversion factors in Table D4. Published GLW (data column 1) has been adjusted by DBS for transfers.

Area Number		Area Name	GLW	Canned	Dry Salted	Pickled	Fresh/ Frozen	Smoked	Mild Cured	Bait	Calculated GLW
DBS	DFO		(cwt)	(cases)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)
a) Green Landed Weights and Canned/Product Amounts from DBS Report (Table F1).											
5	1	Massett Inlet & N. Graham Is., Queen Charlotte Is	29,287	-	-	-	-	-	-	-	-
6	2	Southern Queen Charlotte Islands, incl. Skidegate Inlet	43,597	-	15,244	-	-	-	-	-	19,055
7	3	The Naas River	95,183	60,434	-	-	-	-	-	-	50,765
8	4	Skeena River, including Prince Rupert and Upper Skeena	139,368	185,463	-	110	38,798	-	3,234	-	199,603
9	5	Grenville-Principe area	26,497	28,839	-	-	-	-	-	-	24,225
10	6	Butedale including Gardiner Canal	51,548	50,164	-	-	8,753	-	6,585	196	60,964
11	7	Bella Bella and Fitzhugh Sound	96,293	127,946	904	-	-	-	-	-	108,605
12	8	Bella Coola, Dean and Burke Channels	65,166	66,397	-	-	-	-	-	-	55,773
13	9	Rivers Inlet	88,497	86,689	-	-	-	-	-	-	72,819
14	10	Smiths Inlet	37,775	71,414	-	-	-	-	-	-	59,988
17	11,12	C. Scott to Tuna Pt., incl waters betwn Van Is. & Mainld	130,778	118,793	5,731	10	14,448	-	-	3	121,416
18	13	Tuna Pt. to Shelter Point, incl Mainland waters opposite	48,625	23,739	2,788	-	6,673	-	-	-	30,099
19	14	Shelter Point to French Creek	36,691	22,550	-	-	297	-	-	-	19,239
20	15,16	Mainland waters from George Point to Gower Point	19,810	-	2,656	-	4,566	-	-	-	7,886
21	17	French Creek to Shoal Harbour, including Nanaimo	22,229	-	6,040	-	1,029 [a]	-	-	-	8,579
22	18-20	Shoal Harbour to Sambrio Point, including Victoria	41,391	28,294	-	-	14,887	-	1,833	-	41,403
23	21,22	Sambrio Pt to Pachena Point, including Nitinat Arm	42,310	-	-	-	-	-	-	-	-
24	23	Barclay Sound and Port Alberni	52,505	40,046	19,914	-	20,463	-	-	-	78,994
25	24	Wreck Bay to Estevan Point, including Clayquot Sound	15,982	7,189	-	-	5,083	-	-	-	11,122
26	25	Estevan Point to Tachu Point, including Nootka Sound	21,462	23,551	3,919	-	353	-	-	-	25,035
27	26	Tatchu Point to Cape Cook, including Kyuquot Sound	10,191	-	3,508	-	5,806	-	-	-	10,191
28	27	Cape Cook to Cape Scott, including Quatsino Sound	6,420	-	-	-	2,417	-	-	-	2,417
3	28,29	Fraser River and Howe Sound	288,899	323,564	22,171	159	90,565 [b]	439	6,610	-	400,972
		Total	1,410,504	1,265,072	82,875	279	214,138	439	18,262	199	1,409,150

Table F7. Continued

Area Number		Area Name	Canned	Dry Salted	Pickled	Fresh/ Frozen	Smoked	Mild Cured	Bait	Calculated GLW
DBS	DFO		(cases)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)	(cwt)
b) Green Landed Weights and Canned/Product Amounts from Schedules (Tables F4 to F6).										
5	1	Massett Inlet & N. Graham Is., Queen Charlotte Is	-	-	-	-	-	-	-	-
6	2	Southern Queen Charlotte Islands, incl. Skidegate Inlet	-	15,244	-	-	-	-	-	19,055
7	3	The Naas River	60,434	-	-	-	-	-	-	50,765
8	4	Skeena River, including Prince Rupert and Upper Skeena	185,463	-	110	38,798	-	3,234	-	199,603
9	5	Grenville-Principe area	28,839	-	-	-	-	-	-	24,225
10	6	Butedale including Gardiner Canal	50,164	-	-	8,753	-	6,585	196	60,964
11	7	Bella Bella and Fitzhugh Sound	127,946	904	-	-	-	-	-	108,605
12	8	Bella Coola, Dean and Burke Channels	66,397	-	-	-	-	-	-	55,773
13	9	Rivers Inlet	86,689	-	-	-	-	-	-	72,819
14	10	Smiths Inlet	71,414	-	-	-	-	-	-	59,988
17	11,12	C. Scott to Tuna Pt., incl waters betwn Van Is. & Mainld	118,793	5,731	10	14,448	-	-	3	121,416
18	13	Tuna Pt. to Shelter Point, incl Mainland waters opposite	23,739	2,788	-	6,673	-	-	-	30,099
19	14	Shelter Point to French Creek	22,550	-	-	297	-	-	-	19,239
20	15,16	Mainland waters from George Point to Gower Point	-	2,656	-	4,566	-	-	-	7,886
21	14,17	French Creek to Shoal Harbour, including Nanaimo	-	6,040	-	1,529 [a]	-	-	-	9,079
22	18-20	Shoal Harbour to Sambrio Point, including Victoria	28,294	-	-	14,887	-	1,833	-	41,403
23	21,22	Sambrio Pt to Pachena Point, including Nitinat Arm	-	-	-	-	-	-	-	-
24	23	Barclay Sound and Port Alberni	40,046	19,914	-	20,463	-	-	-	78,994
25	24	Wreck Bay to Estevan Point, including Clayquot Sound	7,189	-	-	5,083	-	-	-	11,122
26	25	Estevan Point to Tachu Point, including Nootka Sound	23,551	3,919	-	353	-	-	-	25,035
27	26	Tatchu Point to Cape Cook, including Kyuquot Sound	-	3,508	-	5,806	-	-	-	10,191
28	27	Cape Cook to Cape Scott, including Quatsino Sound	-	-	-	2,417	-	-	-	2,417
3	28,29	Fraser River and Howe Sound	323,564	22,171	159	91,506 [b]	439	6,610	-	401,913
		Total	1,265,072	82,875	279	215,579	439	18,262	199	1,410,591

a. Amounts of Fresh/Frozen differ by 500 cwt due to a late correction to Schedule II by DMF. See Section 2.2.2 of this Appendix.

b. Amounts of Fresh/Frozen differ by 941 cwt as explained in Section 2.2.2 of this Appendix.

Table F8. Extract from Schedule II for DBS area 21 showing change to fresh salmon in 1933 (hand written).

SEA FISH AND FISH PRODUCTS MARKETED—*Concluded*

FISH MARKETED		Prepared by Fishermen		Factory Prepared (Do not fill in)		Total Marketed (Do not fill in)	
		Quantity	Value $	Quantity	Value $	Quantity	Value $
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col 6
IV.—*Con.*							
Salmon, used fresh	cwt.	~~1029~~ 1529 -	~~5145~~ 7648 -				
" canned	cases						
" smoked	cwt.						
" dry-salted	"						
" mild cured	"						
" pickled	"						
" roe	"						
Shad, used fresh	cwt.						
" salted	bbl.						
Smelts	cwt.	26 -	182 -				
Sturgeon, used fresh	"						
" caviar	lb.						
Trout, used fresh	cwt.						
" canned	cases						
V.—							
Black cod, used fresh	cwt.						
" green-salted	"						
" smoked	"						
" dried	"						
Ling cod, used fresh	"	4603 -	18412 -				
" green-salted	"						
" smoked	"						
" smoked fillets	"						
Red and rock cod, used fresh	"	265 -	1080 -				
" " green-salted	"						
" " smoked	"						
VI.—							
Albacore	cwt.						
Caplin and lance	bbl.						
Eels	cwt.						
Gray fish, oil	gal.						
" meal	ton						
Octopus	cwt.						
Oulachons	"						
Squid, used as bait	bbl.						
Swordfish	cwt.						
Tom cod	"						
Mixed fish	"						
VII.—Shellfish—							
Abalone, used fresh	bbl.						
" canned	cases						
Clams, used fresh	bbl.	2212 -	3318 -				
" canned	cases						
Cockles	cwt.						
Crabs, used fresh	"	4 -	28 -				
" canned	cases						
Lobsters in shell	cwt.						
" meat	"						
" canned	cases						
" Tomalley	"						
Mussels	cwt.						
Oysters	bbl.	913 -	7892 -				
Scallops, shelled	gal.						
" canned	cases						
Shrimps	cwt.						
[illegible]	"						

Table F9. Extract from Schedule 1A for District I (DBS area 3) showing footnote regarding sockeye imported from the United States in 1933.

Mackerel	"			
Sardines	bbl.			
Pilchards	cwt.	14 ✓	70 ✓	
IV.—				
Alewives	"			
Bass	"			
Perch	"	311 ✓	2128 ✓	
Salmon	"	288899 ✓	1100593 ✓	
Shad	"			
Smelts	"	434 ✓	3685 ✓	
Sturgeon	"	363 ✓	4702 ✓	
Trout	"	2612 ✓	10796 ✓	
V.—		~~1577~~	~~6655~~	
Black cod	"	22835 ✓	~~215363~~ ✓	114,175
Ling cod	"	881 ✓	2747 ✓	
Red and rock cod	"	4952 ✓	10180 ✓	
VI.— Gray Cod				
Albacore	"			
Caplin and lance	bbl.			
Eels	cwt.			
Gray fish	"			
Octopus	"	23 ✓	959 ✓	
Oulachon	"	153 ✓	533 ✓	
Squid	bbl.			
Sword fish	cwt.			
Tom cod	"			
Mixed fish (grayling, bull-heads, ouananiche, etc.)	"			
VII. SHELL FISH—			1355 ✓	
Abalone	bbl.			
Clams	"	271 ✓	~~3427~~ X	
Cockles	cwt.			
Crabs	"	4090 ✓	20404 ✓	
Lobsters	"			
Mussels	"			
Oysters	bbl.	1235 ✓	16969 ✓	
Scallops	"			549
Shrimps	cwt.	1167 ✓	16786 ✓	1,442
Winkles	"			
Dulse	"			
Seaweed	"			
XIII. MARINE ANIMALS— Cod Livers	"	220	4647 ✓	
Seals— Halibut	"	164 ✓	3456 ✓	1,543,787
Fur	No.			
Hair			~~1649869~~	
Whales				
Belugas				
Porpoises				

NOTE: Not included in above: Estimated quantity of fish caught and used for home consumption, of all varieties including shell-fish, by Whites, Indians and Orientals - 9916 Cwt. ✓

(*) Show in this column quantities taken by steam trawlers and vessels of 40 tons or over fishing on offshore grounds.

CERTIFICATE

THIS IS TO CERTIFY that the answers to this schedule are complete and correct to the best of my knowledge and belief.

Name of Officer furnishing the information

.....
(Name)

New Westminster, B.C.
(Post Office address)

Date of this return February 8th 1934

Note: 941 Cwt. of sockeye salmon was imported from U.S.A. during the season 1933 and canned in District No.I. (note included in above figures)

Table F10 Extracts from worksheets for fresh and canned salmon from the annual statistics for 1933. Continued.

53

Salmon ~~Department~~

~~Office at~~ Marketed Fresh 19

District

Area	No	Name	Average Prices	Cwts	Value	Area Totals Cwts	Area Totals Value
Fraser	1	B.C. Packers. Imperial		7.992	✓ 11.838 ✓		
River	3	Canadian Fishg Co		7.800	✓ 58.497 ✓		
&	7	Mark Gosse Fisheries		398	✓ 2.418 ✓		
Howe	8	St Mungo. Cannery		2.920	✓ 7.510 ✓		
Sound	9	Ocean Salmon Canneries		1.154	✓ 2.578 ✓		
	14	Billingsgate Fish Co		66	✓ 578 ✓		
	15	Edmunds & Walker Van		833	✓ 6.509 ✓		
	16	" " " N.W.		20.108	✓ 143.985 ✓		
	17	London Fish Co		1.590	✓ 10.657 ✓		
	18	Ocean Fisheries		1.901	✓ 15.623 ✓		
	21	River Fish Co		13.532	✓ 28.744 ✓	[illegible]	[illegible]
		Schedule 2		33.212	✓ 196.449 ✓	91,506	485,386

91,506

Species & Quantities - Supplemental Schedules

Sockeye	192
Springs	20.781
Steelheads	772
Bluebacks	413
Cohoe	10.523
Pinks	8.892
Chums	8.921
Can. Fishg Co Total.	7.800
	58.294

56

Salmon ~~Department~~

~~Office at~~ Canned 19

Area	No.	District 1		Cases	Value	Area Totals Cases	Area Totals Value
Fraser R. to H.S.	1	Imperial	B.C. Packers	67.985 ✓	416.717	✓	
"	2	Home	Can. Fishg Co	71.297 ✓	348.958	✓	
"	4	Colonial	Colonial Pkrs	32.947 ✓	184.033	✓	
"	5	Gt West	Gt West Pkg Co	11.608 ✓ ~~11.904~~	90.575	✓	
"	6	Glenrose	Johnston F.P.	18.380 ✓	113.022	✓	
"	8	St Mungo	Nelson Bros	43.693 ✓	256.202	✓	
"	9	Gt Northern	Ocean Cans	23.292 ✓	140.717	✓	
"	11	Bidwell	Q. Charlotte F.	41.866 ✓	200.604	✓	
"	7	Mark Gosse	Mk Gosse F.	7.424 ✓	31.518	✓	
"	10	Harlock	Pacific S Cans	5.072 ✓ ~~4.750~~	24.384	✓	
		10		64 323.541	1.796.730	323.541	1.796.730
		District 3					
C. Scott to T. A.	64	Knight Inlet	H.B.C. Pkg Co	59.182 ✓	265.096		
"	65	Alert Bay BCP	~~Can Fishg Co~~	28.299 ✓	114.651		
"	66	Bones Bay. C.F.C.	~~B.C. Packers~~	31.312 ✓	119.196	118.793	498.943
Vana Pt to Shell	70	Quathiaski	Quath. Cng Co	23.739 ✓	132.159	23.939	132.159
Shelter Pt to F.Ck	72	Deep Bay	Deep Bay Pkg Co	22.550 ✓	89.879	22.650	89.879
Sh. Hb to S. Pt	89	Empire.	J.H. Todd & Sons	28.294 ✓	228.554	28.294	228.554
Barclay S. PA	94	Kildonan	B.C. Packers	30.281 ✓	148.888		
"	93	Alberni	BC Empire SC	9.765 ✓	44.515	40.046	193.403
Ck Bay to Est Pt	99	Clayoquot	Clay: So Cy Co	7.189 ✓	36.545	7.189	36.545
Est Pt to Tahku	106	Nootka	Nootka Pkg Co	23.551 ✓	99.481	23.551	99.481
		19					
		Total District 3		264.162	1.278.964	264.162	1.278.964

Canned Salmon Values	Cs.	Value $
District 1.	323 ~~541~~ 64	1.796.730
" 2	677.246	4 352 429
" 3	264.162	1 278 964
Total B.C.	1,265,~~049~~ 72	7.428,123

Table F11 Salmon landings for the Skeena River area from DMF Prince Rupert files. Tables such as these were contained in a folder titled "Statement Showing Quantities of Salmon Caught, Amount of Gear Operated, and Escapement to Spawning Grounds – by Areas" from archive files at the Prince Rupert office.

STATEMENT SHOWING QUANTITIES OF SALMON CAU..., AMOUNT OF GEAR OPERATED, A... ESCAPEMENT TO SPAWNING G... ...NDS

NAAS RIVER AREA - FROM 1930 to

YEAR	SOCKEYE CWTS	SOCKEYE Seeding	SPRINGS CWTS	SPRINGS Seeding	COHO CWTS	COHO Seeding	PINKS CWTS	PINKS Seeding	CHUMS CWTS	CHUMS Seeding	STEELS CWTS	No. of boats Op. Troll.	No. of boats Op. GN	No. of boats Op. Seine
1930	22,256	Heavy	6,811	Good	10,363	Good	78,786	M - H	3,721	Med.	160	125	282	31
1931	14,221	L - M	4,140	Good	11,556	Light	5,522	L - M	655	L - M	178	63	240	2
1932	19,716	Heavy	9,659	Light	39,566	Light	43,612	M - H	12,668	M - H	418	94	280	19
1933	8,545	Light	10,093	Light	25,837	Med.	48,235	L - M	2,341	Light	132	64	305	14
1934	30,443	Heavy	8,607	Light	37,693	Heavy	31,757	M - H	4,673	Med.	261	68	232	33
1935	10,678	M - H	7,010	Heavy	31,911	Med.	21,483	Light	14,844	Heavy	120	90	307	27
1936	23,675	M - H	11,405	Heavy	34,929	Heavy	72,915	Med.	19,139	Heavy	427	108	361	21
1937	14,840	Med.	6,919	L - M	19,448	Light	7,268	Light	9,413	Light	229	110	299	15
1938	18,266	Heavy	4,124	Good	29,049	Heavy	52,297	Fair	12,837	Good	158	97	295	30
1939	19,540	Heavy	3,736	Good	11,462	Heavy	23,880	Good	2,093	Light	14	107	285	28
1940	11,071	L - M	3,679	Good	19,618	Heavy	24,343	Good	4,751	Med.	150	70	252	48
1941	19,903	M - H	5,315	Good	13,483	Heavy	18,653	Good	4,803	Med.	331	140	261	29
1942	19,577	Heavy	5,584	Good	20,673	Heavy	43,338	Heavy	10,160	Good	496	101	331	27
1943	12,829	M - H	3,572	Heavy	17,411	Med.	15,268	Fair	7,616	Good	306	158	233	12
1944	10,040	Med.	2,971	L - M	18,907	M - H	28,784	M - H	8,890	Better than Average	306	164	186	32
1945	7,442	Satisfact.	7,577	Good	26,321	Heavy	29,242	Heavy	4,118	Med.	187	172	154	18
1946	10,756	Satisfact.	8,704	Lt-Med	15,606	Heavy	7,526	Light	13,170	Good	255	185	173	35
1947	8,169	Med To Heavy	7,374	Medium	11,465	Light	4,800	Nass R.-Med. Gen. Light	8,764	Med. To Heavy	176	220	204	28
1948	9,868	M-H	6,484	M-H	14,942	Light	8,472	M - H	6,739	Medium	162	226	188	27
1949	6,900		4,156	64 Jacks	7,428½		28,885		6,350		317	224	131	46
1950	17,900		2,210		7,850		15,900		12,400		235	Days	Fishing	833
1951	14537		2380		18,510		57782		31812		275	7426	13179	392
1952	19501		3400		5200		13251		14026		230	5560	7267	800
1953	13363		3868		7091		13,733		23,664		263	4072	10497	633
1954	7036		3208		7457		27286		12,169		185	2881	8533	

Table F12. Copies of DMF worksheets containing data used to calculate salmon transfers amongst District II areas in 1933. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE MASSETT INLET AND NORTHERN GRAHAM ISLAND AREA - DISTRICT NO. 2, SEASON 1933

FROM NORTH B.C.I.AREA TO:

	Red Spring	White Spring	Coho	Pinks	Chums	How Processed
SKEENA RIVER AREA	4673 cwts	233 cwts	1396 cwts	2 cwts	2 cwts	Fresh & Frozen
SKEENA RIVER AREA	-	-	933 cs	-	-	Canned
BUTEDALE AREA	1044 cs	-	1504 cs	4 cs	-	Canned
BUTEDALE AREA	4530 cwts	-	-	-	-	Mild Cured
Butedale AREA	3175 cwts	355 cwts	1957 cwts	-	-	Frozen
NEW WESTMINSTER (Nelson Bros)	2498 cwts	276 cwts	702 cwts	-	-	
NEW WESTMINSTER (Edmunds & Walker)	8670 cwts	630 cwts	950 cwts	-	-	
	20540	1494				
TO NORTH B.C.I. FROM:	1,205					
	20745					

NO TRANSFERS OF SALMON WERE MADE INTO THIS AREA DURING 1933.

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE SOUTH Q.C.I. AREA.....SEASON 1933

	RED STRIP	COHO	CHUTS	HOW PROCESSED
FROM SOUTH Q.C.I. AREA TO:				
SKEENA RIVER AREA	--	412 cwts	--	Fresh & frozen
SKEENA RIVER AREA	--	2 cs	2095 cs	Canned
BUTEDALE AREA	3 cwts	178 cwts		Frozen
BELLA BELLA AREA	--	228 cs	24497 cs	Canned
VANCOUVER (per Bruce No.1 & B & Y)		267 cwts	--	--
VANCOUVER (Bidwell St. Cannery)		2 cwts	1150 cwts	--
TO SOUTH Q.C.I. AREA FROM:				

NO TRANSFERS OF SALMON WERE MADE INTO THE ABOVE AREA DURING 1933.

Table F12. Continued.

52

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE NAAS RIVER AREA .... SEASON 1933

	SOCKEYE	RED SP.	WHITE SP.	COHO	PINKS	CHUMS	STEELS	HOW PROCESSED
FROM NAAS AREA TO:								
SKEENA RIVER AREA..	+ 407 cs ✓	✓ + 36 cs	✓ + 30 cs	✓ +14868 cs	✓ +13100 cs	✓ +1003 cs	✓ 35 cs	CANNED
SKEENA RIVER AREA..	-	✓ 4253 cwts	✓ 729 cwts	✓ 8696 cwts	✓ 15 cwts	✓ 8 cwts	36 cwts	FRESH & FROZEN
BUTEDALE AREA.......	+ 9 cs ✓	+ 93 cs	-	✓ 897 cs	-	-	-	CANNED
BUTEDALE AREA.......	-	✓ 790 cwts	✓ 610 cwts	✓ 1167 cwts	-	-	-	FROZEN
BUTEDALE AREA.......	-	✓ 2469 cwts	-	-	-	-	-	MILD CURED
TO NAAS AREA FROM:	NO TRANSFERS OF SALMON WERE MADE INTO THE NAAS RIVER AREA DURING 1933.							
Total Shipped out and canned	416 Sockeye	129 R Spg	30 Wh. Spg	15,765 Cohoe	13,100 Pinks	1,003 Chums	65 Stlhds.	

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE SKEENA RIVER AREA ....SEASON 1933

	SOCKEYE	RED SPRING	WHTE SPR.	COHO	PINKS	CHUMS	STEELS	HOW PROCESSED
FROM SKEENA AREA TO....								
VANCOUVER (Nelson Bros).	41 cwts	3542 cwts	530 cwts	5 cwts	-	-	-	Canned
VANCOUVER (Col.Pkrs)....	420 cwts	-	-	-	350 cwts	-	-	Canned
	461	3542	530	5	350			
TO SKEENA AREA FROM.....								
NAAS AREA...............	407 cs	36 cs	30 cs	14868 cs	13100 cs	1003 cs	65 cs	CANNED
NAAS AREA...............	-	4253 cwts	729 cwts	8696 cwts	15 cwts	8 cwts	36 cwts	F & F.
LOWE INLET AREA..........	1864 cs	1 cs	-	1454 cs	2186 cs	737 cs	1 cs	CANNED
BUTEDALE AREA...........	1091 cs	-	-	1279 cs	981 cs	909 cs	-	CANNED
Q.C.I.AREA SOUTH.........	-	-	-	412 cwts	-	-	-	F & F
Q.C.I.AREA SOUTH.........	-	-	-	2 cs	-	2095 cs	-	CANNED
Q.C.I.AREA NORTH.........	-	4673 cwts	233 cwts	1386 cwts	2 cwts	2 cwts	-	F & F
Q.C.I.AREA NORTH	-	-	-	933 cs	-	-	-	CANNED
Dist.No.3 (Alert Bay)...	-	48 cwts	9 cwts	1014 cwts	1 cwt	2531 cwts	-	F & F
ALASKA..................	-	570 cwts	367 cwts	2500 cwts	-	14 cwts	-	F & F
To Vancouver (Cases Canned)	549	4.216	631	6	416			Totals 5,818
Total Shipped In	3362	37	30	18,536	16,267	4.744	66.	43,042
Balance In	2,813			18530	15,851	4.744	66	42,004
Balance Out		4.179	601					4.780

Table F12. Continued.

STATEMENT SHOWING THE TRANSFERS OF SALMON INTO AND OUT OF THE GRENVILLE-PRINCIPE AREA - DISTRICT NO. 2.....SEASON 1933

	SOCKEYE	RED SP.	COHO	PINKS	CHUMS	STEELS	HOW PROCESSED
FROM GRENVILLE PRINCIPE AREA TO:							
SKEENA RIVER AREA	1864 cs	1 cs	1454 cs	2186 cs	737 cs	1 cs	CANNED
TO GRENVILLE PRINCIPE AREA FROM:							
BUTEDALE AREA.....	43 cs	-	1015 cs	1393 cs	1086 cs	-	CANNED

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE BUTEDALE AREA.....SEASON 1933

	SOCKEYE	RED SP.	WHITE SP.	COHO	SPRING	CHUMS	HOW PROCESSED
TO BUTEDALE AREA FROM.....							
NAAS RIVER AREA	9 cs	93 cs	-	897 cs	-	-	CANNED
NAAS RIVER AREA	-	2489 cwts	-	-	-	-	MILD CURED *
NAAS RIVER AREA.....	-	790 cwts	610 cwts	1167 cwts	-	-	FROZEN
BELLA BELLA AREA.....	4 cs	42 cs	-	1369 cs	6 cs	1814 cs	CANNED
BELLA BELLA AREA.....	-	715 cwts	-	-	-	-	MILD CURED *
BELLA BELLA AREA.....	-	152 cwts	91 cwts	1720 cwts	-	-	FROZEN
NORTH Q.C.I.AREA.....	-	244 cs	-	1504 cs	4 cs	-	CANNED
NORTH Q.C.I.AREA.....	-	6530 cwts	-	-	-	-	MILD CURED
NORTH Q.C.I.AREA.....	-	1175 cwts	355 cwts	1957 cwts	-	-	FROZEN
SOUTH Q.C.I.AREA.....	-	3 cwts	-	178 cwts	-	-	FROZEN
FROM BUTEDALE AREA ~~TO~~: TO...							
RIVERS INLET AREA.....	585 cs	-	-	417 cs	2891 cs	203 cs	CANNED
BELLA BELLA AREA.....	69 cs	-	-	2276 cs	489 cs	1406 cs	CANNED
SKEENA RIVER AREA.....	1091 cs	-	-	1279 cs	981 cs	989 cs	CANNED
LOWE INLET AREA.....	43 cs	-	-	1015 cs	1393 cs	1086 cs	CANNED

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE BELLA BELLA AREA..... SEASON 1933

	SOCKEYE	RED SP.	WHITE SP.	COHO	PINKS	CHUMS	STEELS	HOW PROCESSED
FROM BELLA BELLA AREA TO:								
BUTEDALE AREA	4 cs	42 cs	-	1368 cs	6 cs	1814 cs	-	CANNED
SMITHS INLET AREA	92 cs	6 cs	-	349 cs	1799 cs	2962 cs	22 cs	CANNED
RIVERS INLET AREA	617 cs	7 cs	3 cs	92 cs	2 cs	3 cs	-	CANNED
BELLA COOLA AREA	1107 cs	22 cs	9 cs	93 cs	2447 cs	778 cs	116 cs	CANNED
VANCOUVER (Millerd)	12 cs	6 cs	-	278 cs	4051 cs	2621 cs	-	CANNED
VANCOUVER (Nelson Bros.)	2 cs	10 cs	-	1200 cs	2250 cs	475 cs	-	CANNED
BUTEDALE AREA	-	715 cwts	-	-	-	-	-	MILD CURED
VANCOUVER (Nelson Bros.)	-	749 cwts	-	-	-	-	-	MILD CURED
BUTEDALE AREA	-	158 cwts	91 cwts	1720 cwts	-	-	-	FROZEN
VANCOUVER (Nelson Bros)	-	-	109 cwts	-	-	-	-	FROZEN
TO BELLA BELLA AREA FROM:								
BUTEDALE AREA	69 cs	-	-	2278 cs	489 cs	1406 cs	-	CANNED
RIVERS INLET AREA	475 cs	160 cs.	6 cs	2755 cs	466 cs	4989 cs	4 cs	CANNED
SMITHS INLET AREA	377 cs	-	-	182 cs	265 cs	2566 cs	-	CANNED
BELLA COOLA AREA	748 cs	-	-	447 cs	9309 cs	242 cs	95 cs	CANNED
SOUTH B.C.I.AREA	-	-	-	228 cs	-	24497 cs	-	CANNED
SEYMOUR INLET AREA	-	-	-	223 cs	-	261 cs	-	CANNED

To Vancouver = 10.905 cs
= 9.160 cwts green
Add = 858 cwts
= 10,018 cwts total green weight to Home.

749
109
858

Table F12. Continued.

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE BELLA COOLA AREA .....SEASON 1933

	Sockeye cs	Red Spring cs	White Spring cs	Coho cs	Pinks cs	Chums cs	Steels cs	How Processed
FROM BELLA COOLA AREA TO:								
BELLA BELLA AREA.....	718	-	-	447	9309	242	95	CANNED
SMITHS INLET AREA.....	-	-	-	129	475	3030	-	CANNED
BIDWELL ST.CANNERY, VANC'R...	5	-	-	88	665	521	-	CANNED
TO BELLA COOLA AREA FROM:								
BELLA BELLA AREA.....	1107	22	9	93	2447	778	116	CANNED

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE RIVERS INLET AREA.....SEASON 1933

	Sockeye	Red sp	White Sp.	Coho	Pinks	Chums	Steels	How Processed
FROM RIVERS INLET AREA TO:								
SMITHS INLET AREA.....	179 cs	95 cs	15 cs	1769 cs	1257 cs	348 cs	16 cs	CANNED
BELLA BELLA AREA.....	475 cs	60 cs	6 cs	2755 cs	466 cs	4989 cs	4 cs	CANNED
VANCOUVER (Col.Packers).....	1566 cs	6 cs	-	13 cs	35 cs	5 cs	2 cs	CANNED
VANCOUVER (Johnston Pkrs).....	1827 cs	1 cs	-	1 cs	-	1 cs	-	CANNED
VANCOUVER (Millerd)	2203 cs	1 cs	-	5 cs	7 cs	2 cs	-	CANNED
	13,250	261	21	4,543	1.765	5,345	22	25,207 Total
TO RIVERS INLET FROM:								
BELLA BELLA AREA.....	617 cs	7 cs	3 cs	92 cs	2 cs	3 cs	-	CANNED
BUTEDALE AREA.....	585 cs	-	-	417 cs	2891 cs	203 cs	-	CANNED
SMITHS INLET AREA.....	1721 cs	-	-	-	-	-	-	CANNED
	2923	7	3	509	2893	206		6.541
Balance Shipped out	10.327	254	18	4034		5139	22	19,794
Balance Shipped In.					1.128			1.128

To Vancouver 5.675 cs
4767 cases

25,207
6541
18.666
1125

25,207
19,794
46 01

25,207
6541
18,666
1125
30 620

STATEMENT SHOWING THE QUANTITIES OF THE DIFFERENT VARIETIES OF SALMON TRANSFERRED INTO AND OUT OF THE SMITHS INLET AREA.....SEASON 1933

	Sockeye	Red Sp.	White Sp.	Coho	Pinks	Chums	Steels	How Processed
FROM SMITHS INLET AREA TO:								
BELLA BELLA AREA.....	377 cs	-	-	182 cs	265 cs	2566 cs	-	CANNED
~~SMITHS~~ INLET AREA.....	1721 cs	-	-	-	-	-	-	CANNED
VANCOUVER (Millerd).....	297 cs	-	-	-	-	-	-	CANNED
VANCOUVER (Johnston Fkrs)..	54 cs	-	-	-	-	-	-	CANNED
Runs	2449			182	265	2.566		5.462
TO SMITHS INLET AREA FROM:								
RIVERS INLET AREA.....	7179 cs	93 cs	15 cs	1769 cs	1257 cs	348 cs	16 cs	CANNED
BELLA BELLA AREA.....	92 cs	6 cs	-	349 cs	10799 cs	2962 cs	22 cs	CANNED
BELLA COOLA AREA.....	-	-	-	129 cs	475 cs	3030 cs	-	CANNED
SEYMOUR INLET AREA.....	2 cs	3 cs	1 cs	1405 cs	2 cs	1951 cs	-	CANNED
	7273	102	16	3652	12533	8291	38	31.905
Balance Shipped In	4.824	102	16	3470	12.268	5.725	38	26.443

To Vancouver 351 cs
294

Table F13. Transfers of sockeye (cwt) landed in District II, 1933.[a]

DBS No.	Area Name	Transfers From Areas: 3	5	6	7	Transfers Into Areas: 8	9	10	11	12	13	14	Total	Net Into/(Out)
5	North Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
6	South Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
7	The Naas River	-	-	-	-	342	-	8	-	-	-	-	350	(350)
8	Skeena River and Prince Rupert	461	-	-	-	-	-	-	-	-	-	-	461	2,363
9	Grenville-Principe area	-	-	-	-	1,566	-	-	-	-	-	-	1,566	(1,530)
10	Butedale incl. Gardiner Canal	-	-	-	-	916	36	-	58	-	491	-	1,501	(1,491)
11	Bella Bella and Fitzhugh Sound	12	-	-	-	-	-	3	-	930	518	77	1,540	(138)
12	Bella Coola, Dean, Burke Chan.	4	-	-	-	-	-	-	628	-	-	-	632	298
13	Rivers Inlet	4,701	-	-	-	-	-	-	399	-	-	6,030	11,130	(8,675)
14	Smiths Inlet	295	-	-	-	-	-	-	317	-	1,446	-	2,058	4,051
17	Cape Scott to Tuna Point	-	-	-	-	-	-	-	-	-	-	2	2	(2)
	Alaska	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	5,473	-	-	-	2,824	36	11	1,402	930	2,455	6,109		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F14. Transfers of pink salmon (cwt) landed in District II, 1933.[a]

DBS Area No.	Area Name	Transfers From Areas: 3	5	6	7	Transfers Into Areas: 8	9	10	11	12	13	14	Total	Net Into/(Out)
5	North Queen Charlotte Islands	-	-	-	-	2	-	3	-	-	-	-	5	(5)
6	South Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
7	The Naas River	-	-	-	-	11,019	-	-	-	-	-	-	11,019	(11,019)
8	Skeena River and Prince Rupert	350	-	-	-	-	-	-	-	-	-	-	350	13,332
9	Grenville-Principe area	-	-	-	-	1,836	-	-	-	-	-	-	1,836	(666)
10	Butedale incl. Gardiner Canal	-	-	-	-	824	1,170	-	411	-	2,428	-	4,833	(4,825)
11	Bella Bella and Fitzhugh Sound	5,293	-	-	-	-	-	5	-	2,055	2	9,071	16,426	(7,581)
12	Bella Coola, Dean, Burke Chan.	559	-	-	-	-	-	-	7,820	-	-	399	8,778	(6,723)
13	Rivers Inlet	35	-	-	-	-	-	-	391	-	-	1,056	1,482	948
14	Smiths Inlet	-	-	-	-	-	-	-	223	-	-	-	223	10,305
17	Cape Scott to Tuna Point	-	-	-	-	1	-	-	-	-	-	2	3	(3)
	Alaska	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	6,237	-	-	-	13,682	1,170	8	8,845	2,055	2,430	10,528		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F15. Transfers of chum salmon (cwt) landed in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:											Total	Net Into/(Out)
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14		
5	North Queen Charlotte Islands	-	-	-	-	2	-	-	-	-	-	-	2	(2)
6	South Queen Charlotte Islands	1,150	-	-	-	1,760	-	-	20,577	-	-	-	23,487	(23,487)
7	The Naas River	-	-	-	-	851	-	-	-	-	-	-	851	(851)
8	Skeena River and Prince Rupert	-	-	-	-	-	-	-	-	-	-	-	-	6,541
9	Grenville-Principe area	-	-	-	-	619	-	-	-	-	-	-	619	293
10	Butedale incl. Gardiner Canal	-	-	-	-	764	912	-	1,181	-	171	-	3,028	(1,504)
11	Bella Bella and Fitzhugh Sound	2,601	-	-	-	-	-	1,524	-	654	3	2,488	7,270	21,256
12	Bella Coola, Dean, Burke Chan.	438	-	-	-	-	-	-	203	-	-	2,545	3,186	(2,533)
13	Rivers Inlet	7	-	-	-	-	-	-	4,191	-	-	292	4,490	(4,317)
14	Smiths Inlet	-	-	-	-	-	-	-	2,155	-	-	-	2,155	4,809
17	Cape Scott to Tuna Point	-	-	-	-	2,531	-	-	219	-	-	1,639	4,389	(4,389)
	Alaska	-	-	-	-	14	-	-	-	-	-	-	14	(14)
	Total	4,196	-	-	-	6,541	912	1,524	28,526	654	174	6,964		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F16. Transfers of coho salmon (cwt) landed in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:											Total	Net Into/(Out)
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14		
5	North Queen Charlotte Islands	1,652	-	-	-	2,170	-	3,220	-	-	-	-	7,042	(7,042)
6	South Queen Charlotte Islands	269	-	-	-	414	-	178	192	-	-	-	1,053	(1,053)
7	The Naas River	-	-	-	-	21,185	-	1,920	-	-	-	-	23,105	(23,105)
8	Skeena River and Prince Rupert	5	-	-	-	-	-	-	-	-	-	-	5	29,573
9	Grenville-Principe area	-	-	-	-	1,221	-	-	-	-	-	-	1,221	(368)
10	Butedale incl. Gardiner Canal	-	-	-	-	1,074	853	-	1,914	-	350	-	4,191	3,996
11	Bella Bella and Fitzhugh Sound	1,242	-	-	-	-	-	2,869	-	78	77	293	4,559	576
12	Bella Coola, Dean, Burke Chan.	74	-	-	-	-	-	-	375	-	-	108	557	(479)
13	Rivers Inlet	16	-	-	-	-	-	-	2,314	-	-	1,486	3,816	(3,389)
14	Smiths Inlet	-	-	-	-	-	-	-	153	-	-	-	153	2,914
17	Cape Scott to Tuna Point	-	-	-	-	1,014	-	-	187	-	-	1,180	2,381	2,381
	Alaska	-	-	-	-	2,500	-	-	-	-	-	-	2,500	(2,500)
	Total	3,258	-	-	-	29,578	853	8,187	5,135	78	427	3,067		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F17. Transfers of chinook salmon (cwt) landed in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:											Total	Net Into/(Out)
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14		
5	North Queen Charlotte Islands	9,068	-	-	-	4,906	-	8,265	-	-	-	-	22,239	(22,239)
6	South Queen Charlotte Islands	-	-	-	-	-	-	3	-	-	-	-	3	(3)
7	The Naas River	-	-	-	-	5,037	-	3,967	-	-	-	-	9,004	(9,004)
8	Skeena River and Prince Rupert	4,072	-	-	-	-	-	-	-	-	-	-	4,072	6,866
9	Grenville-Principe area	-	-	-	-	1	-	-	-	-	-	-	1	(1)
10	Butedale incl. Gardiner Canal	-	-	-	-	-	-	-	-	-	-	-	-	13,234
11	Bella Bella and Fitzhugh Sound	871	-	-	-	-	-	999	-	26	8	5	1,909	(1,770)
12	Bella Coola, Dean, Burke Chan.	-	-	-	-	-	-	-	-	-	-	-	-	26
13	Rivers Inlet	7	-	-	-	-	-	-	139	-	-	91	237	(229)
14	Smiths Inlet	-	-	-	-	-	-	-	-	-	-	-	-	99
17	Cape Scott to Tuna Point	-	-	-	-	57	-	-	-	-	-	3	60	(60)
	Alaska	-	-	-	-	937	-	-	-	-	-	-	937	(937)
	Total	14,018	-	-	-	10,938	-	13,234	139	26	8	99		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F18. Transfers of steelhead (cwt) in District II, 1933.[a]

Transfers From Areas:		Transfers Into Areas:											Total	Net Into/(Out)
DBS No.	Area Name	3	5	6	7	8	9	10	11	12	13	14		
5	North Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
6	South Queen Charlotte Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
7	The Naas River	-	-	-	-	91	-	-	-	-	-	-	91	(91)
8	Skeena River and Prince Rupert	-	-	-	-	-	-	-	-	-	-	-	-	92
9	Grenville-Principe area	-	-	-	-	1	-	-	-	-	-	-	1	(1)
10	Butedale incl. Gardiner Canal	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Bella Bella and Fitzhugh Sound	-	-	-	-	-	-	-	-	97	-	18	115	(32)
12	Bella Coola, Dean, Burke Chan.	-	-	-	-	-	-	-	80	-	-	-	80	17
13	Rivers Inlet	2	-	-	-	-	-	-	3	-	-	13	18	(18)
14	Smiths Inlet	-	-	-	-	-	-	-	-	-	-	-	-	31
17	Cape Scott to Tuna Point	-	-	-	-	-	-	-	-	-	-	-	-	-
	Alaska	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	2	-	-	-	92	-	-	83	97	-	31		

a. Source: DMF worksheets in Table F12. Area 3 is Fraser River.

Table F19. Summary and comparison of results from transfer analyses using primary data from the Federal Record Centre archive records (A, B, C) and from the Prince Rupert tables (D) for salmon landings in District II, 1933.

Area No.	Area Name	GLW (cwt)						
		Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
A. Green Landed Weight from Canned Pack/Product Data (Table F4 part b)								
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	-	-	-	-	-	-	0
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	-	-	19,055	-	-	-	19,055
7	The Naas River	8,196	37,217	1,491	2,731	1,089	41	50,765
8	Skeena River, including Prince Rupert and Upper Skeena	25,629	80,532	16,732	49,571	23,819	3,301	199,584 [a]
9	Grenville-Principe area	2,368	10,450	3,844	7,563	-	-	24,225
10	Butedale including Gardiner Canal	1,103	12,643	22,300	11,341	13,378	3	60,768 [b]
11	Bella Bella and Fitzhugh Sound	8,723	19,722	70,711	9,061	181	207	108,605
12	Bella Coola, Dean and Burke Channels	9,736	32,977	8,102	4,348	124	487	55,774
13	Rivers Inlet	64,660	4,260	569	2,895	367	69	72,820
14	Smiths Inlet	31,138	16,796	7,426	4,257	297	73	59,987
	Total	151,553	214,597	150,230	91,767	39,255	4,181	651,583
B. GLW Transfers Into/(Out) of Each Area (Tables F13 - F18)								
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	-	(5)	(2)	(7,042)	(22,239)	-	(29,288)
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	-	-	(23,487)	(1,053)	(3)	-	(24,543)
7	The Naas River	(350)	(11,019)	(851)	(23,105)	(9,004)	(91)	(44,420)
8	Skeena River, including Prince Rupert and Upper Skeena	2,363	13,332	6,541	29,573	6,866	93	58,768
9	Grenville-Principe area	(1,530)	(666)	293	(368)	(1)	(1)	(2,273)
10	Butedale including Gardiner Canal	(1,491)	(4,825)	(1,504)	3,996	13,234	-	9,410
11	Bella Bella and Fitzhugh Sound	(138)	(7,581)	21,256	576	(1,770)	(32)	12,311
12	Bella Coola, Dean and Burke Channels	298	(6,723)	(2,533)	(479)	26	17	(9,394)
13	Rivers Inlet	(8,675)	948	(4,317)	(3,389)	(229)	(18)	(15,680)
14	Smiths Inlet	4,051	10,305	4,809	2,914	99	31	22,209
	Total	(5,472)	(6,234)	205	1,623	(13,021)	(1)	(22,900)

Table F19. Continued.

Area No.	Area Name	GLW (cwt)						
		Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
C. Calculated Green Landed Weight, Corrected for Transfers (A-B)								
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	0	5	2	7,042	22,239	0	29,288
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	0	0	42,542	1,052	3	0	43,597
7	The Naas River	8,545	48,236	2,342	25,837	10,094	132	95,186
8	Skeena River, including Prince Rupert and Upper Skeena	23,266	67,200	10,192	19,998	16,953	3,210	140,819
9	Grenville-Principe area	3,898	11,116	3,551	7,932	1	1	26,499
10	Butedale including Gardiner Canal	2,594	17,468	23,804	7,344	144	3	51,357
11	Bella Bella and Fitzhugh Sound	8,861	27,304	49,452	8,485	1,952	240	96,294
12	Bella Coola, Dean and Burke Channels	9,439	39,699	10,635	4,828	98	469	65,168
13	Rivers Inlet	73,335	3,312	4,886	6,284	595	87	88,499
14	Smiths Inlet	27,085	6,491	2,617	1,342	198	41	37,774
	Total	157,023	220,831	150,023	90,144	52,277	4,183	674,481
D. Green Landed Weights from Prince Rupert Tables								
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	0	5	2	7,191	22,239	0	29,437
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	0	0	42,542	1,052	3	0	43,597
7	The Naas River	8,545	48,235	2,341	25,837	10,093	132	95,183
8	Skeena River, including Prince Rupert and Upper Skeena	23,266	67,277	10,192	19,887	15,536	3210	139,368
9	Grenville-Principe area	3,897	11,115	3,551	7,932	1	1	26,497
10	Butedale including Gardiner Canal	2,470	16,636	22,271	7,023	251	3	48,654
11	Bella Bella and Fitzhugh Sound	8,862	27,301	49,453	8,485	1,952	240	96,293
12	Bella Coola, Dean and Burke Channels	9,438	39,699	10,634	4,828	98	469	65,166
13	Rivers Inlet	73,350	3,300	4,879	6,280	601	87	88,497
14	Smiths Inlet	27,086	6,491	2,617	1,342	198	41	37,775
	Total	156,914	220,059	148,482	89,857	50,972	4,183	670,467

a. 19 cwt of fresh/frozen salmon prepared by fishermen excluded because species composition was unknown.

b. 196 cwt of salmon bait excluded because species composition was unknown.

Table F20. District II GLWs from DMF Prince Rupert archive tables divided by calculated GLWs from the transfer analysis, 1933.[a]

Area No.	Area Name	GLW (cwt)						
		Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
5	Massett Inlet & N. Graham Is., Queen Charlotte Is	1.0000	1.0000	1.0000	1.0212	1.0000	1.0000	1.0051
6	Southern Queen Charlotte Islands, incl. Skidegate Inlet	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
7	The Naas River	1.0000	1.0000	0.9996	1.0000	0.9999	0.9988	1.0000
8	Skeena River, including Prince Rupert and Upper Skeena	1.0000	1.0012	1.0000	0.9944	0.9164	0.9999	0.9897
9	Grenville-Principe area	0.9998	0.9999	1.0000	1.0000	1.0000	1.0000	0.9999
10	Butedale including Gardiner Canal	0.9522	0.9524	0.9356	0.9563	1.7409	1.0000	0.9474
11	Bella Bella and Fitzhugh Sound	1.0001	0.9999	1.0000	1.0000	0.9998	0.9980	1.0000
12	Bella Coola, Dean and Burke Channels	0.9999	1.0000	0.9999	1.0000	0.9967	0.9996	1.0000
13	Rivers Inlet	1.0002	0.9965	0.9986	0.9994	1.0099	1.0014	1.0000
14	Smiths Inlet	1.0000	1.0000	0.9998	0.9999	0.9982	0.9981	1.0000
	Total	0.9993	0.9965	0.9897	0.9968	0.9750	1.0000	0.9940

a. DMF GLW and calculated GLW from Table F19.

Table F21. Comparison of GLW data (in cwt) for 1933 from the DBS report, DMF Schedules and the authors' transfer analysis[a]

Area No.			1	2	3	4	5
DBS	DFO	Area Name	DBS	DMF Schedules	1-2	Transfer Analysis	1-4
5	1	Massett Inlet & N. Graham Is., Queen Charlotte Is	29,287	29,287	0	29,288	-1
6	2	Southern Queen Charlotte Islands, incl. Skidegate Inlet	43,597	43,597	0	43,597	0
7	3	The Naas River	95,183	95,183	0	95,186	-3
8	4	Skeena River, including Prince Rupert and Upper Skeen	139,368	139,368	0	140,819	-1,451
9	5	Grenville-Principe area	26,497	26,497	0	26,499	-2
10	6	Butedale including Gardiner Canal	51,548	51,548	0	51,357	191
11	7	Bella Bella and Fitzhugh Sound	96,293	96,293	0	96,294	-1
12	8	Bella Coola, Dean and Burke Channels	65,166	65,166	0	65,168	-2
13	9	Rivers Inlet	88,497	88,497	0	88,499	-2
14	10	Smiths Inlet	37,775	37,775	0	37,774	1
17	11,12	C. Scott to Tuna Pt., incl waters betwn Van Is. & Mainl	130,778	128,588	2,190	-	-
18	13	Tuna Pt. to Shelter Point, incl Mainland waters opposite	48,625	44,245	4,380	-	-
19	14	Shelter Point to French Creek	36,691	30,121	6,570	-	-
20	15,16	Mainland waters from George Point to Gower Point	19,810	11,050	8,760	-	-
21	17	French Creek to Shoal Harbour, including Nanaimo	22,229	9,079	13,150	-	-
22	18-20	Shoal Harbour to Sambrio Point, including Victoria	41,391	41,391	0	-	-
23	21,22	Sambrio Pt to Pachena Point, including Nitinat Arm	42,310	31,360	10,950	-	-
24	23	Barclay Sound and Port Alberni	52,505	52,505	0	-	-
25	24	Wreck Bay to Estevan Point, including Clayquot Sound	15,982	15,982	0	-	-
26	25	Estevan Point to Tachu Point, including Nootka Sound	21,462	21,462	0	-	-
27	26	Tatchu Point to Cape Cook, including Kyuquot Sound	10,191	10,191	0	-	-
28	27	Cape Cook to Cape Scott, including Quatsino Sound	6,420	6,420	0	-	-
3	28,29	Fraser River and Howe Sound	288,899	288,899	0	-	-
		Total	########	1,364,504	46,000		

a. Source: DBS GLW (in Table F1); DMF Schedules 1A and II GLW (e.g. Tables B25 and B27); Transfer Analysis GLW (in Table F19 part C). Transfer analysis of District III and District I data is in Section 4 of Appendix F.

Table F22. DMF worksheet from 1933 illustrating the discrepancy between "Salmon Shipped Out" and "Salmon Shipped In". These totals should balance when all transfers are accounted for.

Statement Showing Catch of Salmon, Quantities Marketed, and Quantities Shipped.

Area	Caught & Landed from Schedules III Cwts	Used Fresh Cwts	Canned Green Cwts	Dry Salted Green Cwts	Mild Cured Green Cwts	Used as Bait Cwts	Smoked Green Cwts	Pickled Green Cwts	Total Marketed converted to Green Cwts	Add Salmon Shipped Out	Deduct Salmon Shipped In	Total Salmon Produced in Area
District No 1	288.899	91.506	271.794	27.714	9.916	..	746	239	401.915	..	113.016	288.899
Queen Charlotte I NH	29.287	..	..	..	..	..	..	..	..	29.287	..	29.287
" " " SH	43.597	..	..	19.055	..	..	..	..	19.055	24.542	..	43.597
The Naas River	95.183	..	50.764	..	..	..	..	..	50.764	44.419	..	95.183
The Skeena River	139.368	38.798	155.789	..	4.551	..	..	165	199.603	4.888	65.123	139.368
Grenville Principe	26.497	..	22.224	..	..	..	..	..	24.224	5.244	2.971	26.497
Butedale	51.548	8.753	42.137	..	9.578	196	..	..	60.964	13.553	22.969	51.548
Bella Bella	96.293	..	107.474	1.130	..	..	..	..	108.604	31.820	44.131	96.293
Bella Coola	65.166	..	55.773	..	..	..	..	..	55.773	9.393	..	65.166
Rivers Inlet	88.497	..	72.818	..	..	..	..	..	72.818	21.173	5.494	88.497
Smiths Inlet	37.775	..	59.987	..	..	..	..	..	59.987	4.588	26.800	37.775
C. Scott to Vana R.	128.588	14.448	99.786	7.163	..	..	..	15	121.412	10.463	3.287	128.588
Vana R. to Shelter P.	44.245	6.693	19.961	3.485	..	..	..	..	30.099	14.146	..	44.245
Shelter P. to Gravel Cr.	30.121	1.716	18.942	..	..	..	..	..	20.658	9.463	..	30.121
George P. K Tower P.	11.050	3.147	..	3.320	..	..	..	..	6.467	4.583	..	11.050
French Cr to Shoal Hbr	9.079	1.829	..	7.550	..	..	..	..	9.079	..	..	9.079
Shoal Hbr to Sombrio P.	41.391	14.887	23.767	..	2.749	..	..	..	41.403	..	12	41.391
Sombrio P. to Pachena P.	31.360	..	..	..	..	..	..	..	..	31.360	..	31.360
Barclay S. & P. Alberni	52.505	20.463	33.638	24.892	..	..	..	..	78.993	..	26.488	52.505
Wreck Bay to Esteven P.	15.982	5.083	6.039	..	..	..	..	..	11.122	4.860	..	15.982
Esteven P. to Tatchu P.	21.462	.353	19.783	4.898	..	..	..	..	25.034	..	3.572	21.462
Tatchu P. to Cape Cook	10.191	5.806	..	4.385	..	..	..	..	10.191	..	..	10.191
Cape Cook to Cape Scott	6.420	2.417	..	..	..	..	..	..	2.417	4.003	..	6.420
	1.364.504	215.579	1.062.656	103.592	27.394	196	746	409	1.410.582	267.985	313.563	1.364.504
										Difference	46.978 cwts	

Table F23. Comparison of data from worksheets and from Statistical Basebook No. 3 (Anon. 1958) regarding the transfers of canned salmon (in cases) between areas in 1933.[a]

	Data from Worksheets							Basebook Data
	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total	
Nass	(416)	(13,100)	(1,003)	(15,765)	(159)	(65)	(30,508)	(30,508)
Skeena	2,813	15,851	4,744	18,530	(4,780)	66	37,224	37,224
Rivers-Smith	(5,503)	13,396	586	(564)	(154)	16	7,777	7,777

a. Basebook (Anon. 1958) transfers for 1933 equal pack totals from Basebook Table 16 minus pack totals from Basebook Table 15.

Table F24. Copies of DMF worksheets for District III in 1939 containing results from DMF's transfer analysis to determine total GLW. Continued.

17

CAPE SCOTT - TUNA POINT

SALMON

Supp.	126,737	owts.
Schedule 11	13,566	"
Shipped Out	91,742	"
	232,045	owts.
Shipped IN	7,547	"
Schedule 1A	224,498	owts.

SHIPPED OUT

To Tuna Pt. - Shelter Pt.	12,220	owts.
Estevan Pt. - Tatchu Pt.	1,894	"
District No. 1 (80223 cases)	64,178	"
District No. 2 (12,796 cases)	10,237	"
District No.1 fresh markets	3,213	"
	91,742	owts.

SHIPPED IN

From District No. 1 (977 cases)	781	owts.
District No. 2 (8317 cases)	6654	"
Tuna Pt. - Shelter Pt.	112	"
	7,547	owts.

CLAMS SHIPPED OUT

To District No.1	4116	owts.
Shaol Hbr.- Sombrio Pt.	873	"
	4989	owts.

HERRING.

Shipped out	117,380	owts.
Schedule 11	416	
	117,796	owts
Less	220	"
Sched.1A	117,576	owts.

shipped in (20 owts from Dist.2
200 " " lower East coast, but previously shipped from there to District1.)

Table F24. Continued.

TUNA POINT - SHELTER POINT

18

SALMON

Supp.	44,689	cwts.
Schedule 11	175	"
Shipped Out	61,531	"
	106,395	cwts.
Shipped IN	16,367	"
Schedule LA	90,028	cwts.

SHIPPED OUT

To District No. 1	61419 cwts.	(76,774 cases)
Cape Scott - Tuna Pt.	112 "	
	61531 cwts.	

SHIPPED IN

From Cape Scott - Tuna Pt.	12,220 cwts.
Shelter Pt. - French C.	941 "
George Pt. - Gower Pt.	3,206 "
	16,367 cwts.

SHIPPED TO VANCOUVER MARKETS.

Ling Cod	6,610 cwts.
" livers	199 cwts.

Table F24. Continued.

19

SHELTER POINT TO FRENCH CREEK

Schedule 1A.

Shipped Out

Mixed fish.

To District No; 1 fresh markets.

Flounders	133 cwts.
Skate	18 "
Soles	384 "
Perch	11 "
Graycod	487 "
Oysters	175.3 bbls.

SALMON

Shipped out.

To Tuna Pt. to Shelter Point. 941 cwts.

District No. 1 18,383 " (22,979 cases)

19,324 cwts.

Schedule 11 1,277 "

Schedule 1A. 20.601 cwts.

GRAYFISH

659.3 tons meals @ 6 tons per 1 ton meal - 79,116 cwts.

Shipped IN.

From French Ck-Shoal Bay 44,520 cwts.
George Pt. -Gower Pt. 9,540 "

54,060 cwts.

Taken in area 25,056 "

79,116 cwts.

Table F24. Continued.

20

GEORGE POINT TO GOWER POINT.

Schedule 1A.

Salmon

Shipped out	19,591 cwts.
Schedule 11	3,332 "
	22,923 cwts.

Shipped out

To Tuno Pt. - Shelter Pt.	3,206 cwts.	
District No. 1	16,385 "	(20,481 cases)
	19,591 cwts.	

Grayfish

To Shelter Pt. - French Creek 9,540 cwts.

21

FRENCH CREEK - SHOAL HARBOUR

SUMMARY

SALMON

Schedule 11	2435 owts.	
Shipped out to District No.1	6855 "	(6569 cases)
	9290 owts.	

HERRING SUMMARY

Supp. Schedule	237,757 owts.	
Shipped out	357,784 "	
Schedule 11	7,242 "	
	602,783 owts.	

Supp. Schedules	
U.S.	4960 owts.
D.S.	184362 "
Pkld.	2715 "
Bait	1560 "
Reduced	44,160 "
	238,757 owts.

SHIPPED OUT

To Shoal Hbr. - Sombrio Pt.	2,374	owts.
Tatchu Pt. - Cape Cook	3,100	"
Barclay Sd . & Port Alberni	28,340	"
" "	8,340	"
District No. 1	315,630	"
	357,784	owts.

CRAYFISH

To Shelter Pt. - French C.	44,520	owts.
Supp. Schedules	20,040	"
	64,560	owts.

CLAMS

Shipped Out.

To Shoal Harbour - Sombrio Pt. 2,527 owts.

MIXED FISH Shipped to Vancouver markets.

Graycod	3,608	owts.
Soles	713	"
Lingcod	5,866	"
" " livers	205	"
Perch	78	"
Smelts	17	"

Table F24. Continued.

22

SHOAL HARBOUR - SOMBRIO POINT

SALMON

Supp.	9548	owts.
Schedule 11	10202	"
Shipped Out	8497	"
	28,247	owts.
Less Shipped IN	4,948	"
	23, 299	owts.

SHIPPED IN

From Barclay Sd. & Port Alberni	2403	owts.
Tatchu Pt. - Cape Cook	1765	"
Wreck Bay - Estevan Pt.	780	"
	4948	owts.

SHIPPED OUT

TO District 1 (6583 cases)	5266	owts.
" fresh markets	3231	"
	8497	owts.

HERRING

Supp.	2374	owts.
Schedule 11	1185	"
	3559	"
Less Shipped IN	2374	"
Schedule 1A	1185	owts.

CLAMS

Supp. (1 case & 150 lbs.)	3400	owts.
Schedule 11	280	"
Less x Shipped x IN	3680	owts.
Less Shipped IN	3400	"
Schedule 1A	280	owts.

Shipped IN

From French Ck.- Shoal Harbour	2527	owts.
Cape Scott - Tuna Pt.	873	"
	3400	owts.

Table F24. Continued.

73

SOMBRIO POINT TO PACHENA POINT, Incl. NITINAT ARM.

Salmon.

Shipped out 12,402 cwts to Barclay Sd & Pt. Alberni
15,530 " " District No: 1 (19413 cs)
27,932 cwts. Schedule 1A.

24

BARCLAY SOUND AND PORT ALBERNI

SALMON

Supp.	45,316	cwts.
Schedule 14.	15,722	"
Shipped Out	9,646	"
	70,684	"
Less	13,576	" Shipped IN.
Schedule 1A	57,108	cwts.

Shipped Out

To Estevan Pt. - Tatchu Pt.	539	cwts.
Shoal Hbr. - Sombrio Pt.	2403	"
District No. 1	6704	" (8380 cases)
	9646	cwts.

Shipped IN

From Sombrio Pt. - Pachena Pt.	12,402	cwts.
Wreck Bay - Estevan Pt.	1,174	"
	13,576	cwts.

HERRING

Supp.	129,613	cwts.
Shipped Out	6,460	" To Estevan Pt. - Tatchu Pt.
	136,073	cwts.
Less Shipped IN	36,680	" from French C. - Shaol Harbour.
	99,393	cwts.

Shipped to Vancouver Markets - District No. 1

Ling Cod	2229	cwts.
" livers	69	"
Soles	150	"
Flounders	20	"
Halibut	138	"

Table F24. Continued.

25

WREOK BAY - ESTEVAN POINT

Schedule 1A

Salmon.

Shipped Out	9078 cwts.
Schedule 11	6174 "
	15,252 cwts.

Shipped Out

To District No. 1	5,125	cwts. (6406 cases)
Barclay Sd. & Pt. Alberni	1,174	"
Estevan Pt.-Tatchu Pt.	216	"
Tatchu Pt.-Cape Cook	1,783	"
Shoal Hbr.-Sombrio Pt.	780	"
	9,078	cwts.

Table F24. Continued.

76

Estevan Point to Tatchu Point.

SALMON.

Supp.	27,214	cwts.
Sched 2.	405	"
	27619	"
Shipped in.....	18241	"
Sched.1A.....	9378	cwts.

Shipped in.

216	cwts	from	Wreck Bay-Estevan Pt.
1,894	"	"	Cape Scott-Tuna Point.
539	"	"	Barclay Sd and Port Alberni.
7,942	"	"	Tatchu Point-Cape Cook.
7,650	"	"	Cape Cook-Cape Scott.
18,241	cwts.		

HERRING.

Supp. 3758 tons meal @ 5.5 per ton =	413,380	cwts.
Canned.....	8,979	"
	422,359	"
Less shipped in.....	378,939	"
Sched.1A.....	43,420	cwts.

Shipped in.

317,779	cwts	from	District No: 2.
6,460	"	"	Barclay Sd.and Port Alberni.
54,700	"	"	Cape Cook-Cape Scott.
378,939	cwts.		

Table F24. Continued.

27

TATCHU POINT TO CAPE COOK, INCLUDING KYUQUOT SOUND

Schedule 1A. Summary

Salmon

Supp.	2,843 cwts.
Shipped out	10,283 "
Schedule 11	9,707 "
	22,833 cwts.
Less IN	2,106 "
Schedule 1A	20,727 cwts.

Shipped OUT

To Estevan Pt. - Tatchu Pt.	7,942 cwts.	
Shoal Harbour - Sombrio Pt.	1765 "	
District No. 1	576 "	(720 cases)
	10,283 cwts.	

Shipped IN

From Wreck Bay - Estevan Pt.	1,783 cwts.
Cape Cook - Cape Scott	323 "
	2,106 cwts.

Herring

Reduced	6,958 cwts.
Lee Shipped in from East Coast	3,100 "
	3,858 cwts.

Table F24. Continued.

28

CAPE COOK - CAPE SCOTT

Summary 1A.

Salmon

Shipped out	9,376 cwts.
Schedule 11	6,867 "
Schedule 1A	16,243 cwts.

Shipped Out.

To Estevan Pt. - Tatchu Pt.	7650 cwts.	
Tatchu Pt. - Cape Cook	323 "	
District No. 1	1403	(1754 cases)
	9,376 cwts.	

Herring Shipped Out.

To Estevan Pt. - Tatchu Pt. 54,700 cwts.

Table F25. Statement illustrating shipments of salmon from DBS area 28 in 1939. There were no salmon processing establishments in area 28 in 1939.

Statement of the amount of fish shipped out of the Quatsino sub-district to other areas during 1939

Herring	54,700	cwt.	Nootka
Sockeye	81	"	Vancouver
Trolled Cohoe	4,935	"	Nootka & Vancouver
Seined Cohoe	1,054	"	Nootka
" "	138	"	Kyouquot
" "	250	"	Vancouver
Chums	6,595	"	Nootka
"	185	"	Kyouquot
"	708	"	Vancouver

1946

With regard to the trolled cohoes. These fish were shipped out by the Kyouquot Trollers Co-operative Ass., and a small portion sold fresh or mild cured, and the remainder sold for canning in Vancouver or Nootka, depending on market conditions each trip. As I was unable to ascertain the exact quantities, I have not included any cohoes in Schedule 2.

Harold G. Dane.

Fisheries Inspector.

Table F26. Correspondence illustrating disposition of fish landed in DBS areas 21 and 22 in 1939. Continued.

Duncan B.C. January 11th 1940

Letter No. 2068
JAN 12 1940
File No. 36-1

J.F.Tait Esq
Supervisor of Fisheries
Nanaimo B.C

Dear Sir:

In accord with your letter of the 4th inst I am herewith submitting the fish marketed in the district and the vessels used in fishing.

	Cwt
Grayfish caught and shipped to B.C.Packers, Deep B.	32120
you no doubt have the Shingle Bay fish etc. The total grayfish for Deep B. was 1200 tons.	
Soles caught & shipped out of the district	136 cwt.
Gray cod " " "	4170
Ling Codcaught & landed	4855
"" shippedout	4445
" used in area	410
Livers	70
Salmon. Bluebacks marketed	138
R. spring "	65
Springs caught in Cowichan B. (sport)	79
Sockeye caught & shipped	150
Pinks "	700
Cohoes "	160
Clams " barrels	96

Salmon seines operated in the district.
Izumi No.
Margaret B
B.C.Kid
Shuchone No.3
Walter M.
Bernice L.
Kathleen Ann
Marthe
Cummins.
Thirty cod boats 9 of these fished both cod & salmon.
N.Pender Saltery.
Herring seines 2 boats, Yip No.2
Marl.C
Tugs Moresby No.2
Gardner M. and three small boats
Scows herring, five.

Yours faithfully
A.F.Lloyd
Fishery Inspector.

Table F26. Continued.

CANADA

DEPARTMENT OF FISHERIES

OFFICE OF THE SUPERVISOR OF FISHERIES

36-1.

AT NANAIMO, B.C., Feb.3rd 19 40.

J.C.Scott Esq.,
Fisheries Inspector,
Victoria, B.C.

Dear Sir:

A summary of salmon canned in District No: 1 from District 3 caught fish shows 6,583 cases from Victoria area.

In your schedule 1A you include 8,497 cwts shipped out. It is presumed that this quantity will include the 6,583 cases, or its equivalent 5,266 cwts, and that the balance would be used fresh.

Red Spring	1356	cwts
Wh "	548	
Sockeye	1196	
Coho	625	
Pink	4760	
Chum	8	
Steel hd	4	
	8497	cwts

Yours faithfully,

J.F.Tait,
Supervisor of Fisheries.

All believedxtrap caught fish, shipped to Can Fish'g Co., Vancouver, spring salmon used fresh or mild cured, steel head and presumably some of the other varieties used fresh, balance canned.

Table F27. Landings data for DBS area 17 in 1939 that were submitted by the Fishery Officer to the District Supervisor in Nanaimo. The data on pages 2 and 3 agree with data from the DMF transfer analysis for the area in Table F24. Continued.

OFFICE OF FISHERIES INSPECTOR,

Alert Bay, B. C.,

January 14th, 1940.

Sir:

I enclose herewith Annual Statistical forms in respect of Alert Bay Sub-district, District No.3, B. C. (Cape Scott to Tuna Point, including all waters between Vancouver Island and the Mainland) for year 1939.

SCHEDULE 1A. All quantities shown in green weight.

LING COD.	Sold locally	16	cwts.	Value	$ 64.00
	Shipped out	127	"	"	508.00
		143	"	"	572.00
LING COD LIVERS.					
	Shipped out	2½	cwts.	Value	$87.50
HALIBUT.	Sold locally	32	cwts.	Value	$ 160.00
	Shipped by Fresh Fish Buyers	2,596	"	"	12,980.00
		2,628	"	"	$13,140.00
HALIBUT LIVERS.					
	Shipped out by Fresh Fish Buyers.	25	cwts.	Value	$1,000.00
HERRING.	Sold locally for bait.	416	cwts.	Value	$ 624.00
	Shipped out for processing elsewhere	117,380	"	"	46,952.00
		117,796	"	"	$47,576.00
	Less shipped in	220	"	"	330.00
	Shown on Schedule 1A.	117,576	"	"	$47,246.00

Of the quantity shipped in 20 cwts. were received from District No.2 and 200 cwts. from District No.3.

OULACHONS.	Sold locally	60	cwts.	Value	$60.00
ABALONES.	Sold locally	5	Cwts.	Value	$50.00
	Shipped out	1	"	"	10.00
		6	"	"	$60.00
PRAWNS.	Sold locally	2	cwts.	Value	$20.00
CLAMS.	Sold locally	200	cwts.	Value	$ 180.00
	Shipped out	13,759	"	"	12,383.10
		13,959	"	"	$12,563.10
Shrimps		1	cwt.	Value	10.00

Table F27. Continued.

Page2

Annual Statistical forms - Alert Bay Sub-dist., Cont'd.

SALMON. Canned in Sub-dist.

	Cases	Cwts.	Value
Sockeyes	16,077⅓	12,862	$102,896.00
Red Springs	962⅓	770	7,770.00
White " (including Jack Spr.)	532½	426	1,704.00
Cohoes	15,075¾	12,061	72,366.00
Pinks	96,109	76,887	115,330.50
Chums	29,504	23,603	47,206.00
Steelheads	110½	89	534.00
Bluebacks	49	39	273.00
Totals	158,420¾	126,737	$348,079.50

Shipped out for processing elsewhere.

Sockeyes	3,726	29,808.00
Red Springs	725	7,250.00
White Springs (including Jack Spr.)	258	1,032.00
Cohoes	10,896	65,376.00
Pinks	53,096	79,644.00
Chums	22,957	45,914.00
Steelheads	84	504.00
Totals	91,742	229,528,00

Bought and sold fresh by Fish Buyers.

Red Springs	1,104	10,140.00
White "	161	644.00
Cohoes	8,434	50.604.00
Pinks	47	70.50
Chums	3,860	7,720.00
Steelheads	1	6.00
Totals	13,517	69,184.50

Sold Fresh locally.

Red Springs	23	230.00
White "	7	28.00
Cohoes	10	60.00
Chums	9	18.00
Totals	49	336.00

Grand Totals		232,045	647,128.00
Shipped in from other areas	Sockeyes	6,217	49,736.00
	R. Springs	17	170.00
	W. "	26	104.00
	Cohoes	177	1,062.00
	Pinks	961	1,441.50
	Chums	139	278.00
	Steelheads	10	60.00
	Totals	7,547	52,851.50

Table F27. Continued.

Annual Statistical forms - Alert Bay Sub-dist., Cont'd.

SALMON ROE. Processed in area 572 cwts. Value $1,716.00

SUMMARY OF SCHEDULE 1A.

SALMON.

Supplementary Schedules

Canned in Area -	126,737 cwts.	Value	348,079.50
Schedule 11	13,566 "	"	69,520.50
Shipped out for processing elsewhere	91,742 "	"	229,528.00
Totals	232,045 cwts.	Value	647,128.00
Less shipped in from other areas	7,547 "	"	52,851.50
Total shown on Schedule 1A.	224,498 cwts.	Value	$594,276.50

SCHEDULE 11.

Ling Cod	143 cwts.	Value	572.00
Ling Cod Livers	2½ "	"	87.50
Halibut	2,628 "	"	13,140.00
Halibut Livers	25 "	"	1,000.00
Herring(Bait)	~~1,296~~ 4/6	"	~~25,920~~ 624.00
Oulachons	60 "	"	60.00
Abalones	6 "	"	60.00
Prawns	2 "	"	20.00
Clams	200 "	"	180.00
Salmon	13,566 "	"	69,520.50
Salmon Roe	572 "	"	1,716.00

SCHEDULE 1C.

Vessels 40 tons and over - Gasoline - Nil

Vessels 20 to 40 tons - "

No.	Tons	Value	Men
1 Sal. P. S.	23	7,000	7

Vessels 10 to 20 tons - Gasoline

8 Sal. P.S.	123	35,500	47

Vessels 40 tons and over - Diesel - Nil

Vessels 20 to 40 tons - Diesel

No.	Kind	Tons	Value	Men
61	Sal. Purse Seine	1,607	575,500	424
4	Herring Purse "	109	43,000	36
3	Halibut Boats	63	29,000	13

Table F28. Copies of Appendices to the mimeographed 1939 Supplemental Schedules illustrating the form in which companies submitted data on transfers to DMF. Continued.

APPENDIX to

Supplemental Schedule

Establishment NOOTKA PLANT Year 19 39.

State here the number of cases of the different varieties of salmon canned and also the localities in which the fish were caught. The totals of each variety should be in agreement with those shown on Page Two of the Supplemental Schedule under the heading of Salmon (canned).

Variety	Number of cases	Localities where caught
Sockeye	266	Clayoquot ✓
	121	Johnston Straits ✓
RedSprings	1	Johnston Straits ✓
	3	Ucluelet ✓
	4	Kyuquot ✓
Cohoe	97	Johnston Straits ✓
	671	Ucluelet ✓
	1075	Nootka ✓
	1318	Quatsino ✓
	6829	Kyuquot ✓
Pinks	4	Clayoquot ✓
	2147	Johnston Straits ✓
Chums	2	Johnston Straits ✓
	9883	Nootka
	3095	Kyuquot ✓
	8244	Quatsino ✓
	33760	
		10958 Nootka ✓
		270 Clayoquot ✓
		2368 Matt Bay ✓
		674 Bold ✓
		7928 Kyuquot
		9562 Bay 15
		33760

Continue overleaf if necessary

Table F28. Continued.

APPENDIX to

Supplemental Schedule

Establishment Kildonan Cannery Year 19 39

State here the number of cases of the different varieties of salmon canned and also the localities in which the fish were caught. The totals of each variety should be in agreement with those shown on Page Two of the Supplemental Schedule under the heading of Salmon (canned).

Variety	Number of cases	Localities where caught
Sockeye	960	Barclay Sd.
"	36	Megin R.
"	183	Clayoquot
Cohoe	5510	Barclay Sd.
"	2830	Mitimat
"	1035	Clayoquot
Red Sp'g	12	Barclay Sd.
White "	3	Barclay Sd.
Pink "	125	Barclay Sd.
Steelhead	13	Barclay Sd.
Pinks	436	Swiftsure
Chums	213	Clayoquot
"	32476	Barclay Sd.
"	12672	Mitimat
	55011	
		39535 Pinks
		1467 Cohoe
		15502 Chums
		55011
		50203220

Continue overleaf if necessary

Table F29. DMF memorandum explaining the discrepancy in 1933 total GLW arising from unaccounted for transfers. The written figures on page one of the memorandum are by the authors. Continued.

MEMO June 12th - 1934

Salmon prepared for marketing, after conversion into green weights, totalled 1,410,582 cwts, made up as follows:

			9.06.87 This Report	Diff
Used Fresh:	215,579	cwts	215579	0
Canned	1,062,656	"	1062661	+5
Dry Salted	103,592	"	103594	+2
Mild Cured	27,394	"	27393	-1
Used as Bait	196	"	199	+3
Smoked	746	"	746	0
Pickled	419	"	419	0
Total	1,410,582	"	1410591	+9

This does not include salmon roe as the weight of salmon roe is accounted for in figures for salmon caught and landed. Total production of salmon roe was 4,985 cwts.

Our figures for marketed after conversion - 1,410,582 are 4,069 cwts less than the figure suggested by Mr. Paisley in his telegram - 1,414,651 cwts.

Our figures for Caught and Landed, as taken from compilation of Schedules 1A are in exact agreement with those of Mr. Paisley - 1,364,504 cwts.

The difference between our Caught and Landed figure - 1,364,504 cwts - and our total marketed figure - 1,410,582 is 46,078 cwts. This Report: 46087

Schedules 1A, from which are compiled the above total of salmon caught and landed, are determined as to quantities of salmon landed after taking into consideration shipments of salmon into and out of the area.

These shipments into and out of areas have been totalled. The total of salmon shipped out of areas is 267,785 cwts. The total salmon shipped into areas is 313,863 cwts. The difference is 46,078 cwts - which equals the difference between caught and landed and marketed figures as given above.

This difference in the totals of salmon shiiped into and out of areas would indicate that in some area or areas salmon has been shipped out and has not been accounted for.

This would mean that the total of salmon caught and landed should be increased by 46,078 cwts - the amount of difference abovementioned.

As it would be very difficult to trace the exact areas from which this salmon was shipped and not accounted for it is suggested that the total of salmon, caught and landed should be increased by 46,078 cwts, and that areas in District 3 should be increased pro rata to take up this quantity.

It is probable that the figures supplied by District 2 are as nearly correct as possible to get them. It is unlikely, so far as I am able to judge, that much salmon would have been shipped out of District 1, with the exception of Area 17.

12

Table F30 Examples of worksheets prepared by the authors for the transfer analysis for 1939 for DBS areas. Continued.

1939

Area 17 CUT DMF

SHIPPED OUT

SOC	PNK	CHM	COH	CHZ	STL	TOT	91742
8726	53096	22957	10896	983	84	91742	

SHIPPED IN

SOC	PNK	CHM	COH	CHZ	STL	TOT	7547
6217	961	139	177	43	10	7547	

SCHEDULE II DBS

SOC	PNK	CHM	COH	CHZ	STL	TOT	13566
—	47	3869	8444	1295	1	13656	
adj	47	3844	8368	1287	1	13567	

Table F30. Continued.

1939

Area 21

CUT

SHIPPED OUT

SOC	PNK	CHM	COH	CHZ	STL	TOT	6855
		1039	2759.5	571		4362.5	
adj		1633	4325	897		6855	

SHIPPED IN

SOC	PNK	CHM	COH	CHZ	STL	TOT

— NIL —

DBS

SCHEDULE II

	SOC	PNK	CHM	COH	CHZ	STL	TOT	2435
avg ppm imp.	.0024	.0023	.0922	.4817	.4212	.0001		
	6	6	225	1173	1026	0	2436	

Table F30. Continued.

Area 22 CUT 1939

SHIPPED OUT DMF

SOC	PNK	CHM	COH	CHZ	STL	TOT	8497
1196	4760	8	625	1904	4	8497	

SHIPPED IN

SOC	PNK	CHM	COH	CHZ	STL	TOT	4948
			2474	2474		4948	

approx 50:50
ck : chz
w. TR weight

SCHEDULE II DBS

avg app wt.

SOC	PNK	CHM	COH	CHZ	STL	TOT	10202
0	.0041	.203	.1324	.6499	.0106		
	42	2071	11351	6630	108	10202	

Table F30. Continued.

1939

Area 28 CUT

SHIPPED OUT

	SOC	PNK	CHM	COH	CHZ	STL	TOT	9376
	81		7488	6377			13946	
wdy	55		5034	4287			9376	

SHIPPED IN

SOC	PNK	CHM	COH	CHZ	STL	TOT
— MILL						

SCHEDULE II DBS

	SOL	PNK	CHM	COH	CHZ	STL	TOT	6867
avg wp comp.	.0043	.005	.0582	.314	.6202	.0001		
	301	34	386	2156	4259	1	6866	

Table F31. Summary of results of from the transfer analysis worksheets for 1939.

DBS Area	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
a) Shipped Out							
0							
17	3,726	53,096	22,957	10,896	983	84	91,742
18	2,031	25,024	28,461	5,775	210	31	61,532
19	0	1,856	10,616	6,499	354	0	19,325
20	0	428	12	19,151	0	0	19,591
21	0	0	1,633	4,325	897	0	6,855
22	1,196	4,760	8	625	1,904	4	8,497
23	0	0	22,833	5,099	0	0	27,932
24	0	0	6,460	3,178	8	0	9,646
25	1,037	9	4,983	3,049	0	0	9,078
26	0	0	0	0	0	0	0
27	0	0	3,206	7,073	4	0	10,283
28	55	0	5,034	4,287	0	0	9,376
TOTAL	8,045	85,173	106,203	69,957	4,360	119	273,857
b) Shipped in							
0							
17	6,217	961	139	177	43	10	7,547
18	1,321	7,311	1,047	6,474	214	0	16,367
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	0	0	2,474	2,474	0	4,948
23	0	0	0	0	0	0	0
24	143	342	10,065	3,026	0	0	13,576
25	0	0	0	0	0	0	0
26	309	1,721	9,073	7,132	6	0	18,241
27	0	0	1,740	366	0	0	2,106
28	0	0	0	0	0	0	0
TOTAL	7,990	10,335	22,064	19,649	2,737	10	62,785
c) Schedule II							
0							
17	0	47	3,844	8,388	1,287	1	13,567
18	2	2	10	82	79	0	175
19	3	3	118	615	538	0	1,277
20	8	8	307	1,605	1,403	0	3,331
21	6	6	225	1,173	1,026	0	2,436
22	0	42	2,071	1,351	6,630	108	10,202
23	0	0	0	0	0	0	0
24	68	79	884	4,937	9,751	2	15,721
25	27	31	347	1,939	3,829	1	6,174
26	2	2	23	127	251	0	405
27	0	0	0	3,853	5,853	0	9,706
28	30	34	386	2,156	4,259	1	6,866
TOTAL	146	254	8,215	26,226	34,906	113	69,860

Table F32. Calculation of 1939 GLW from product and canned pack data and from the transfer analysis in Table F31.[a] Continued.

Area/Product/GLW	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
JOHNSTONE STRAIT								
Fresh (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Canned (cases)	18,820.5	124,130.0	34,475.0	34,851.3	1,960.0	40.0	-	214,276.8
GLW (cwt)	15,056.4	99,304.0	27,580.0	27,881.0	1,568.0	32.0	-	171,421.4
Salt (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Total Comm. GLW (cwt)	15,056.4	99,304.0	27,580.0	27,881.0	1,568.0	32.0	-	171,421.4
Fresh Fish GLW (cwt)	2.0	49.0	3,854.0	8,470.0	1,366.0	1.0	-	13,742.0
Net TSF GLW (cwt)	-1,781.0	69,848.0	50,232.0	10,020.0	936.0	105.0	-	129,360.0
TOTAL GLW (cwt)	13,277.4	169,201.0	81,666.0	46,371.0	3,870.0	138.0	-	314,523.4 [b]
(tonnes)	602.1	7,673.3	3,703.6	2,102.9	175.5	6.3	-	14,263.6

Table F32. Continued.

Area/Product/GLW	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
STRAIT OF GEORGIA								
Fresh (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Canned (cases)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Salt (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Total Comm. GLW (cwt)	-	-	-	-	-	-	-	-
Fresh Fish GLW (cwt)	17.0	17.0	650.0	3,393.0	2,967.0	-	-	7,044.0
Net TSF GLW (cwt)	-	2,284.0	12,261.0	29,975.0	1,251.0	-	-	45,771.0
TOTAL GLW (cwt)	17.0	2,301.0	12,911.0	33,368.0	4,218.0	-	-	52,815.0
(tonnes)	0.8	104.4	585.5	1,513.2	191.3	-	-	2,395.2

Table F32. Continued.

Area/Product/GLW	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
JUAN de FUCA STRAIT								
Fresh (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Canned (cases)	2,943.0	5,396.5	29.0	3,567.0	-	-	-	11,935.5
GLW (cwt)	2,354.4	4,317.2	23.2	2,853.6	-	-	-	9,548.4
Mild Cured (cwt)	-	-	-	-	-	-	-	-
GLW cwt	-	-	-	-	-	-	-	-
Total Comm. GLW (cwt)	2,354.4	4,317.2	23.2	2,853.6	-	-	-	9,548.4
Fresh Fish GLW (cwt)	-	42.0	2,071.0	1,351.0	6,630.0	108.0	-	10,202.0
Net TSF GLW (cwt)	1,196.0	4,760.0	8.0	-1,849.0	-570.0	4.0	-	3,549.0
TOTAL GLW (cwt)	3,550.4	9,119.2	2,102.2	2,355.6	6,060.0	112.0	-	23,299.4
(tonnes)	161.0	413.6	95.3	106.8	274.8	5.1	-	1,056.6

Table F32. Continued.

Area/Product/GLW	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Unknown	Total
WEST COAST VANCOUVER ISLAND								
Fresh (cwt)	-	-	-	6.0	230.0	28.0	-	264.0
GLW (cwt)	-	-	-	6.0	230.0	28.0	-	264.0
Canned (cases)	1,566.0	2,587.0	69,529.0	19,975.0	148.0	13.0	-	93,818.0
GLW (cwt)	1,252.8	2,069.6	55,623.2	15,980.0	118.4	10.4	-	75,054.4
Salt (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Pickled (cwt)	-	-	-	-	-	-	-	-
GLW (cwt)	-	-	-	-	-	-	-	-
Bait (cwt)	-	55.0	-	-	-	-	-	55.0
GLW (cwt)	-	55.0	-	-	-	-	-	55.0
Total Comm. GLW (cwt)	1,252.8	2,124.6	55,623.2	15,986.0	348.4	38.4	-	75,373.4
Fresh Fish GLW (cwt)	127.0	146.0	1,640.0	13,012.0	23,943.0	4.0	-	38,872.0
Net TSF GLW (cwt)	640.0	-2,054.0	21,638.0	12,162.0	6.0	-	-	32,392.0
TOTAL GLW (cwt)	2,019.8	216.6	78,901.2	41,160.0	24,297.4	42.4	-	146,637.4
(tonnes)	91.6	9.8	3,578.2	1,866.6	1,101.9	1.9	-	6,650.0

a. Total GLW figures from this table were the basis for final figures for 1939 included in main text Tables 33 to 36.

b. Differs from DBS total due to low DMF net transfer for DBS area Cape Scott to Tuna Point Authors unable to resolve difference.

Table F33. Results from DMF's analysis of transfers for District III in 1940.

SALMON CATCH SUMMARY - District No. 3

Complete Season - 1940 to November 30th - Figures represent green cwts

A CATCH

Areas	Sockeye	R. Sp'g.	P. Spg.	W. Spg.	St'hd	B'backs	Coho	Pinks	Chums	Totals
Alert Bay	18,299	2,826	224	890	186	2,785	28,950	30,860	116,737	201,757
Quathiaski	3,476	285	476	1,158	14	4,304	5,536	4,731	91,799	111,779
Comox		382	18	122		3,495	5		379	4,401
Pender Hrbr.	1,998	2,089	652	1,197		8,782	1,075	237	25,420	41,450
Nanaimo		547	158	163		4,669	363		5,060	10,960
Victoria	2,004	3,544		1,028	122		3,652	10	327	10,687
Nitinat	2,065	35	2	22			1,083		42,831	46,038
Barkley Sd.	1,850	9,737	83	1,237	75		12,951	28	24,697	50,658
Clayoquot	1,416	3,620		371		10	10,716	20	4,831	20,984
Nootka		206		15			717		9,717	10,655
Kyuquot	12	5,686	40	567			19,965	498	3,393	30,161
Quatsino		123		10			2,305	577	4,110	7,125
TOTAL:	31,120	29,080	1,653	6,780	397	24,045	87,318	36,961	329,301	546,655
									B	PRODUCTION
Alert Bay	18,596	1,312	203	663	184	184	15,105	24,302	81,291	141,840
Quathiaski	2,161	28	277	244	13	7,695	887	1,620	17,388	30,313
Comox		254	7	37		99			10	407
Pender Hrbr.	23	454	199	408		3,519	60			4,663
Nanaimo		338	84	30		108	164			724
Victoria	1,798	4,998		909	122		4,099	10	244	12,180
Barkley Sd.	2,092	6,701	61	699	72		5,827		49,899	65,351
Clayoquot		2,869		209		5	5,506			8,589
Nootka		206		15			14,647	574	14,488	29,930
Kyuquot	12	1,992		135			3,578	501	4,536	10,754
Quatsino		123		10			2			135
TOTAL:	24,682	19,275	831	3,359	391	11,610	49,875	27,007	167,856	304,886

Table F34. Comparison of tranfer analyses by DMF and in this report for transfers of salmon and steelhead. (GLW in cwt) for District III in 1940. The upper portion of the table contains GLWs by species and area; the lower portion contains DMF GLW divided by our calculated GLW figures.

Area	Source	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
a) Transfer Data								
Johnstone	DMF	21,775	35,591	208,536	41,575	5,859	200	313,536
Strait	This Report	21,993	38,518	206,411	45,163	5,394	256	317,735
Strait of	DMF	1,998	237	30,859	18,389	5,328	-	56,811
Georgia	This Report	1,847	226	32,751	19,086	4,137	-	58,047
Juan de	DMF	2,004	10	327	3,652	4,572	122	10,687
Fuca Str.	This Report	2,198	34	1,798	3,616	2,986	55	10,687
West Coast	DMF	5,343	1,123	89,579	47,747	21,754	75	165,621
Van. Is.	This Report	5,054	668	100,009	59,161	18,633	76	183,601
Total	DMF	31,120	36,961	329,301	111,363	37,513	397	546,655
	This Report	31,091	39,446	340,969	127,026	31,150	387	570,069
b) DMF GLW divided by GLW from this report								
Johnstone Strait		0.9901	0.9240	1.0103	0.9205	1.0862	0.7806	0.9868
Strait of Georgia		1.0818	1.0487	0.9422	0.9635	1.2879	-	0.9787
Juan de Fuca Strait		0.9119	0.2941	0.1819	1.0100	1.5311	2.2182	1.0000
West Coast Vancouver Island		1.0573	1.6811	0.8957	0.8071	1.1675	0.9894	0.9021
Total		1.0009	0.9370	0.9658	0.8767	1.2043	1.0258	0.9589

Table F35a. Fraser River (District I) packs of canned salmon and estimates of equivalent landed weight, adjusted for transfers, 1933 to 1944. Pack data is on the left, and is converted to GLW on the right; chum, chinook and steelhead packs for 1933 are from Basebook Table 16.[a]

Year	Adjusted Canned Pack (cases)							Estimated Landed Weight (tonnes)							Total (cwt)
	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total	
1933	54,146	92,769	77,330	13,987	10,681	-	248,913	2,063	3,535	2,946	533	407	-	9,484	209,087
1934	133,159	342	103,081	12,596	15,646	-	264,824	5,074	13	3,928	480	596	-	10,091	222,452
1935	57,212	111,328	8,227	24,950	9,401	-	211,118	2,180	4,242	313	951	358	-	8,044	177,339
1936	164,408	2	30,663	22,572	15,132	-	232,777	6,264	<0.5	1,168	860	577	-	8,869	195,533
1937	66,583	87,897	20,934	12,596	5,444	15	193,469	2,537	3,349	798	480	207	1	7,372	162,514
1938	169,430	63	49,835	28,687	4,294	13	252,322	6,456	2	1,899	1,093	164	<0.5	9,614	211,950
1939	43,294	108,608	42,480	25,572	6,008	69	226,031	1,571	3,941	1,541	928	218	3	8,202	180,825
1940	86,215	12	40,056	12,369	4,460	144	143,256	3,129	<0.5	1,454	449	162	5	5,199	114,605
1941	149,716	102,799	90,274	28,260	33,924	248	405,221	5,433	3,730	3,276	1,025	1,231	9	14,704	324,177
1942	418,491	136	82,586	10,559	9,702	314	521,788	15,186	5	2,997	383	352	11	18,934	417,430
1943	28,938	30,394	53,954	8,391	3,480	246	125,403	1,050	1,103	1,958	304	126	9	4,550	100,322
1944	85,656	130	13,876	15,760	12,576	293	128,291	3,108	5	504	572	456	11	4,656	102,633

a. 1933 sockeye, pink and coho Canned Pack from Rounsefell and Kelez (1938); 1933 chinook, chum and steelhead Canned Pack from Table 16 in Statistical Basebook Series No. 3 (Anon 1958); 1934-1944 Canned Packs for all species from Table 15 in Statistical Basebook Series No. 3 have been adjusted for transfers from 1933 to 1944 (except chum, chinook and steelhead in 1933).

Table F35b. Fraser River (District I) packs of canned salmon and steelhead, not adjusted for transfers, and adjusted/unadjusted canned pack ratios, 1933 to 1944. [a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
			Unadjusted Canned Pack (cases)				
1933	53,481	143,058	77,330	39,014	10,681	-	323,564
1934	145,579	35,847	219,331	53,317	16,830	-	470,904
1935	76,415	182,528	72,353	71,634	12,290	-	415,220
1936	165,651	23,842	188,538	71,890	16,015	6	465,942
1937	103,137	252,416	119,254	44,683	6,043	15	525,548
1938	217,882	29,862	181,444	76,237	6,537	72	512,034
1939	73,216	204,681	143,020	80,953	7,078	86	509,034
1940	121,080	13,243	178,860	61,024	5,389	178	379,774
1941	196,871	179,071	360,623	110,037	36,111	315	883,028
1942	474,036	9,075	264,736	57,004	11,096	314	816,261
1943	72,507	162,496	127,450	52,807	4,893	291	420,444
1944	107,431	33,756	50,421	59,231	14,315	332	265,486
			Adjusted Canned Pack / Unadjusted Canned Pack (Adjustment Factor)[b]				
1933	1.0124	0.6485	1.0000	0.3585	1.0000	-	0.7693
1934	0.9147	0.0095	0.4700	0.2362	0.9296	-	0.5624
1935	0.7487	0.6099	0.1137	0.3483	0.7649	-	0.5084
1936	0.9925	0.0001	0.1626	0.3140	0.9449	100%	0.4996
1937	0.6456	0.3482	0.1755	0.2819	0.9009	1.0000	0.3681
1938	0.7776	0.0021	0.2747	0.3763	0.6569	0.1806	0.4928
1939	0.5913	0.5306	0.2970	0.3159	0.8488	0.8023	0.4440
1940	0.7120	0.0009	0.2240	0.2027	0.8276	0.8090	0.3772
1941	0.7605	0.5741	0.2503	0.2568	0.9394	0.7873	0.4589
1942	0.8828	0.0150	0.3120	0.1852	0.8744	1.0000	0.6392
1943	0.3991	0.1870	0.4233	0.1589	0.7113	0.8454	0.2983
1944	0.7973	0.0039	0.2752	0.2661	0.8785	0.8825	0.4832

a. Unadjusted canned pack from Table 16 in Statistical Basebook Series No. 3 (Anon 1958). The adjusted canned packs used to calculate the ratios are from Table F35a.
b. 100% means that all landings were transferred out.

Table F36a. Fraser River salmon and steelhead production by product category (excluding canned salmon) and estimates of equivalent landed weight, 1933-1944.[a]

Year	Green Landed Weight				Salmon Products							Estimated Green Landed Weight of Products (tonnes)						
	DBS Total GLW	DBS Total GLW	GLW from Canned	Difference	Dry Salted	Pickled	Fresh/Frozen		Smoked	Mild Cured	Bait	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
							Companies	Fishermen										
	(cwt)	(mt)	(cwt)	(cwt)	(lb)	(barrels	(lb)	(lb)	(lb)	(lb)	(lb)							
1933	288,899	13,104	209,087	79,812	2,217,100	80	5,735,300	3,321,200	43,900	661,000	-	57	601	899	449	1,574	40	3,620
1934	343,792	15,594	222,452	121,340	3,741,500	-	4,152,500	1,226,300	13,900	787,700	-	51	478	2,672	690	1,593	21	5,505
1935	349,063	15,833	177,339	171,724	4,625,500	-	11,061,300	445,200	19,300	956,900	-	181	669	3,360	972	2,576	32	7,790
1936	302,265	13,711	195,533	106,732	5,473,100	-	4,160,300	1,172,000	16,800	440,300	-	320	57	2,900	377	1,158	29	4,841
1937	302,135	13,705	162,514	139,621	3,493,800	-	9,951,100	1,195,300	18,100	1,066,400	-	25	465	2,968	528	2,315	33	6,334
1938	324,196	14,706	211,950	112,246	2,084,300	-	6,803,100	550,200	13,900	1,014,800	-	52	51	2,451	486	2,009	42	5,091
1939	285,151	12,934	180,825	104,326	-	-	4,584,300	6,070,900	-	1,411,500	-	127	263	1,018	609	2,656	59	4,732
1940	169,369	7,683	114,605	54,764	-	-	10,398,500	3,604,500	11,700	292,900	-	35	76	948	471	928	26	2,484
1941	319,952	14,513	324,177	(4,225)	-	-	7,609,900	1,987,500	30,100	539,600	-	-	-	-	-	-	-	-
1942	467,909	21,224	417,430	50,479	-	-	4,330,000	1,755,700	23,000	522,100	-	33	51	730	263	1,193	19	2,289
1943	125,933	5,712	100,322	25,611	-	-	4,617,300	2,175,300	10,300	559,500	-	18	60	369	210	492	12	1,161
1944	109,823	4,982	102,633	7,190	-	-	6,871,300	2,670,100	191,300	1,687,000	-	4	7	80	72	161	2	326

a. Total GLW from DBS reports; Canned Pack GLW converted from tonnes in Table F35a. The difference between Total GLW and Canned Pack GLW was allocated to species using species proportions (Table E21) computed from product data on Schedules for District I (Fraser River).

Table F36b. Fraser River canned packs and products expressed in tonnes of GLW unadjusted for transfers, adjusted for transfers, and scaled to equal DBS GLW, 1933 to 1944. [a]

	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total	Sockeye	Pink	Chum	Coho	Chinook	Stlhd	Total
	1) Canned Pack GLW Unadjusted for Transfers							**2) Other Products GLW Unadjusted for Transfers**						
1933	2,038	5,451	2,946	1,486	407	-	12,328	92	972	1,455	727	2,548	65	5,859
1934	5,547	1,366	8,357	2,031	641	-	17,942	47	444	2,480	640	1,478	19	5,108
1935	2,912	6,955	2,757	2,729	468	-	15,821	198	731	3,670	1,062	2,813	35	8,509
1936	6,312	908	7,184	2,739	610	0.2	17,753	385	69	3,495	455	1,396	35	5,835
1937	3,930	9,617	4,544	1,702	230	1	20,024	30	571	3,645	648	2,843	40	7,777
1938	8,302	1,138	6,913	2,905	249	3	19,510	53	52	2,512	498	2,059	43	5,217
1939	2,790	7,799	5,449	3,084	270	3	19,395	155	322	1,246	746	3,252	73	5,794
1940	4,613	505	6,815	2,325	205	7	14,470	92	202	2,505	1,243	2,451	68	6,561
1941	7,501	6,823	13,740	4,193	1,376	12	33,645	50	184	1,926	704	1,851	29	4,744
1942	18,061	346	10,087	2,172	423	12	31,101	45	70	1,000	360	1,633	27	3,135
1943	2,763	6,191	4,856	2,012	186	11	16,019	55	179	1,104	628	1,469	35	3,470
1944	4,093	1,286	1,921	2,257	545	13	10,115	67	121	1,377	1,244	2,772	43	5,624
	3) Total District I GLW adjusted for Transfers							**4) Total District I GLW adjusted for Transfers and Scaled to Equal DBS GLW**						
1933	2,157	4,165	4,401	794	2,955	51	14,523	1,946	3,758	3,971	716	2,666	46	13,103
1934	5,116	17	5,093	631	1,970	15	12,842	6,212	21	6,184	766	2,392	18	15,593
1935	2,328	4,687	731	1,320	2,510	27	11,603	3,176	6,396	997	1,802	3,425	37	15,833
1936	6,647	0	1,737	1,003	1,895	28	11,310	8,058	0	2,105	1,216	2,298	34	13,711
1937	2,556	3,548	1,437	663	2,768	41	11,013	3,181	4,415	1,789	825	3,445	51	13,706
1938	6,497	3	2,589	1,281	1,516	8	11,894	8,033	3	3,201	1,583	1,875	10	14,705
1939	1,741	4,309	1,989	1,210	2,989	61	12,299	1,831	4,531	2,091	1,272	3,144	64	12,933
1940	3,351	1	2,087	723	2,198	60	8,420	3,057	1	1,904	660	2,006	55	7,683
1941	5,743	4,022	3,922	1,258	3,031	32	18,008	4,628	3,242	3,161	1,014	2,443	26	14,514
1942	15,985	6	3,458	469	1,797	39	21,754	15,595	6	3,374	457	1,754	38	21,224
1943	1,124	1,192	2,523	420	1,177	39	6,475	992	1,051	2,226	370	1,039	34	5,712
1944	3,317	5	908	931	2,914	49	8,124	2,034	3	556	571	1,787	30	4,981

a. Source: 1) Canned pack in Table 35a converted to GLW in mt; 2) Product amounts in Table 36a converted to GLW by species using species proportions in Table E21; 3) canned pack plus product GLW times correction factors in Table 35a, except 1937-1944 average, 0.7884, used for steelhead in 1933 to 1936; 4) Adjusted GLWs scaled to total the annual DBS GLW in Table 36a.

Table F37. Net transfer of salmon and steelhead used for canning for the Nass River, 1925-1929[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
			CWT LANDED IN AREA				
1925	17,095	30,139	19,737	6,878	5,347	395	79,591
1926	13,380	36,868	12,929	3,590	5,010	315	72,092
1927	10,068	13,952	2,778	3,230	3,319	81	33,428
1928	4,669	80,638	3,856	15,122	1,809	30	106,124
1929	13,731	8,826	1,059	1,004	344	-	24,964
			CWT CANNED IN AREA				
1925	15,914	29,005	18,903	6,490	4,071	384	74,767
1926	13,380	42,685	12,929	3,590	5,010	315	77,909
1927	10,068	13,952	2,778	3,230	3,314	81	33,423
1928	4,654	69,874	2,972	9,017	1,551	30	88,098
1929	13,505	8,687	1,018	962	344	-	24,516
			NET TRANSFERS (out of area)				
1925	(1,181)	(1,134)	(834)	(388)	(1,277)	(11)	(4,825)
1926	0	5,816	0	0	0	0	5,816
1927	0	0	0	0	(5)	0	(5)
1928	(15)	(10,765)	(885)	(6,105)	(259)	0	(18,029)
1929	(227)	(139)	(41)	(42)	0	-	(449)

a. Source: Tables 15 and 16 in Anon (1958). Values above for CWT CANNED IN AREA, when converted to cwt, differ slightly from values for the canned pack in main text Table 8 due to different sources for the data in each table.

Table F38. Net transfer of salmon and steelhead used for canning for the Skeena River, 1925-1929[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
			CWT LANDED IN AREA				
1925	65,339	106,870	8,977	31,944	18,417	588	232,135
1926	69,138	143,292	38,961	25,329	17,314	642	294,676
1927	70,550	32,679	8,111	21,176	15,768	543	148,827
1928	29,000	161,122	9,905	15,751	4,625	194	220,597
1929	65,280	79,671	3,045	31,196	3,880	11	183,083
			CWT CANNED IN AREA				
1925	68,165	109,270	62,419	32,901	19,694	599	293,048
1926	69,180	176,454	53,363	25,376	17,314	642	342,329
1927	70,547	32,559	15,674	21,523	16,827	487	157,617
1928	29,030	176,046	14,911	25,363	5,363	202	250,915
1929	65,534	80,056	4,061	31,463	3,880	11	185,005
			NET TRANSFERS (out of area)				
1925	2,826	2,400	53,442	957	1,277	11	60,913
1926	42	33,162	14,402	47	0	0	47,653
1927	(3)	(119)	7,563	348	1,059	(55)	8,793
1928	29	14,924	5,006	9,612	738	8	30,317
1929	255	386	1,016	267	0	0	1,924

a. Source: Tables 15 and 16 in Anon (1958). Values above for CWT CANNED IN AREA, when converted to cwt, differ slightly from values for the canned pack in main text Table 9 due to different sources for the data in each table.

Table F39. Net transfer of salmon and steelhead used for canning for the North Coast, 1925-1929.

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
RIVERS INLET TRANSFERS (to North Coast)							
1925	(25,708)	798	(20)	(18)	(158)	(8)	(25,114)
1926	(12,799)	4,208	(2,469)	(2,436)	(118)	(13)	(13,627)
1927	(11,683)	16	(1,184)	(416)	(118)	(2)	(13,387)
1928	(3,768)	11,401	(4,682)	(7,277)	(258)	0	(4,584)
1929	(1,578)	107	(4,574)	(5,821)	(338)	(5)	(12,209)
SKEENA RIVER PLUS NASS RIVER NET TRANSFERS (to North Coast)							
1925	1,645	1,266	52,608	569	0	0	56,088
1926	42	38,978	14,402	47	0	0	53,469
1927	(3)	(119)	7,563	348	1,054	(55)	8,788
1928	14	4,160	4,121	3,507	480	8	12,290
1929	28	247	975	225	0	0	1,475
NORTH COAST NET TRANSFERS (out of area)[a]							
1925	24,063	(2,064)	(52,587)	(551)	158	8	(30,973)
1926	12,757	(43,186)	(11,933)	2,389	118	13	(39,842)
1927	11,686	103	(6,378)	68	(936)	57	4,600
1928	3,754	(15,561)	561	3,770	(222)	(8)	(7,706)
1929	1,551	(354)	3,599	5,596	338	5	10,735

a. North Coast Net Transfers = - (Skeena River Net Transfers + Nass River Net Transfers + Rivers Inlet Net Transfers)

Table F40. Net transfer of salmon and steelhead used for canning for Rivers and Smith Inlets, 1920-1929.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
			CWT LANDED IN AREA				
1920	119,946	21,999	1,030	2,454	1,519	-	146,948
1921	42,713	2,566	145	3,406	361	-	49,191
1922	57,807	20,421	261	1,031	271	-	79,791
1923	99,542	8,448	2,727	1,282	503	-	112,502
1924	77,082	12,687	4,123	1,584	525	27	96,028
1925	168,996	6,447	9,661	4,105	648	8	189,865
1926	75,487	7,134	12,340	8,692	793	23	104,469
1927	84,885	1,162	4,223	4,599	1,104	16	95,989
1928	78,423	2,629	7,728	8,199	889	11	97,879
1929	66,820	2,614	5,490	6,947	746	39	82,656
			CWT CANNED IN AREA				
1920	111,926	21,999	1,030	2,454	1,519	-	138,928
1921	41,772	4,482	145	4,019	378	81	50,877
1922	55,875	20,421	261	1,031	271	-	77,859
1923	94,374	8,448	2,727	1,282	503	-	107,334
1924	77,082	12,687	4,123	1,584	525	27	96,028
1925	143,288	7,245	9,641	4,087	490	-	164,751
1926	62,688	11,343	9,871	6,256	675	9	90,842
1927	73,202	1,178	3,038	4,183	985	14	82,600
1928	74,655	14,031	3,046	922	631	11	93,296
1929	65,242	2,721	916	1,126	408	34	70,447
			NET TRANSFERS (to North Coast)				
1920	(8,020)	0	0	0	0	-	(8,020)
1921	(941)	1,916	0	612	17	81	1,685
1922	(1,932)	0	0	0	0	-	(1,932)
1923	(5,168)	0	0	0	0	-	(5,168)
1924	0	0	0	0	0	0	0
1925	(25,708)	798	(20)	(18)	(158)	(8)	(25,114)
1926	(12,799)	4,208	(2,469)	(2,436)	(118)	(13)	(13,627)
1927	(11,683)	16	(1,184)	(416)	(118)	(2)	(13,387)
1928	(3,768)	11,401	(4,682)	(7,277)	(258)	0	(4,584)
1929	(1,578)	107	(4,574)	(5,821)	(338)	(5)	(12,209)

a. Source: Tables 15 and 16 in Anon (1958). Values above for CWT CANNED IN AREA, when converted to cwt, differ slightly from values for the canned pack in main text Table 11 due to different sources for the data in each table.

Table F41. Landings adjustment factors for the Queen Charlotte Islands, 1925-1929.
Landings in text main Tables 7 & 17 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM PRODUCT DATA (tonnes)							
1925	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
1926	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
1927	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
1928	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
1929	(0.2)	(10)	(56)	(120)	(251)	(2)	(439)
LANDINGS FROM CANNED/PRODUCT DATA from Tables 7 & 17 (not adjusted for transfers) (tonnes)							
1925	1	101	4,388	82	11	-	4,583
1926	27	7,640	9,237	142	21	-	17,067
1927	15	12	6,390	215	92	-	6,724
1928	1	6,371	5,288	290	17	-	11,967
1929	-	34	1,358	85	-	-	1,477
LANDINGS ADJUSTMENT FACTORS[b]							
1925	1.1381	1.0974	1.0127	2.4577	24.3150	100%	1.0958
1926	1.0074	1.0013	1.0061	1.8461	12.7824	100%	1.0257
1927	1.0137	1.8013	1.0087	1.5560	3.7356	100%	1.0653
1928	1.1381	1.0015	1.0106	1.4127	16.1334	100%	1.0367
1929	100%	1.2923	1.0411	2.4018	100%	100%	1.2972

a. See Appendix F, Section 6.3 for calculation methods.

b. 100% means that all landings were assumed to have been transferred out.

Table F42. Landings adjustment factors for the Nass River, 1925-1929.
Landings in main text Tables 8 & 18 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1925	(54)	(57)	(69)	(86)	(228)	(12)	(506)
1926	(0.1)	258	(32)	(68)	(170)	(12)	(24)
1927	(0.1)	(6)	(32)	(68)	(170)	(12)	(288)
1928	(1)	(494)	(72)	(345)	(182)	(12)	(1,106)
1929	(10)	(12)	(33)	(70)	(170)	(12)	(307)
LANDINGS FROM CANNED/PRODUCT DATA from Tables 8 & 18 (not adjusted for transfers) (tonnes)							
1925	723	1,357	858	306	137	9	3,390
1926	607	1,936	586	163	227	14	3,533
1927	458	633	128	151	146	4	1,520
1928	211	3,169	135	409	70	1	3,995
1929	613	394	46	46	13	-	1,112
LANDINGS ADJUSTMENT FACTORS[b]							
1925	1.0743	1.0422	1.0809	1.2805	2.6590	2.3386	1.1493
1926	1.0002	0.8668	1.0539	1.4194	1.7486	1.8399	1.0068
1927	1.0002	1.0093	1.2468	1.4520	2.1690	4.2807	1.1895
1928	1.0037	1.1559	1.5320	1.8440	3.5852	9.7485	1.2768
1929	1.0170	1.0309	1.7247	2.5329	13.6829	100%	1.2761

a. See Appendix F, Section 6.3 for calculation methods.

b. 100% means that all landings were assumed to have been transferred out.

Table F43. Landings adjustment factors for the Skeena River, 1925-1929.
Landings in main text Tables 9 & 19 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1925	128	125	2,511	231	479	14	3,488
1926	2.2	1,520	741	190	422	14	2,889
1927	0.1	10	430	204	470	11	1,125
1928	1.6	693	315	624	455	14	2,103
1929	12	33	134	200	422	14	815
LANDINGS FROM CANNED/PRODUCT DATA from Tables 9 & 19 (not adjusted for transfers) (tonnes)							
1925	3,092	4,960	3,335	2,030	3,105	27	16,549
1926	3,139	8,022	2,853	1,660	1,845	205	17,724
1927	3,201	1,497	957	1,396	1,937	280	9,268
1928	1,321	8,034	1,107	2,266	1,561	193	14,482
1929	2,976	3,686	399	2,290	1,069	115	10,535
LANDINGS ADJUSTMENT FACTORS							
1925	0.9585	0.9749	0.2471	0.8860	0.8456	0.4664	0.7892
1926	0.9993	0.8106	0.7404	0.8854	0.7715	0.9316	0.8370
1927	1.0000	0.9931	0.5501	0.8540	0.7575	0.9589	0.8786
1928	0.9988	0.9138	0.7158	0.7246	0.7086	0.9253	0.8548
1929	0.9960	0.9910	0.6651	0.9126	0.6059	0.8788	0.9226

a. See Appendix F, Section 6.3 for calculation methods.

Table F44. Landings adjustment factors for the North Coast, 1925-1929.
Landings in main text Tables 10 & 20 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1925	1,091	(94)	(2,385)	(25)	7	0.4	(1,406)
1926	579	(1,958)	(541)	108	5	1	(1,806)
1927	530	5	(289)	3	(42)	3	210
1928	170	(706)	25	171	(10)	(0.4)	(350)
1929	70	(16)	163	254	15	0.2	486
LANDINGS FROM CANNED/PRODUCT DATA from Tables 10 & 20 (not adjusted for transfers) (tonnes)							
1925	2,310	3,369	7,586	988	305	33	14,591
1926	1,687	5,637	6,238	1,507	265	38	15,372
1927	1,133	1,304	3,833	1,263	436	33	8,002
1928	891	8,911	9,422	1,583	145	23	20,975
1929	1,257	4,315	3,225	1,703	95	22	10,617
LANDINGS ADJUSTMENT FACTORS							
1925	0.5277	1.0278	1.3144	1.0253	0.9766	0.9883	1.0964
1926	0.6570	1.3475	1.0868	0.9281	0.9799	0.9840	1.1175
1927	0.5321	0.9964	1.0755	0.9976	1.0973	0.9217	0.9738
1928	0.8090	1.0792	0.9973	0.8920	1.0696	1.0167	1.0167
1929	0.9441	1.0037	0.9494	0.8510	0.8384	0.9895	0.9542

a. See Appendix F, Section 6.3 for calculation methods.

Table F45. Landings adjustment factors for Rivers and Smith Inlets, 1920-1929.
Landings in main text Tables 11 & 21 multiplied by "Adjustment Factors" provide estimates of landings, adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA (tonnes)							
1920	(364)	0	0	0	0	-	(364)
1921	(43)	87	0	28	1	4	77
1922	(88)	0	0	0	0	-	(88)
1923	(234)	0	0	0	0	-	(234)
1924	0	0	0	0	0	0	0
1925	(1,166)	36	(1)	(1)	(7)	(0.4)	(1,139)
1926	(580)	191	(112)	(110)	(5)	(1)	(617)
1927	(530)	1	(54)	(19)	(5)	(0.1)	(607)
1928	(171)	517	(212)	(330)	(12)	0	(208)
1929	(72)	5	(207)	(264)	(15)	(0.2)	(553)
LANDINGS FROM CANNED/PRODUCT DATA from Tables 11 & 21 (not adjusted for transfers) (tonnes)							
1920	4,981	1,073	51	122	75	-	6,302
1921	1,885	211	15	204	31	7	2,353
1922	2,469	988	13	49	13	-	3,532
1923	4,281	383	203	58	23	-	4,948
1924	3,498	576	214	75	20	-	4,383
1925	6,503	327	445	188	19	-	7,482
1926	2,843	515	448	284	30	0.4	4,120
1927	3,324	53	141	192	36	1	3,747
1928	3,420	611	132	40	28	0.5	4,231
1929	2,966	120	156	52	16	2	3,312
LANDINGS ADJUSTMENT FACTORS[b]							
1920	1.0730	1.0000	1.0000	1.0000	1.0000	-	1.0578
1921	1.0226	0.5890	1.0000	0.8636	0.9755	0.4585	0.9673
1922	1.0355	1.0000	1.0000	1.0000	1.0000	-	1.0249
1923	1.0547	1.0000	1.0000	1.0000	1.0000	-	1.0473
1924	1.0000	1.0000	1.0000	1.0000	1.0000	-	1.0000
1925	1.1793	0.8893	1.0021	1.0043	1.3805	100%	1.1522
1926	1.2041	0.6291	1.2499	1.3892	1.1756	2.4543	1.1498
1927	1.1594	0.9864	1.3813	1.0981	1.1485	1.1176	1.1620
1928	1.0500	0.1542	2.6065	9.2175	1.4239	1.0000	1.0492
1929	1.0241	0.9597	2.3288	6.1021	1.9827	1.1500	1.1670

a. See Appendix F, Section 6.3 for calculation methods.

b. 100% means that all landings were assumed to have been tranferred out.

Table F46. Comparison of DBS and DMF total GLWs (cwt), 1930-1933.[a]

Area	1930			1931		
	DBS	DMF Prince Rupert	DMF/DBS	DBS	DMF Prince Rupert	DMF/DBS
Queen Charlotte Is.	274,393	277,655	1.0119	20,243	37,888	1.8717
Naas River	95,306	122,097	1.2811	12,595	36,272	2.8799
Skeena River	457,911	348,098	0.7602	209,374	156,925	0.7495
North Coast	456,290	527,573	1.1562	174,905	199,386	1.1400
Rivers/Smith Inlets	154,876	163,434	1.0553	81,665	96,051	1.1762
Grand Total	1,438,776	1,438,857	1.0001	498,782	526,522	1.0556
District II Net Transfers	(81)			(27,740)		
	1932			1933[b]		
Queen Charlotte Is.	6,747	29,979	4.4433	72,884	73,034	1.0021
Naas River	71,964	125,639	1.7459	95,183	95,183	1.0000
Skeena River	251,791	152,743	0.6066	139,368	139,368	1.0000
North Coast	259,849	245,561	0.9450	239,504	236,610	0.9879
Rivers/Smith Inlets	110,030	113,366	1.0303	126,272	126,272	1.0000
Grand Total	700,381	667,288	0.9528	673,211	670,467	0.9959
District II Net Transfers[c]	33,093					

a. Source: Main text Tables 28 to 32.

b. Both sets of 1933 data have been adjusted for transfers; small differences are likely due to revisions that were made to DMF data after DBS data were published.

c. DBS Grand Total less DMF Grand Total.

Table F47. Landings adjustment factors for Johnstone Strait, 1934-1939.
Landings in text Table 49 for 1933 to 1950 have been adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA							
(tonnes)							
1934	(113)	(1,580)	(1,838)	(927)	(138)	1	(4,595)
1935	(129)	(1,864)	(1,619)	(1,245)	(104)	(1)	(4,962)
1936	(381)	(1,153)	(5,094)	(1,100)	(156)	(2)	(7,886)
1937	(666)	(6,296)	(2,788)	(828)	(25)	(1)	(10,605)
1938	(632)	(1,099)	(2,293)	(1,163)	(75)	(1)	(5,262)
1939	81	(3,168)	(2,278)	(454)	(42)	(5)	(5,868)
LANDINGS FROM CANNED/PRODUCT DATA							
(not adjusted for transfers)							
(tonnes)							
1934	217	2,628	2,052	1,078	194	2	6,173
1935	508	3,803	2,766	1,572	278	1	8,929
1936	955	1,603	1,555	1,312	435	4	5,864
1937	902	5,218	1,998	559	397	3	9,079
1938	301	1,503	2,059	948	304	5	5,120
1939	683	4,507	1,426	1,649	133	1	8,399
LANDINGS ADJUSTMENT FACTORS							
1934	1.5187	1.6012	1.8954	1.8592	1.7112	0.6456	1.7444
1935	1.2535	1.4901	1.5855	1.7918	1.3737	1.7500	1.5558
1936	1.3989	1.7197	4.2762	1.8384	1.3579	1.4632	2.3449
1937	1.7384	2.2066	2.3949	2.4820	1.0630	1.2838	2.1681
1938	3.1023	1.7309	2.1135	2.2267	1.2452	1.1863	2.0277
1939	0.8817	1.7030	2.5980	1.2756	1.3190	4.1818	1.6986

a. See Appendix F, Section 6.5 for calculation methods.

Table F48. Landings adjustment factors for the Strait of Georgia, 1934-1939.
Landings in text Table 50 for 1933 to 1950 have been adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA							
			(tonnes)				
1934	(26)	(22)	(790)	(504)	0.1	-	(1,342)
1935	(97)	(481)	(818)	(263)	(75)	-	(1,734)
1936	157	34	(15)	(256)	1	-	(79)
1937	(69)	(416)	(638)	(359)	(2)	-	(1,483)
1938	-	-	(2,863)	(423)	-	-	(3,286)
1939	-	(104)	(556)	(1,360)	(57)	-	(2,076)
LANDINGS FROM CANNED/PRODUCT DATA							
(not adjusted for transfers)							
			(tonnes)				
1934	113	265	1,526	370	88	-	2,363
1935	47	520	1,453	537	139	-	2,696
1936	185	35	2,142	757	162	-	3,282
1937	3	76	1,369	552	482	0.1	2,482
1938	0.05	0.05	528	67	31	-	627
1939	1	1	29	154	135	-	320
LANDINGS ADJUSTMENT FACTORS							
1934	1.2312	1.0833	1.5175	2.3617	0.9985	-	1.5680
1935	3.0780	1.9251	1.5628	1.4896	1.5387	-	1.6431
1936	0.1549	0.0070	1.0072	1.3375	0.9958	-	1.0242
1937	26.0984	6.4800	1.4659	1.6502	1.0032	1.0000	1.5977
1938	1.0000	1.0000	6.4203	7.2786	1.0000	-	6.2424
1939	1.0000	135.3529	19.8631	9.8344	1.4216	-	7.4979

a. See Appendix F, Section 6.5 for calculation methods.

Table F49. Landings adjustment factors for Juan de Fuca Strait, 1934-1939.
Landings in text Table 51 for 1933 to 1950 have been adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA							
			(tonnes)				
1934	(83)	-	-	245	308	-	470
1935	-	(109)	5	98	47	-	41
1936	84	-	218	-	49	-	351
1937	(26)	(64)	57	18	63	-	48
1938	(15)	-	14	199	108	-	306
1939	(54)	(216)	(0.4)	84	26	(0.2)	(161)
LANDINGS FROM CANNED/PRODUCT DATA							
(not adjusted for transfers)							
			(tonnes)				
1934	233	0.4	30	263	411	3	940
1935	214	594	17	269	407	4	1,507
1936	235	-	241	133	249	5	864
1937	235	322	68	108	285	2	1,019
1938	144	2	102	212	278	7	745
1939	107	198	95	191	301	5	896
LANDINGS ADJUSTMENT FACTORS							
1934	1.3571	1.0000	1.0000	0.0676	0.2496	1.0000	0.5000
1935	1.0000	1.1837	0.6875	0.6366	0.8853	1.0000	0.9729
1936	0.6436	-	0.0940	1.0000	0.8047	1.0000	0.5938
1937	1.1116	1.1977	0.1529	0.8361	0.7802	1.0000	0.9531
1938	1.1054	1.0000	0.8663	0.0625	0.6096	1.0000	0.5897
1939	1.5081	2.0920	1.0038	0.5602	0.9140	1.0370	1.1797

a. See Appendix F, Section 6.5 for calculation methods.

Table F50. Landings adjustment factors for the West Coast of Vancouver Island, 1934-1939. Landings in text Table 52 for 1933 to 1950 have been adjusted for transfers.[a]

Year	Sockeye	Pink	Chum	Coho	Chinook	Steelhead	Total
ESTIMATED NET TRANSFERS (out of area) FROM CANNED/PRODUCT DATA							
(tonnes)							
1934	227	17	(1,802)	(74)	(182)	-	(1,814)
1935	(7)	96	(608)	(126)	(29)	-	(673)
1936	259	(63)	(3,602)	252	(62)	(18)	(3,234)
1937	(175)	(2,313)	980	49	3	-	(1,455)
1938	(265)	(78)	(965)	(306)	(12)	-	(1,626)
1939	(29)	93	(981)	(552)	(0.3)	-	(1,469)
LANDINGS FROM CANNED/PRODUCT DATA							
(not adjusted for transfers)							
(tonnes)							
1934	902	135	4,206	932	1,252	-	7,427
1935	320	126	4,584	1,795	2,114	0.1	8,939
1936	755	594	8,154	1,124	1,225	0.1	11,851
1937	323	283	4,064	779	1,231	3	6,684
1938	161	93	5,262	1,298	889	6	7,710
1939	63	103	2,597	1,315	1,102	2	5,182
LANDINGS ADJUSTMENT FACTORS							
1934	0.7483	0.8770	1.4285	1.0793	1.1450	-	1.2443
1935	1.0204	0.2362	1.1325	1.0704	1.0137	1.0000	1.0753
1936	0.6574	1.1055	1.4417	0.7760	1.0509	134.3333	1.2729
1937	1.5421	9.1636	0.7588	0.9370	0.9973	1.0000	1.2177
1938	2.6453	1.8361	1.1834	1.2359	1.0138	1.0000	1.2109
1939	1.4638	0.0956	1.3779	1.4194	1.0002	1.0000	1.2835

a. See Appendix F, Section 6.5 for calculation methods.

Table F51. Salmon and steelhead catches during 1945-1950 (in hundredweight) from Schedule 1A forms.

Year	DBS Area	Area Name	Sockeye	Spring					Steelhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	3	Fraser River	58624	15811	5533		28865	50209	1211	350	22541	22891	78540	31561	243036
1946	3	Fraser River	200174	17173	3	312	19457	36945	1061	500	13040	13540	90	42157	293967
1947	3	Fraser River	21267	23858	568	152	13850	38428	728	2525	12114	14639	89597	35940	200599
1948	3	Fraser River	41713	15424	948	98	9992	26462	1357		16230	16230	120	30789	116671
1949	3	Fraser River	50495	16656	61	1040	17362	35118	886	426	10862	11288	67750	36157	201694
1950	3	Fraser River	36816	13961	108	392	15238	29699	593	10	17207	17217	245	106610	191180
1945	5	North Q.C.I.	2	5574			1022	6596		159	20943	21102	781	1044	29525
1946	5	North Q.C.I.	8	8990		1	1287	10278	5		18418	18418	4096	712	33517
1947	5	North Q.C.I.		5670		54	959	6683	3		11282	11282	172	335	18475
1948	5	North Q.C.I.	15	5283		18	834	6135			9711	9711	32836	3996	52693
1949	5	North Q.C.I.		3976			641	4617	1		11135	11135	345	6512	22610
1950	5	North Q.C.I.	16	4374		11	545	4930	5		12035	12035	39343	18735	75064
1945	6	South Q.C.I.		158				158			5348	5348	2991	12012	20509
1946	6	South Q.C.I.		93			8	101	6		4414	4414	4929	36621	46071
1947	6	South Q.C.I.		264			21	285			3764	3764	902	14376	19327
1948	6	South Q.C.I.		502		3	44	549			5576	5576	7714	53985	67824
1949	6	South Q.C.I.		614			52	666	1		4789	4789	2817	28408	36681
1950	6	South Q.C.I.	51	2262	26	1	186	2475	8		5288	5288	36650	125694	170166
1945	7	Naas River	7442	6467	28		1082	7577	187		26321	26321	29242	4118	74887
1946	7	Naas River	10756	7200		117	1387	8704	255		15606	15606	7526	13170	56017
1947	7	Naas River	8169	6234		63	1077	7374	176		11465	11465	4800	8764	40748
1948	7	Naas River	9868	5496		65	923	6484	162		14942	14942	8472	6739	46667
1949	7	Naas River	6900	3457		64	699	4220	317		7429	7428.5	28885	6350	54101
1950	7	Naas River	17900	1800		175	235	2210	281		7850	7850	15900	12400	56541
1945	8	Skeena River	78091	6473	598		1019	8090	1568		34762	34762	56337	7560	186408
1946	8	Skeena River	39619	9687	310	315	1446	11758	4386		33184	33184	9533	13719	112199
1947	8	Skeena River	24399	10372	102	171	1503	12148	1843		15590	15590	10826	8111	72917
1948	8	Skeena River	75992	10726		125	2024	12875	3864		23562	23562	44192	10597	171082
1949	8	Skeena River	49127	12328	197	323	2684	15532	1148		25493	25493	26672	5110	123082
1950	8	Skeena River	33735	6631		410	976	8017	1890		11000	11000	18140	9950	82732

Table F51. Continued

Year	DBS Area	Area Name	Sockeye	Spring					Stlhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	9	Grenv.-Princ.	3739	436	4		90	530	6		4741	4741	15267	3692	27975
1946	9	Grenv.-Princ.	2609	1665		4	297	1966	12		3845	3845	5907	4188	18527
1947	9	Grenv.-Princ.	2059	4094		49	534	4677	5		3841	3841	1867	2581	15030
1948	9	Grenv.-Princ.	3055	1248		76	302	1626	7		1889	1889	17401	3010	26988
1949	9	Grenv.-Princ.	3088	1138		71	264	1473	13		4287	4287	12554	2994	24409
1950	9	Grenv.-Princ.	6739	1621		10	658	2289	63		1676	1676	14746	11141	36654
1945	10	Butedale	4959	348	4		170	522	21		18889	18889	140129	45038	209558
1946	10	Butedale	1918	1080		5	1041	2126	61	39	14451	14490	53675	49860	122130
1947	10	Butedale	4095	1498		22	455	1975	14		15434	15434	40122	81911	143551
1948	10	Butedale	4508	1021		46	708	1775	48		14008	14008	64653	120000	204992
1949	10	Butedale	4236	967		53	371	1391	21		14340	14340	63896	29668	113552
1950	10	Butedale	7522	1671		10	896	2577	111		5034	5034	11977	35259	62480
1945	11	Bella Bella	3807	790	62		1010	1862	158		10416	10416	76801	37534	130578
1946	11	Bella Bella	2456	2629		49	200	2878	200	27	7656	7683	4036	77644	94897
1947	11	Bella Bella	3906	1000		141	223	1364	197		15418	15418	27908	99312	148105
1948	11	Bella Bella	5780	1678	16	243	273	2210	358		17984	17984	33537	43067	102936
1949	11	Bella Bella	2691	1525	14	170	454	2163	244		19951	19950.5	40811	63321	129181
1950	11	Bella Bella	1152	2212		6	537	2755	115		9582	9582	14064	67737	95405
1945	12	Bella Coola	7200	73	51		39	163	266		7080	7080	58177	20974	93860
1946	12	Bella Coola	3537	1319		48	269	1636	517		5937	5937	9656	52637	73920
1947	12	Bella Coola	3571	191		10	40	241	143		3951	3951	14963	43078	65947
1948	12	Bella Coola	4051	1065		21	239	1325	402		2322	2322	15187	17849	41136
1949	12	Bella Coola	1536	639		8	207	854	137		4379	4379	24601	16870	48377
1950	12	Bella Coola	3739	709		17	118	844	496		13364	13364	86911	44363	149717
1945	13	Rivers Inlet	69717	183	529		163	875	249	20	14412	14432	7505	12652	105430
1946	13	Rivers Inlet	51460	677		69	154	900	281	32	7092	7124	1513	30536	91814
1947	13	Rivers Inlet	103954	283		10	66	359	218		4034	4034	7216	15872	131653
1948	13	Rivers Inlet	28249	489	17	62	151	719	326		7720	7720	6293	18153	61460
1949	13	Rivers Inlet	29866	776		16	190	982	216		4756	4756	9815	12408	58043
1950	13	Rivers Inlet	101977	1145	1	27	337	1510	226		6529	6529	10056	28105	148403

Table F51. Continued

Year	DBS Area	Area Name	Sockeye	Spring					Stlhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	14	Smith Inlet	6627	16	1		3	20	21		408	408	1773	2811	11660
1946	14	Smith Inlet	12961	15		8	14	37	28		152	152	183	6284	19645
1947	14	Smith Inlet	27966	384		2	24	410	19		287	287	840	5954	35476
1948	14	Smith Inlet	7842	200	3	9	41	253	101		725	725	1185	2118	12224
1949	14	Smith Inlet	9862	83		2	33	118	48		592	592	2105	2098	14823
1950	14	Smith Inlet	29739	72		4	43	119	59		523	523	4206	6721	41367
1945	17	Alert Bay	4767	1971	6		613	2590	112	11	42642	42653	150288	97946	298356
1946	17	Alert Bay	25545	2238		23	745	3006	120	259	11734	11993	3938	114107	158709
1947	17	Alert Bay	11861	2534	312	8	582	3436	74	53	40439	40492	193617	172234	421714
1948	17	Alert Bay	9538	7601	383	33	4211	12228	216	303	41777	42080	32950	148227	245239
1949	17	Alert Bay	18016	6312	504	82	1994	8892	141	1032	32558	33590	122816	83000	266455
1950	17	Alert Bay	25704	7505	165	39	2482	10191	131	266	36305	36571	86867	189157	348621
1945	18	Quathiaski	255	2099	157		2002	4258	13	3095	9095	12190	12532	39400	68648
1946	18	Quathiaski	4828	2353		20	1910	4283	42	6245	2987	9232	1597	64899	84881
1947	18	Quathiaski	944	1622	36	236	1941	3835	11	1017	11458	12475	25430	47025	89720
1948	18	Quathiaski	491	1071	2	10	2339	3422	25	1216	4527	5743	2534	31375	43590
1949	18	Quathiaski	2158	1545	240	51	1838	3674	21	253	5478	5731	20629	32961	65174
1950	18	Quathiaski	2194	2636	12	25	2225	4898	20	2575	5672	8247	8945	57639	81943
1945	19	Comox		274	76		48	398	2	3777	2238	6015	58	14339	20812
1946	19	Comox		139	62		31	232	2	155	1041	1196	3	23608	25041
1947	19	Comox	154	371		3	30	404	5	668	1378	2046	1218	2465	6292
1948	19	Comox		890		5	818	1713	4	12688	566	13254	7	11752	26730
1949	19	Comox	178	947	7	24	2298	3276	2	3567	975	4542	2458	8134	18590
1950	19	Comox	780	725	4	5	65	799		1362	2200	3562	202	24266	29609
1945	20	Pender Harb.	131	1431	307		929	2667	150	1788	4172	5960	4150	7774	20832
1946	20	Pender Harb.	29	2037	13	15	860	2925	3	604	1700	2304	134	12269	17664
1947	20	Pender Harb.	1193	1032	45	17	964	2058		1005	1758	2763	20825	3622	30461
1948	20	Pender Harb.	67	877		12	1243	2132	1	1781	1858	3639	12	13087	18938
1949	20	Pender Harb.	46	1368	62	18	1845	3293	2	683	2614	3297	5765	10957	23360
1950	20	Pender Harb.	36	302	2	11	28	343	2	1640	872	2512	15	5217	8125

Table F51. Continued

Year	DBS Area	Area Name	Sockeye	Spring					Stlhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	21	Nanaimo	107	2262	60		1107	3429	60	10333	6789	17122	1456	8566	30740
1946	21	Nanaimo	2492	1192	8	13	557	1770	9	4470	1934	6404	1	9116	19792
1947	21	Nanaimo	59	2074	68	121	568	2831	14	1150	2372	3522	6536	15605	28567
1948	21	Nanaimo	47	394	1	39	224	658	10	3359	3139	6498	46	20417	27676
1949	21	Nanaimo	226	1109		29	1304	2442	6	276	2377	2653	7817	8161	21305
1950	21	Nanaimo	1322	450	7	4	300	761	4	1819	6800	8619	59	31518	42283
1945	22	Victoria	1793	7702	54		3743	11499	202	4	9428	9432	15947	388	39261
1946	22	Victoria	44555	4717		3	1656	6376	162		4061	4061	168	2427	57749
1947	22	Victoria	678	2191	1		829	3021	83		5364	5364	30406	3146	42698
1948	22	Victoria	4129	4738			1081	5819	119		2834	2834	7	1160	14068
1949	22	Victoria	5561	4711		79	1429	6219	73	4	12070	12074	78002	5445	107374
1950	22	Victoria	20735	5726	180	98	1778	7782	107	248	11415	11663	388	5872	46547
1945	23	Nitinat	259					0			1866	1866	2118	638	4881
1946	23	Nitinat	1287	1			2	3			472	472		8941	10703
1947	23	Nitinat	333	66		1	3	70	8		707	707	992	2732	4842
1948	23	Nitinat	255	2				2			45	45	2	2741	3045
1949	23	Nitinat	410	573	87		94	754	11	21	1235	1256	995	40	3466
1950	23	Nitinat	205	872			26	898	1		1402	1402	4	2210	4720
1945	24	Alberni	110	8248			1186	9434	9		24730	24730	834	3979	39096
1946	24	Alberni	255	12270	29		2041	14340	45		10479	10479		27061	52180
1947	24	Alberni	374	12026	64	215	783	13088	13	10	18935	18945	792	4460	37672
1948	24	Alberni	1090	11041	4	26	2165	13236	31	11	19473	19484	76	21982	55899
1949	24	Alberni	3291	13373	111		3142	16626	5	92	19621	19713	265	30596	70496
1950	24	Alberni	2834	22000	1237	57	4400	27694	87		12225	12225	8	34000	76848
1945	25	Clayoquot Sd	138	4719			571	5290			6285	6285	93	2407	14213
1946	25	Clayoquot Sd	746	18031			4297	22328	38		7448	7448	1	4152	34713
1947	25	Clayoquot Sd	812	573			66	639	1		1916	1916	128	1452	4948
1948	25	Clayoquot Sd	120	3870		3	443	4316		14	4089	4103	26	5722	14287
1949	25	Clayoquot Sd	2673	9061	50		1345	10456		42	7555	7597	3380	62	24168
1950	25	Clayoquot Sd	203	8128	472	12	600	9212	2		6457	6457	13	4712	20599

Table F51. Continued

Year	DBS Area	Area Name	Sockeye	Spring					Stlhd	Coho			Pink	Chum	Total
				Red	Pink	Jack	White	Total		Bluebk	Coho	Total			
1945	26	Nootka Sd.	1	4063			647	4710			4301	4301	17	6690	15719
1946	26	Nootka Sd.	1109	2016			326	2342	9		3100	3100	1	18880	25441
1947	26	Nootka Sd.	23	1285	45	47	91	1468	2	2	2739	2741	25322	8572	38128
1948	26	Nootka Sd.	60	5829	5	5	976	6815	18	11	5564	5575	48	26365	38881
1949	26	Nootka Sd.	299	3300		1	474	3775	1	109	3653	3762	2012	46	9895
1950	26	Nootka Sd.		4399	114	10	865	5388	2		6673	6673	13	18500	30576
1945	27	Kyuquot Sd.	12	4848			570	5418			6288	6288		1343	13061
1946	27	Kyuquot Sd.	36	10364		1	1661	12026	24	58	13611	13669	23	7418	33196
1947	27	Kyuquot Sd.	8	2876	39	130	165	3210	2	14	3343	3357	117	5454	12148
1948	27	Kyuquot Sd.		11493		17	802	12312	1	11	12114	12125	11	7498	31947
1949	27	Kyuquot Sd.	104	13868			951	14819	1	26	7771	7797	1388	51	24160
1950	27	Kyuquot Sd.		4134	100	17	624	4875	4		5957	5957	13	14500	25349
1945	28	Quatsino Sd.		1607			115	1722			7338	7338		1544	10604
1946	28	Quatsino Sd.	3	4875		45	433	5353		192	4483	4675	1	3957	13989
1947	28	Quatsino Sd.	36	5700	900	20	431	7051	1	132	7268	7400	2220	2276	18984
1948	28	Quatsino Sd.	302	10873	65	154	928	12020		434	10080	10514	9	1863	24708
1949	28	Quatsino Sd.	93	3349			382	3731	2	25	5579	5604	1815	47	11292
1950	28	Quatsino Sd.		4500	100	10	4487	9097	9		6254	6254	4556	6050	25966
1945		Total B.C.	247781	75553	7470	0	44994	128017	4235	19537	291033	310570	655036	364010	#######
1946		Total B.C.	406383	110761	425	1048	40079	152313	7266	12581	186845	199426	107011	624363	#######
1947		Total B.C.	215861	86198	2180	1472	25205	115055	3560	6576	194857	201433	506816	585277	#######
1948		Total B.C.	197172	101811	1444	1070	30761	135086	7050	19828	220735	240563	267318	602492	#######
1949		Total B.C.	190856	101675	1333	2031	40053	145091	3297	6556	209498	216054	527593	389396	#######
1950		Total B.C.	293399	97835	2528	1351	37649	139363	4216	7920	192320	200240	353321	860356	#######