

APPENDIX C

GEOGRAPHICAL DIVISIONS USED TO REPORT PRODUCTION AND HARVEST STATISTICS

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GEOGRAPHICAL DIVISIONS USED TO REPORT PRODUCTION AND HARVEST STATISTICS

1. INTRODUCTION

A major decision we faced in assembling the available statistical material was the selection of areas. In the end we settled on ten areas (Figure 1) as explained below. Ideally, it would have been desirable to assemble the information for each of the post-1950 Statistical Areas. This was not possible because for many years prior to 1951 neither landings nor production data were available in such detail. In the end we selected the finest aggregations of areas that could be traced throughout the history of the fishery, and that were identifiable with modern Statistical Areas or groups of Statistical Areas. Efforts were made to ensure that the areas were sufficiently small to facilitate analyses dealing with important individual salmon stocks and stock aggregates. Figure C1 identifies geographical locations noted in this appendix (see also text Figures 1 - 3).

2. AREA BREAKDOWNS

2.1 1876-1887

Prior to 1888, Annual Reports of the Department of Marine and Fisheries (DMF) reported the weight of canned and other salmon products for a variety of localities that only resembled today's Statistical Areas because they included landings from the major river systems where the early fisheries first developed. In addition, statistics were published for other locations where canneries operated (e.g. Alert Bay) or where salmon products were processed and marketed (e.g. Victoria). It was a simple matter for us to assign the statistics for these locations to the ten areas used in this report.

2.2 1888-1900

Beginning in 1888, the reports presented production records for 13 locations with boundaries that can readily be related to those of the modern statistical system. Of course such areas covered much larger portions of the coast than do the 37 post-1950 areas. Exactly as described in the 1888 DMF report, the 13 areas were:

- 1) Fraser River and South to American Boundary
- 2) From Fraser River to How [Howe] Sound
- 3) From How Sound to Smith's [Smith] Inlet
- 4) From Smith's Inlet to River's [Rivers] Inlet
- 5) From River's Inlet to Skeena River
- 6) From Skeena River to Alaska Boundary
- 7) East Coast of Queen Charlotte's [Charlotte] Islands
- 8) West Coast of Queen Charlotte's Islands
- 9) From Cape Scott, V.I., to Comox River
- 10) From Comox River to Victoria
- 11) From Victoria to San Juan
- 12) From [Port] San Juan to Barkley Sound
- 13) From Barkley Sound to Cape Scott

Over the next few years the number of locations was reduced to ten; in 1894 these were:

- 1) Fraser River District, including Howe Sound and Burrard Inlet
- 2) Howe Sound to Rivers Inlet
- 3) Rivers Inlet to Skeena River
- 4) Skeena River to Alaska boundary
- 5) East coast of Queen Charlotte Island [Islands]
- 6) West coast of Queen Charlotte Island
- 7) Cape Scott to Comox
- 8) Comox to Victoria
- 9) Victoria to Cape Beale
- 10) Cape Beale to Cape Scott

2.3 1901-1950

In the 1901 DMF Annual Report the number of areas increased to 15. In 1912 Quatsino was added and for a while Cowichan was described more accurately as Victoria-Cowichan (see 1912 areas below). All catch and product statistics were reported by DMF for these locations through 1916:

- 1) Skeena River and Prince Rupert
- 2) Rivers Inlet
- 3) Naas [Nass] River
- 4) North Coast
- 5) Queen Charlotte Islands
- 6) Nanaimo
- 7) Victoria-Cowichan
- 8) Alberni
- 9) Clayoquot
- 10) Quatsino
- 11) Alert Bay
- 12) Quathiaski
- 13) Comox
- 14) Pender Harbour
- 15) District No. 1 [Fraser River]

In 1918, the Dominion Bureau of Statistics (DBS) Annual Report split the North Coast area into two (areas 4 and 5 below), combined Cowichan and Nanaimo, now described as “Sidney Island to French River [Creek]” (area 11 below), and presented more detailed descriptions of most of the above locations:

- 1) Skeena River and Prince Rupert
- 2) Rivers Inlet District
- 3) Naas River District
- 4) Bella Coola and Kimsquit District
- 5) Addenbrooke Island to Lowe Inlet
- 6) Queen Charlotte Islands
- 7) Cape Scott to Estevan Point
- 8) Estevan Point to Wreck Bay

- 9) Wreck Bay to Carmanah Point
- 10) Carmanah Point to south end Sidney Island
- 11) Sidney Island to French River [Creek], with islands opposite
- 12) French River to Oyster River, with islands opposite
- 13) Oyster River to Adams River, with surrounding district
- 14) Adams [Adam] River to Cape Scott and surrounding district including Knight Inlet
- 15) Bute Inlet to Gower Point
- 16) District No. I

Reporting in this format continued through 1927. In 1928, the number of locations was increased to 33. By 1930, however, a standard 23 locations were established that formed the basis for reporting through 1950. They are listed below, exactly as printed in the 1930 DBS report.

- 1) Massett Inlet and northern Graham Island and Queen Charlotte Islands
- 2) Southern Queen Charlotte Islands, including Skidegate Inlet
- 3) The Naas River
- 4) Skeena River including Prince Rupert and the Upper Skeena
- 5) Grenville-Principe area
- 6) Butedale including Gardiner Canal
- 7) Bella Bella and Fitzhugh Sound
- 8) Bella Coola, Dean and Burke Channels
- 9) Rivers Inlet
- 10) Smiths [Smith] Inlet
- 11) Cape Scott to Tuna Point, including all waters between Vancouver Island and the mainland
- 12) Tuna Point to Shelter Point, including mainland waters opposite
- 13) Shelter Point to French Creek
- 14) Mainland waters from Georges Point to Gower Point
- 15) French Creek to Shoal [Tsehum] Harbour
- 16) Shoal Harbour to Sambrio [Sombrio] Point, including Victoria
- 17) Sambrio [Sombrio] Point to Pachena Point, including Nitinat
- 18) Barclay [Barkley] Sound and Port Alberni
- 19) Wreck Bay to Estevan Point, including Clayoquot Sound
- 20) Estevan Point to Tatchu Point, including Nootka Sound
- 21) Tatchu Point to Cape Cook, including Kyuquot Sound
- 22) Cape Cook to Cape Scott, including Quatsino Sound
- 23) District No. 1 – Comprises Fraser River and Howe Sound

The locations bounding the reporting areas that are cited in DBS reports from 1918 onward (e.g. Tables B12 to B14) correspond closely to boundaries for Statistical Areas in 1951¹ (Figure 2) and to boundaries for Statistical Areas shown on the map in Burton's 1949 report (Figure 3), which interestingly enough was the earliest map we were able to find showing British Columbia statistical area boundaries prior to 1951.

1. Since 1951, there have been only minor adjustments to statistical area boundaries to accommodate, for example, offshore fisheries and administrative changes within DFO.

3. AREAS IN THIS REPORT

On the basis of our review of the different locations over the years, it was decided that the following ten areas represented the grouping that provided the finest breakdown that could be applied consistently throughout the history of the fishery. Matching areas from selected DMF/DBS publications for earlier years (our numbering from earlier in this appendix and numbering from the DMF/DBS reports), and the 1951 DFO Annual Report of British Columbia Catch Statistics are tabled below.

| AREAS IN THIS REPORT | D I S T R I C T | AREA NUMBERING IN THIS APPENDIX AND IN SELECTED DMF/DBS/DFO REPORTS | | | | | | |
|-------------------------|--------------------------------------|--|---------|---------------|-----------|---------------|---------|-----------|
| | | 1888 | | 1918 | | 1930 | | 1951 |
| | | THIS APPENDIX | DMF/DBS | THIS APPENDIX | DMF/DBS | THIS APPENDIX | DMF/DBS | DFO |
| Queen Charlotte Islands | II | 7-8 | 7-8 | 6 | 6 | 1-2 | 5-6 | 1, 2A, 2B |
| Nass River | II | 6 | 6 | 3 | 3 | 3 | 7 | 3 |
| Skeena River | II | 5 | 5 | 1 | 1 | 4 | 8 | 4 |
| North Coast | II | NR | NR | 4-5 | 4-5 | 5-8 | 9-12 | 5-8, 30 |
| Rivers & Smith Inlets. | II | 3-4 | 3-4 | 2 | 2 | 9-10 | 13-14 | 9-10 |
| Johnstone Strait | III | 9 | 9 | 13-14 | 13-14 | 11-12 | 17-18 | 11-13 |
| Strait of Georgia | III | 10 | 10 | 11-12, 15 | 11-12, 15 | 13-15 | 19-21 | 14-18 |
| Juan de Fuca Strait | III | 11 | 11 | 10 | 10 | 16 | 22 | 19-20 |
| W Coast Vancouver Is. | III | 12-13 | 12-13 | 7-9 | 7-9 | 17-22 | 23-28 | 21-27 |
| Fraser River | I | 1-2 | 1-2 | 16 | I | 23 | 3 | 28-29 |

NR No products or canned pack reported for the area.

Figure 1 in the main text illustrates our ten areas and also the three Districts into which all British Columbia Statistical Areas have been grouped for administrative purposes since 1904. Similar groupings of Statistical Areas have been used in the past to assess fisheries and status of stocks for sockeye salmon (e.g. Anonymous 1940-1983; Shepard and Withler 1958; Starr *et al.* 1984), pink salmon (e.g. Anonymous 1940-1983, Anderson 1976, 1977; Beacham 1984b; Henderson and Charles 1984), chum salmon (e.g. Hoar 1951, Roberts 1970, Palmer 1972, Anderson 1975; Beacham 1984a) and coho and chinook salmon (e.g. Milne 1964, Fraser *et al.* 1982.; Healey 1982, Argue *et al.* 1983).

4. ASSIGNMENT OF PLACE NAMES TO AREAS

What follows is a listing of all place names and statistical area designations used to record fisheries statistics for British Columbia from 1876 to 1950 that we encountered in government publications. We have grouped them into the ten major geographical areas of this report to aid those who wish to access the raw government data that we have summarised.

Names in the list were taken from Annual Reports of the Department of Marine and Fisheries (Anonymous 1868-1913), DBS Annual Reports titled Fisheries Statistics of Canada (Anonymous 1917-1950), and Annual Reports of the Fisheries Commissioner for British Columbia (Anonymous 1902-1930).

The list includes the names of companies and canneries that were used prior to 1900 to identify the location for salmon production statistics; these are distinguished from place names by "(C)". The original spellings have been retained in the list.

QUEEN CHARLOTTE ISLANDS:

East Coast of Queen Charlotte's Islands
East Coast of Queen Charlotte Islands
Graham Island excepting Skidegate Inlet, QCI
Masset Inlet, Northern Graham Island, QCI
Masset Inlet, northern Graham Island and Queen Charlotte Islands
Moresby Island excepting Skidegate Inlet, QCI
Queen Charlotte Is. District
Queen Charlotte Islands
Queen Charlotte North
Queen Charlotte South
Skidegate Inlet, QCI
South Queen Charlotte Islands including Skidegate Inlet
Southern Queen Charlotte Islands, including Skidegate Inlet
West Coast of Queen Charlotte Islands
West Coast of Queen Charlotte's Islands

NASS RIVER:

A.J. McLellan (C)
B.C. Canning Co. (Ltd.), Naas (C)
Cascade Packing Co. (C)
Douglas Packing Co. (C)
Federation (C)
From Skeena River to Alaska Boundary
H.E. Croasdaile (C)
Mill Bay
Mill Way (C)
Naas District

Naas River
Naas River District
Naas River Fishery (C)
Naas River to but not including Prince Rupert
Observatory Inlet
Skeena River to Alaska
The Naas River

SKEENA RIVER:

Aberdeen
Balmoral
Balmoral (C)
Balmoral Canning Co. (C)
British American (C)
British American Canning Co. (C)
Carlisle
Claxton
Essington
From River's Inlet to Skeena River
Inverness
Inverness (C)
Inverness Canning Co. (C)
Irving
Methlakatla
Metlakatla (C)
North Pacific (C)
North Pacific Canning Co. (C)
Port Essington
Prince Rupert
Prince Rupert to Ogden Channel including Skeena River
Rivers Inlet to Skeena River
Royal Canadian (C)
Skeena (C)
Skeena River
Skeena River Canning Co. (C)
Skeena River District
Skeena River and Prince Rupert
Skeena River, including Prince Rupert
Skeena River including Prince Rupert and the Upper Skeena
Standart (C)
Windsor (C)
Windsor Canning Co. (C)

NORTH COAST:

Addenbrooke Island to Lowe Inlet

Bella Bella
 Bella Bella and Fitzhugh Sound
 Bella Coola
 Bella Coola District
 Bella Coola and Kimsquit District
 Bella Coola, Dean and Burke Channels
 Bilhoola
 Butedale
 Butedale, Gardiner Canal
 Butedale including Gardiner Canal
 Cunningham and Rhude (C)
 Dean and Burke Channels
 Dean Channel
 Dean Channel District
 Deans Channel
 Fisher Channel and Fitzhugh Sound to Addenbrooke Island
 Greenville-Principe
 Greenville-Principe area
 Kitloupe River
 Lowe Inlet
 Lowe Inlet District
 Lowe's Inlet
 Lowe's Inlet Canning Co. (C)
 Lower Inlet Cannery (C)
 Namu (C)
 Namu Harbour
 Nanaimo Cannery (C)
 North Coast
 Ogden Channel to Wright Sound
 Price's Cannery (C)
 Price's Canning Co. (C)
 Princess Royal Island
 Swanson Bay to White Rock, Millbank Sound
 White Rock to Fisher Channel
 Wright Sound, Douglas Channel, Gardiner Canal, Butedale to Swanson Bay

RIVERS AND SMITH INLETS:

Addenbrooke Island to Canoe Rock
 Canoe Rock to Cape Caution
 From How Sound to Smith's Inlet
 From Smith's Inlet to River's Inlet
 Good Hope (C)
 Howe Sound to Rivers Inlet
 Howe Sound to Rivers Inlet
 Quashela Packing Co. (C)
 Rivers Inlet
 Rivers Inlet Cannery (C)

Rivers Inlet Canning Co. (C)
Rivers Inlet District
Rivers and Smith's Inlet District
Smith Inlet District
Smiths Inlet
Smith's Inlet
Victoria (C)
Wannock Packing Co. (C)
Warnock (C)

JOHNSTONE STRAIT:

Adams River to Cape Scott and surrounding district including Knight Inlet
Alert Bay
Alert Bay Cannery (C)
Alert Bay Canning Co. (C)
Alert Bay District
Alert Bay Packing Co. (C)
Alert Bay to Cape Scott including mainland waters opposite
Bute Inlet Cannery (C)
Cape Scott to Comox
Cape Scott to Tuna Point, including all waters between Vancouver Island
and the mainland
Cape Scott to Tuna Point including waters between V.I. and Mainland
C.J. Hobson & Co. (C)
Comox
Comox, N.E. Vancouver Island
From Cape Scott, V.I., to Comox River
Gardner's Inlet
Nimpkish River
Oyster River to Adams River, with surrounding district
Oyster River to but not including Alert Bay and including mainland waters opposite
Quathiaski
Quathiaska
Quathiaska Cove
Quathiaska District
Tuna Point to Shelter Point, including mainland waters
Tuna Point to Shelter Point, including mainland waters opposite

STRAIT OF GEORGIA:

Big Qualicum River to and including Oyster River
Bute Inlet to Gower Point
Comox
Comox to Victoria
Cowichan
Cowichan Bay to and including Big Qualicum River

Cowichan River to and including Big Qualicum River
 Crofton to Big Qualicum River
 Fish sold by hawkers at Victoria, Nanaimo, Cowichan, Comox, Alberni,
 and other places on Vancouver, and Islands in the Strait
 French Creek to Shoal Harbour
 French Creek to Shoal Harbour including Nanaimo
 French River to Oyster River, with islands opposite
 French Creek and coast to Oyster River
 From Comox River to Victoria
 Grief Point to Gower Point
 Mainland
 Mainland Waters from Georges Point to Gower Point
 Nanaimo
 Nanaimo & Coast to French Creek
 Nanaimo (Comox to Saanich)
 Nanaimo (Comox to Saanich with Islands opposite)
 Nanaimo, East Vancouver Island
 North Side Cowichan Bay to Big Qualicum River
 North Side of Toba Inlet to Grief Point
 Pender Harbour
 Pender Harbour District
 Residents above Victoria and Nanaimo and the coast of British Columbia
 Residents at Victoria and above Nanaimo and the Coast of British Columbia
 Residents at Victoria, Nanaimo and on the coast of Vancouver Island
 Separation Point to Nanaimo
 Shelter Point to French Creek
 Sidney Island to French River, with islands opposite
 Victoria, Nanaimo, and Coast of British Columbia
 West Coast, Mainland

JUAN DE FUCA STRAIT:

Beecher Bay
 Carmanah Point to south end Sidney Island
 Cowichan River
 Esquimalt Harbour to North Side Cowichan Bay
 From Victoria to San Juan
 San Juan Harbor to N Side Cowichan Bay
 San Juan River to Crofton
 San Juan Harbor to Victoria
 Shoal Harbour to Sambrio Point, including Victoria
 Various parties in Victoria Esquimalt and other places
 Victoria
 Victoria and Esquimalt
 Victoria District
 Victoria (Saanich to Cape Beale)
 Victoria to Cape Beale
 Victoria to Separation Point

Victoria to south end Sidney Island
Victoria, Cowichan
Victoria-Cowichan
Victoria, South Vancouver Island

WEST COAST OF VANCOUVER ISLAND:

Alberni
Alberni District
Barkley Sound
Barclay Sound & Port Alberni
Barclay Sound and Port Alberni
Barklay Sound to Cape Scott
Cape Beale to Cape Scott
Cape Cook to Cape Scott, including Quatsino Sound
Cape Scott to Estevan Point
Cape Scott to Tatchu Point
Clayoquot
Clayoquot (C)
Clayoquot District
Clayoquot Sound
Estevan Point to Tatchu Point, including Nootka Sound
Estevan Point to Wreck Bay
From San Juan to Barkley Sound
Kyuquot
Nootka
Point Estevan
Quatsino
Sambrio Point to Pachena Point
Sambrio Point to Pachena Point, including Nitinat
Sambrio Point to Pachena Point, including Nitinat Arm
San Juan to Cape Beale
Tatchu Point to Cape Cook, including Kyuquot Sound
Tatchu Point to and including Wreck Bay
West Coast
West Coast Vancouver Island
Wreck Bay to Carmanah Point
Wreck Bay to Estevan Point including Clayquot Sound
Wreck Bay to San Juan Harbour

FRASER RIVER:

Adair & Co. (C)
Albion Island
Alliance (C)
Annandale (C)
Annville

Atlas (C)
 B. Haigh & Sons (C)
 Beaver (C)
 Beaver Canning Co. (C)
 Bon Accord Fishing Co. (C)
 Boutilier (C)
 British American (C)
 British American Packing Co. (C)
 British Columbia (C)
 British columbia Packing Co. (C)
 British Union Packing Co. (C)
 Brunswick Canning Co. (C)
 Burrard Inlet
 Burrard's Inlet and other places
 Canadian Pacific (C)
 Canoe Pass
 Canoe Pass (C)
 Canoe Pass Canning Co. (C)
 Canoe Pass District
 Carlisle (C)
 Coquitlam
 Dear Island
 Dease Island
 Dea's Island
 Delta (C)
 Delta Canning Co. (C)
 District No. 1
 District No. 1 – Comprises Fraser River and Howe Sound
 District (No. 1)
 Dumfries (C)
 E.A. Wadhams (C)
 English & Co. (C)
 English Bay
 Ewen's (C)
 Ewen & Co. (C)
 Findlay, Durham & Brodie (C)
 Finlayson & Lane (C)
 Fisherman's Canning Co. (C)
 Fish sold by hawkers at Vancouver, Moodyville and Port Moody
 Floating Cannery (C)
 Fraser River
 Fraser River and South to American Boundary
 Fraser River Cannery (C)
 Fraser River District
 Fraser River District, including Howe Sound
 Fraser River District, including Howe Sound and Burrard Inlet
 Fraser River to American Boundary
 From Fraser River to How Sound
 Gary Point (C)

Good Murphy (C)
Gulf of Georgia Canning Co. (C)
Harlock's Harlock Canning Co. (C)
Holbrooke & Co. (C)
Holly (C)
Imperial (C)
King & Co. (C)
Ladner's Landing
Ladner's
Laidlaw's (C)
Laidlaw & Co. (C)
Lane Pike & Nelson (C)
Lion Island
Lulu Island
Lulu Island (C)
Near mouth of Fraser River
New Westminster
New Westminster and other points
New Westminster District
North Arm
North Arm District
North Arm, Fraser River
Pacific Coast (C)
Phoenix (C)
Phoenix Canning Co. (C)
Port Guichon
Port Hammond
Residents above Burrard Inlet
Residents about N.W. (New Westminster)
Residents above New Westminster
Residents at Vancouver and Port Moody and neighbourhood of Burrard Inlet
Residents in the neighbourhood of Burrard Inlet
Richmond (C)
Richmond Canning Co. (C)
Sapperton
Sea Island
Sea Island Canery Co. (C)
Spratts Ark (C)
Star (C)
Stave River
Steverton
Steveston (C)
Steveston District
Sunnyside
Terra Nova (C)
Vancouver
Vancouver District
Wadham's (C)
Wellington (C)

Wellington Canning Co. (C)
Westham Island
Westminster District

Figure C1. Geographical locations noted in this appendix that are not included on main text Figures 1 to 3.

