

DOMINION OF CANADA

SIXTY-FIRST

ANNUAL REPORT

OF THE

# FISHERIES BRANCH

Department of Marine and Fisheries

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FOR THE YEAR

1927-28



OTTAWA  
F. A. ACLAND  
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY  
1928



*To His Excellency the Right Honourable Viscount Willingdon, G.C.S.I.,  
G.C.M.G., G.C.I.E., G.B.E., Governor General and Commander in Chief  
of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY:

I have the honour to submit herewith, for the information of your Excellency and the Parliament of Canada, the Sixty-first Annual Report of the Fisheries Branch of the Department of Marine and Fisheries.

I have the honour to be,

Your Excellency's most obedient servant,

P. J. ARTHUR CARDIN,

*Minister of Marine and Fisheries.*

DEPARTMENT OF MARINE AND FISHERIES,  
Ottawa, July, 1928.

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## DEPUTY MINISTER'S REPORT

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To the Hon. P. J. A. CARDIN,  
Minister of Marine and Fisheries.

SIR,—I have the honour to submit the Sixty-first Annual Report of the Fisheries Branch of the Department, which is for the fiscal year ended March 31, 1928.

The report deals with the following subjects:—

- Review of the Fisheries of 1927.
- Operation of the Fish Inspection Act.
- The Inspection of Canneries and Canned Fish.
- Imperial Economic Committee's Report on Marketing Canadian Fish.
- Fisheries Intelligence Service.
- Fishing Bounty.
- Fish Culture.
- North American Committee on Fisheries Investigation.
- International Fisheries Commission.
- Marine Biological Board.
- Prosecutions.
- Oyster and Scallop Investigations.

Appendices to the report include the following:—

- Report of Inspectors of Fisheries.
- Report on Activities of Marine Biological Board.
- Report on Oyster and Scallop Investigations.
- Report of Fisheries Engineer on Fishways, etc.
- Fisheries Expenditure and Revenue.
- Entries of United States Fishing Vessels.
- Summary of Licenses Issued.
- Return of Prosecutions.
- Expenditure and Revenue by provinces, 1867-1927.
- Report of Mr. J. J. Cowie and Mr. G. R. Earl on their work with Imperial Economic Committee.
- Report on the Fisheries of the McKenzie River Delta.

### REVIEW OF THE FISHERIES OF 1927

During the year under review the quantity of fish landed, both sea and inland, was much less than in 1926, and the marketed value was considerably lower. The marketed value for the whole of Canada was \$49,497,038, while for 1926 it was \$56,360,633.

The following table shows the marketed value by provinces for the whole of Canada, as compared with the two preceding years:—

|                           | 1927       | 1926       | 1925       |
|---------------------------|------------|------------|------------|
|                           | \$         | \$         | \$         |
| Nova Scotia.....          | 10,783,631 | 12,505,922 | 10,213,779 |
| New Brunswick.....        | 4,406,673  | 5,325,478  | 4,798,589  |
| Prince Edward Island..... | 1,367,807  | 1,358,934  | 1,598,119  |
| Quebec.....               | 2,736,450  | 3,110,964  | 3,044,919  |
| Ontario.....              | 3,670,229  | 3,152,193  | 3,436,412  |
| Manitoba.....             | 2,039,738  | 2,328,803  | 1,466,939  |
| Saskatchewan.....         | 503,609    | 444,288    | 494,882    |
| Alberta.....              | 712,469    | 749,076    | 455,504    |
| British Columbia.....     | 23,264,342 | 27,367,109 | 22,414,618 |
| Yukon Territory.....      | 12,090     | 17,866     | 15,370     |
| Total.....                | 49,497,038 | 56,360,633 | 47,942,131 |

The province of Nova Scotia shows a decrease in value of a million and half dollars from the 1926 value but is a half million dollars ahead of that for 1925. Unfavourable weather conditions during 1927 were responsible for a large part of the decreased catch in this province, together with an over-production in the months of November and December of 1926, when unusually mild and favourable weather conditions aided the fishermen in landing large quantities of fish. The catch of cod and haddock was much lower and gave a decrease in value of \$1,200,000 and \$270,000 respectively.

In the province of New Brunswick, where the drop in value was nearly a million dollars, there were smaller catches of cod, pollock, herring, and lobsters. Notwithstanding a larger quantity of sardines landed, the value was less by some \$170,000.

The value of the fisheries of Prince Edward Island shows a slight increase over that of the previous year, due to higher prices obtained for certain kinds of fish, although the catches in most instances were about the same or slightly lower than in 1926.

In the province of Quebec, sea fisheries district, there were decreases in the catch of cod, herring, and lobsters, three of the chief kinds taken. The catch of salmon was slightly less, while a large increase in the catch of mackerel is recorded.

The increase in the value for Ontario was due to larger catches of herring, trout, and tullibee. Although the catch of whitefish was slightly less than in 1926, a higher value was obtained.

Notwithstanding that the quantity of some of the principal kinds of fish landed was greater, the value shows a decrease. This was owing to poor markets and low prices received especially for pickerel and tullibee, which constitutes a large part of the total production.

The catch of whitefish in Saskatchewan shows an increase, with an increase of over \$60,000 in value. There was also an increased catch of pickerel.

In Alberta there was a large decrease in the catch and value of pickerel, an increase in the catch of pike but a drop in value, more than double the catch of trout, and a slight decrease in the catch of whitefish.

The province of Saskatchewan is the only one of the three Prairie Provinces to show an increased value. This was due to increased catches of pickerel and whitefish. In the province of Manitoba there were larger quantities of pickerel

and tullibee landed but, owing to lower prices, there was a drop in the marketed value of each. Fewer whitefish were taken. In the province of Alberta the total value is less despite the fact that some kinds of fish show large increases in the catch. Trout shows an increase from 3,907 cwt. to 10,882 cwt. with a corresponding increase in value, while tullibee also shows an increase in catch and value. The catch of pike was considerably larger but the value somewhat less.

The province of British Columbia shows a considerable decrease. A big drop in the catch of salmon and a smaller catch of halibut were mainly responsible for the decrease. A much larger quantity of herring and pilchards were taken than in 1926.

#### ATLANTIC COAST

*Cod, Haddock, Hake, and Pollock.*—The total quantities of these kinds of fish landed were 2,612,743 cwt., as compared with 3,429,024 cwt. in 1926. In each of the kinds of fish, in each of the provinces, with one or two exceptions, were decreased catches reported. The greatest falling off was in the catch of cod in Nova Scotia, which dropped from 1,858,944 cwt. in 1926 to 1,331,873 cwt. in 1927. The decrease in the catch of pollock in New Brunswick is quite noticeable, the figures for the year under review and the previous one being 7,693 cwt. and 38,271 cwt. respectively. Hake shows an increased catch in Nova Scotia of 27,000 cwt., there being 119,431 cwt. landed. Of the total of these kinds of fish landed, there were sold fresh and fresh fillets 334,175 cwt., or a decrease of 105,106 cwt. There were produced smoked and smoked fillets 111,431 cwt., compared with 151,357 cwt. in 1926.

The catch of the Lunenburg fleet was 227,590 quintals, or 115,140 quintals less. During the gale of August 24 this fleet suffered the loss of four vessels and their entire crews. The total number of vessels engaged in fishing during 1927 was 83, or 9 fewer than fished in 1926. The prices received for the dried product, while slightly better than in the previous year, were still quite low.

There were fourteen steam-trawlers operating out of Nova Scotia: seven from Canso and seven from Halifax. This number was an increase of two.

*Mackerel, Herring, and Sardines.*—Some 1,270,158 cwt. of these fish were landed. In the previous year 1,531,399 cwt. were landed, or a decrease of 261,241 cwt. during 1927. In Nova Scotia there were 50,000 cwt. less herrings taken, while the catch of mackerel was greater by nearly 5,000 cwt. Some 10,000 cwt. less of herring; only half the quantity of mackerel, and 6,000 cwt. more sardines were taken in New Brunswick. The demand for sardines after the American canners commenced buying was good but the run of sardines somewhat light. In Prince Edward Island the catch of herring shows a decrease of some 12,000 cwt., but owing to better prices the marketed value was only slightly less. The catch of mackerel was slightly more. The catch of herring was much lower in Quebec, while, on the other hand, a large increase of 48,000 cwt. of mackerel is noted.

*Other Sea Fish.*—The catch of halibut was greater by over 3,500 cwt. A decrease of over 5,700 cwt. is noted in the quantity of swordfish taken. The catch of tomcod was 22,744 cwt. and of flounders 9,383 cwt. This is an increase in the former and a decrease in the latter.

*Shellfish.*—The catch of lobsters was 316,831 cwt., which is a decrease of 12,751 cwt. from the 1926 catch and 24,007 cwt. less than the 1925 catch. The

catch by provinces and its disposal is given in the following table, together with a comparison for the year 1926:—

|                           | Catch   | *Marketed shell | Canned  |
|---------------------------|---------|-----------------|---------|
|                           | cwt.    | cwt.            | cases   |
| 1927                      |         |                 |         |
| Nova Scotia.....          | 179,673 | 68,021          | 55,771  |
| New Brunswick.....        | 49,752  | 16,162          | 18,866  |
| Prince Edward Island..... | 62,800  | 2,097           | 27,896  |
| Quebec.....               | 24,606  | 1,197           | 11,404  |
| Total.....                | 316,831 | 87,477          | 113,937 |
| 1926                      |         |                 |         |
| Nova Scotia.....          | 184,316 | 71,688          | 56,277  |
| New Brunswick.....        | 59,611  | 15,861          | 24,041  |
| Prince Edward Island..... | 66,298  | 3,153           | 29,442  |
| Quebec.....               | 29,358  | 847             | 13,759  |
| Total.....                | 339,583 | 91,549          | 123,519 |

\*Including lobster meat.

There were 19,462 barrels of oysters taken, which was slightly less than in 1926. Some 43,293 barrels of clams were dug, or an increase of over 1,500 barrels. The quantity of scallops taken shows a large increase, 38,635 barrels being landed, compared with 23,200 barrels during 1926. None of these shell-fish were landed in New Brunswick during the year, the quantity landed in Quebec was only one-third of that landed in 1926, while the landings in Nova Scotia were just about double.

*River Spawning Fish.*—The quantity of salmon landed was 49,113 cwt., or 3,682 cwt. less than in the previous year. A decreased catch was recorded for each of the Atlantic provinces. There was a decrease of 17,962 cwt. in the catch of smelts, only 72,519 cwt. being landed.

Some 54,115 cwt. of alewives were landed in New Brunswick and Nova Scotia, or a decrease of over 17,000 cwt. This fishery depends chiefly on the market for the salted. As the market was bad during the year, little interest was taken by the fishermen in this branch of the industry.

#### INLAND FISHERIES

The catch of whitefish was 185,664 cwt., compared with 190,644 cwt. in 1926. The province of Ontario, where the largest catch of this species is made, recorded a catch of some 61,658 cwt., or a drop of 2,391 cwt. Manitoba came second with 49,114 cwt. landed, a drop of 5,008 cwt. Saskatchewan was third with 41,323 cwt. landed, an increase of 3,656 cwt.

There were 140,019 cwt. of pickerel landed, or an increase of 13,933 cwt. Of the total, Manitoba contributed 99,813 cwt. which was an increase of 12,562 cwt.

The province of Ontario shows a catch of 31,173 cwt. of blue pickerel, a slight increase over the catch of the same kind in 1926.

The catch of pike was 70,473 cwt., which was a decrease of over 2,000 cwt. from the previous year. The province of Manitoba contributed some 40,166 cwt. to the total catch.

Some 58,099 cwt. of fresh water herring or ciscoes were taken in the province of Ontario from the Great Lakes area. This was an increase of over 14,000 cwt. as compared with 1926.

## PACIFIC COAST

The marketed value of the fisheries of the Pacific coast shows a decrease of \$4,139,205. This is accounted for by much smaller catches of salmon and halibut. There were increased catches of herring and pilchards.

*Salmon.*—The catch of salmon was 1,490,395 cwt., a decrease of 536,160 cwt. The pack was much less, 1,361,977 cases compared with 2,065,190 in 1926. Much of the decrease was due to extension of the close season and other measures for the protection of the salmon. The catch of sockeye while below the average was considered fairly satisfactory. During the fall there was a large run of late sockeye salmon in the Fraser river similar to that which occurred in 1926. The catch of pinks shows a big decrease. Owing to intensive fishing for this species it was deemed necessary to take extra precautions such as extension of the weekly close season and early closing of the season, etc., to ensure sufficient numbers reaching the spawning areas. An average catch of cohoes was made while the catch of chums was somewhat less.

*Halibut.*—The catch of halibut decreased by 14,563 cwt. to 300,532 cwt. It does not appear that the close season now in force has materially affected the catch and it would therefore seem that an extension of close season must be considered or some alternative if the halibut is not to be depleted.

*Herring.*—The catch was 1,724,246 cwt., compared with 1,301,269 cwt. in 1926. Of the catch over one million hundredweights of dry salted herring were produced for sale in the Orient. In the reduction works there were 170,450 gallons of herring oil and 1,838 tons of herring meal produced.

*Pilchards.*—Some 1,368,582 cwt. of these fish were landed, which was nearly fifty per cent more than in the preceding year. Pilchards are canned to a small extent, over 58,000 cases being put up which was more than double the pack of the previous year. The greatest use for these fish, however, is in the manufacture of meal and oil of which 2,673,876 gallons of the former and 12,169 tons of the latter were produced. The number of reduction establishments producing meal and oil from pilchards, herring and whales, was twenty-two and the value of their products (including the products of the whale factories) was \$2,289,952, or nearly double that for 1926.

*Whales and Seals.*—Two whaling stations were in operation during the year. The number of whales taken was 258 and the value of the products \$241,488. This was a decrease from 1926.

There were 1,476 fur seals taken by Indians under the Pelagic Sealing Treaty, compared with 2,824 in the preceding year.

## INSPECTION OF FISH

Inspection of certain kinds of cured fish was carried on as usual under the provisions of the Fish Inspection Act. The Act requires packers to have containers, as well as fish, in accordance with the standards laid down in the regulations, and empowers inspectors to examine such whenever and wherever it is necessary and convenient.

During the year there were inspected on the Atlantic coast 38,058 packages of various kinds containing salted herring, mackerel, alewives and salmon. There were also inspected 33,598 boxes of smoked herring. Further, there were inspected 61,400 empty barrels before they passed into the hands of the packers.

On the Pacific coast there were inspected 243,732 boxes of dry salted herring, each containing 400 pounds, before being exported to the Orient.

## STANDARDS OF SIZE AND QUALITY FOR SALTED COD, ETC.

In the course of the year the department, after consultation with the trade, established by law standards of size and quality for dry and salted cod, haddock, hake, cusk and pollock.

This was done as a result of representations to the effect that there were no well defined standards on which sellers and buyers of these fish could base just and reasonable prices. The same price is usually paid for fish that are not well cured as for fish that are well cured; consequently fishermen who cure their own fish have no incentive to improve the quality of their cure.

The standards thus established have been incorporated in the regulations to the Fish Inspection Act. The department's inspectors of fish curing and packing have been empowered to carry out such inspections as may be required. Inspection is not compulsory. The purpose simply is, for the present, to provide a means of guarding alike the interests of the fisherman and the dealer, when the former agrees to sell and the latter to buy dry or green salted fish in accordance with the established standards, at a price conditional upon the fish at the time of delivery being such as the standards require. Both seller and buyer in that event have an opportunity of requesting the nearest fish inspection officer to inspect the fish in question and decide as to whether they are up to the standard agreed upon.

## INSPECTION OF CANNERIES AND CANNED FISH

The department's officers carried on the inspection of fish canneries of all kinds, the raw material to be used, the finished product and the labelling and marking of the cans during the year, as previously.

There were in operation on the Atlantic coast 438 lobster canneries, 15 clam canneries, and 10 other fish canneries, in which were canned sardines, salmon, haddock, cod, and mackerel.

On the Pacific coast there were operated 77 salmon canneries, in some of which clams and pilchards were also canned.

Through the efforts of the inspecting officers there is from year to year more and more attention being given by canners to maintaining sanitary canning places, ensuring a high-class product, and generally complying with the various requirements of the Meat and Canned Foods Act, and the regulations.

## IMPERIAL ECONOMIC COMMITTEE ON MARKETING CANADIAN FISH

The Imperial Economic Committee appointed by the Governments of the United Kingdom, the Dominions, India, and the Colonies and Protectorates, and acting under its terms of reference from the last Imperial Conference, has completed a comprehensive inquiry into the methods of marketing and preparing for market in Great Britain fish foods produced within the Empire.

Canada was represented on the committee by Mr. J. J. Cowie, of the Department of Marine and Fisheries, and Mr. G. R. Earl, of Yarmouth, N.S., was associated with him as expert advisor from Nova Scotia.

The following is from the committee's report:—

The committee confined its attention to those sea fisheries the products of which largely enter into the food of the people of Great Britain. A number of witnesses representing both producing and marketing interests were examined, while the committee had the advantage of consultation with experienced officials of the home and overseas Governments and of eminent scientists.

Great Britain does not depend solely for its fish supply on catches by British fishermen. There are three sources of supply,—

- (1) landings by British fishing vessels,
- (2) landings from foreign vessels arriving direct from the fishing grounds, and
- (3) shipments as cargo from Empire and foreign ports.

The landings of herring and mackerel are usually more than equal to the home demand. On the other hand the British landings of cod, haddock, and such like fish referred to in the report as whitefish, are not always sufficient for the British demands.

Since the war the total quantity of whitefish sold per year in Great Britain has increased by 500,000 cwts. At the same time the British landings have decreased by 750,000 cwts., while imports, mostly foreign, have increased by 1,300,000 cwts. The British industry complains of this increased foreign competition.

The report goes on to say that if retail fish prices were in closer harmony with those of other foodstuffs and were whitefish ample and regular in supply and excellent in quality the demand would increase enormously. With a 10 per cent increase in the per capita consumption and a displacement of even one-half of the foreign imports there would be required British landings much in excess of any yet attained, while an unsatisfied demand to be met from other Empire sources would remain.

It is pointed out in the report that the Canadian representatives disclaim any desire to further embarrass or damage the British industry, but rather, in so far as it is possible, to supplant foreign importations and to share in the future growth of the market.

The opinion is fairly general that the North sea is being overfished and for some year British trawlers have been turning increasingly to more distant waters, consequently much of the fish that is landed is not in the best condition.

It is the opinion that stability in wholesale prices is the key to reduction in retail prices and in increased consumption. Under existing conditions, fresh fish must be marketed immediately after landing; this causes alternate gluts and shortages. If supplies could be stored even for a few days without deterioration the trade conditions would be revolutionized.

The Canadian shipper of fresh fish meantime cannot possibly foretell the price in the British wholesale market. It is useless for him to send large and irregular supplies and market them quickly in the manner customary in the British industry—i.e., in ice; the result would be to break the market to the detriment of himself and the British trade. He, too, needs regularity and stability, and this can only be attained by sending the best quality suitably preserved, and marketing them gradually.

The committee by this does not intend to convey the impression that prime fresh fish boxed in ice and shipped in refrigerated chambers from Canada cannot be landed in the British markets in good condition, but it does warn the trade against the hazard involved in that method of shipment.

It is noted that development in sea fishing for whitefish in Great Britain has taken the form of increased use of the steam trawler, whereas in Canada fishing by hook and line is most favoured. It is further noted that fish taken by line is less liable to injury than that taken by steam trawler, and as many of the line vessels and boats land their fish on the day of catching it is brought to shore in prime condition.

The committee's conclusions and recommendations, in so far as they concern Canada, may be summarized as follows:—

1. The demand in Great Britain is chiefly for fresh fish.
2. The consumption of whitefish has increased while that of herring has decreased.
3. Except for the requirements of a small export trade in salted cod, all the whitefish landed in Great Britain is consumed there. The demand is expanding, and with lower prices, better average quality, and more regular supplies is likely to expand further.
4. The increased demand has been met so far by increased foreign imports.
5. British vessels have found it necessary to fish on more distant grounds. The fish from these grounds is of variable quality when landed, according to the length of time after capture, as present methods of preservation are inefficient.

6. Better methods of preservation are required for fish, both before and after landing, to avoid wide fluctuations in price due to gluts or scarcity.

7. The present excessive fluctuations in price greatly increase the commercial risks of shipping fresh fish in ice from Canada and tend to discourage that branch of interimperial trade.

8. Believing that the prime essential for all improvement of organization lies in the study and application of better methods of preservation at an economic cost, the committee's principal recommendation is that research be instituted for the purpose of improving methods of preserving fish from the time it has been caught until it reaches the consumer.

9. This research should be based on a central station at a fishing port in Great Britain and a station in the Maritime Provinces of Canada.

10. The Governments of Great Britain and Canada should encourage co-operation and co-relation between the two stations in order to cheapen costs and secure more rapid results.

The report notes that the Canadian Government, recognizing that the development of an export trade in fish in prime condition depends on a satisfactory solution of the problem of preservation, has already established such a station at Halifax, Nova Scotia, where the methods of brine freezing fish are being tested and demonstrated. Some work of this nature has also been done in Great Britain at the Low Temperature Research Institute at Cambridge, but that institute suffers from the disadvantage of having an inland location.

11. Recent discoveries have drawn attention to the special value of cod liver oil as a source of vitamins, not only for medicinal purposes but for strengthening other foods deficient in this substance, and investigation is recommended into the causes of variation in the vitamin content of the oil and the methods of refining it so that the full vitamin content may be retained and the market objections to taste and odour eliminated.

12. It is necessary for the economic development of the industry to exploit to the fullest extent the by-products. Whitefish meal has special value for feeding animals and poultry. While there is a large market in Germany for fish meal, certain of the meat trades in Great Britain have opposed its use on the ground of its inducing taint. Repeated experiments at research stations, however, have demonstrated that there is no risk of taint, if the meal is used in the proportions and in the methods advocated by the English Ministry of Agriculture and Fisheries. The opening of an extended use of fish meal in Great Britain is very great and its development would benefit both the live stock industry and the fishing industry.

The committee believes a greater development of a trade from the fishing ports in fillets instead of whole fish is the line clearly indicated by economy, which would result in a greater beneficial use of by-products.

With respect to salted and dried fish, the report states there is a market for cured or salted cod in the British West African Colonies which, if studied and suited, will probably increase. It is mainly supplied by Norway meantime.

With respect to canned salmon, the committee states that in its report on meat issued two years ago, it pointed out that the compulsory marking of the country of origin on the cans would enable the British consumer to select Empire canned salmon in preference to foreign goods. As a result the British Merchandise Marks Act was amended in 1926 to give effect to this, and it is understood that the British Columbia producers are for the present watching its operation and the matter is left there, except to say that a high standard of quality must be maintained.

Besides taking part in the formal inquiries of the committee and assisting in drafting the report, the Canadian representatives made extended informal personal investigations amongst the trade in Great Britain and a report of their findings will shortly be made public.



## FISHERIES INTELLIGENCE SERVICE

Under this service there was carried on during the season of 1927:—

1. The collection of monthly statistics of the sea fisheries, and the compilation of such in a summarized form for publication through the press each month.

2. The publication of quarterly bulletin containing the statistics in detail. The bulletin is distributed to the trade and all directly concerned. The statistics are practically all collected by the regular fishery officers while performing their other duties as such and at very little additional cost.

3. The collection of information concerning supplies of bait day by day along certain stretches of the coast during the spring and summer months. The information is gathered by the officers of the department, who send it by telegram daily to certain ports where it is posted up for information of masters of fishing vessels and those looking for bait.

## FISHING BOUNTY

Under the authority of "An Act to Encourage the Development of the Sea Fisheries and the Building of Fishing Vessels," the sum of \$160,000 is appropriated annually by the Governor in Council. It is distributed under the name of fishing bounty, by the Department of Marine and Fisheries amongst fishermen, and fishing vessel and boat owners on the Atlantic coast under regulations made from time to time by the Governor in Council.

For the year 1927, payment was made on the following basis:—

To owners of vessels entitled to receive bounty, \$1 per registered ton, payment to the owner of any one vessel not to exceed \$80.

To vessel fishermen entitled to receive bounty, \$8 each.

To owners of boats measuring not less than 12 feet keel, \$1 per boat.

To boat fishermen entitled to receive bounty, \$6.60 each.

There were 9,609 bounty claims paid. In the preceding year there were 11,036 bounty claims paid.

The total amount paid was \$158,375.80 allocated as follows:—

|                                    |              |
|------------------------------------|--------------|
| To 543 vessels and their crew..... | \$ 44,462 50 |
| To 9,066 boats and their crew..... | \$113,913 30 |

## FISHING BOUNTY EXPENDITURE FOR 1927-28

| County             | Boats | Men   | Amount    | Vessels | Tons   | Avg. Tons | Men   | Amount    | Total Amount |
|--------------------|-------|-------|-----------|---------|--------|-----------|-------|-----------|--------------|
| <i>Nova Scotia</i> |       |       | \$ cts.   |         |        |           |       | \$ cts.   |              |
| Annapolis.....     | 141   | 225   | 1,626 00  | 1       | 15     | 15        | 5     | 55 00     | 1,681 00     |
| Antigonish.....    | 130   | 171   | 1,254 60  |         |        |           |       |           | 1,254 60     |
| Cape Breton.....   | 298   | 542   | 3,874 20  | 27      | 430    | 16        | 108   | 1,294 00  | 5,168 20     |
| Cumberland.....    | 2     | 3     | 21 80     |         |        |           |       |           | 21 80        |
| Digby.....         | 314   | 518   | 3,729 80  |         |        |           |       |           | 3,729 80     |
| Guysboro.....      | 535   | 852   | 6,158 20  | 23      | 382    | 17        | 114   | 1,294 00  | 7,452 20     |
| Halifax.....       | 855   | 1,117 | 8,225 20  | 68      | 1,036  | 15        | 284   | 3,308 00  | 11,533 20    |
| Inverness.....     | 223   | 463   | 3,195 80  | 4       | 47     | 11        | 19    | 199 00    | 3,394 80     |
| Kings.....         | 37    | 53    | 386 80    |         |        |           |       |           | 386 80       |
| Lunenburg.....     | 426   | 513   | 3,810 80  | 136     | 7,454  | 55        | 1,881 | 22,501 50 | 26,312 30    |
| Pictou.....        | 13    | 19    | 138 40    |         |        |           |       |           | 138 40       |
| Queens.....        | 138   | 244   | 1,748 40  | 14      | 220    | 15        | 72    | 796 00    | 2,544 40     |
| Richmond.....      | 336   | 583   | 4,180 80  | 13      | 182    | 14        | 41    | 505 00    | 4,685 80     |
| Shelburne.....     | 444   | 819   | 5,848 40  | 20      | 553    | 28        | 163   | 1,857 00  | 7,705 40     |
| Victoria.....      | 218   | 328   | 2,401 00  | 8       | 115    | 14        | 35    | 393 50    | 2,794 50     |
| Yarmouth.....      | 122   | 273   | 1,923 80  | 8       | 428    | 53        | 119   | 1,380 00  | 3,303 80     |
| Total.....         | 4,232 | 6,723 | 48,524 00 | 322     | 10,862 | 34        | 2,841 | 33,583 00 | 82,107 00    |

FISHING BOUNTY EXPENDITURE FOR 1927-28—*Concluded*

| County                          | Boats | Men    | Amount     | Vessels | Tons   | Avg.<br>Tons | Men   | Amount    | Total<br>Amount |
|---------------------------------|-------|--------|------------|---------|--------|--------------|-------|-----------|-----------------|
| <i>New Brunswick</i>            |       |        | \$ cts.    |         |        |              |       | \$ cts.   | \$ cts.         |
| Charlotte.....                  | 233   | 397    | 2,849 20   | 1       | 12     | 12           | 2     | 27 00     | 2,876 20        |
| Gloucester.....                 | 312   | 767    | 5,366 20   | 198     | 3,256  | 16           | 853   | 10,079 00 | 15,445 20       |
| Kent.....                       | 82    | 144    | 1,031 40   | 4       | 42     | 10           | 9     | 114 00    | 1,145 40        |
| Northumberland.....             |       | 1      | 5 60       | 5       | 51     | 10           | 13    | 153 00    | 158 60          |
| Restigouche.....                | 5     | 8      | 57 80      | 1       | 10     | 10           | 3     | 34 00     | 91 80           |
| St. John.....                   | 18    | 26     | 189 60     |         |        |              |       |           | 189 60          |
| Total.....                      | 650   | 1,343  | 9,499 80   | 209     | 3,371  | 16           | 880   | 10,407 00 | 19,906 80       |
| <i>Prince Edward<br/>Island</i> |       |        |            |         |        |              |       |           |                 |
| Kings.....                      | 257   | 347    | 2,537 20   |         |        |              | 1     | 7 50      | 2,544 70        |
| Prince.....                     | 574   | 1,091  | 7,585 35   | 1       | 12     | 12           | 1     | 20 00     | 7,605 35        |
| Queens.....                     | 133   | 269    | 1,889 40   | 2       | 24     | 12           | 4     | 56 00     | 1,945 40        |
| Total.....                      | 964   | 1,707  | 12,011 95  | 3       | 36     | 12           | 6     | 83 50     | 12,095 45       |
| <i>Quebec</i>                   |       |        |            |         |        |              |       |           |                 |
| Bonaventure.....                | 484   | 842    | 5,985 20   | 3       | 33     | 11           | 8     | 97 00     | 6,082 20        |
| Gaspé.....                      | 2,106 | 4,212  | 29,846 85  | 6       | 84     | 14           | 26    | 292 00    | 30,138 85       |
| Matane.....                     | 90    | 130    | 944 00     |         |        |              |       |           | 944 00          |
| Saguenay.....                   | 540   | 1,004  | 7,101 50   |         |        |              |       |           | 7,101 50        |
| Total.....                      | 3,220 | 6,188  | 43,877 55  | 9       | 117    | 13           | 34    | 389 00    | 44,266 55       |
| Grand total..                   | 9,066 | 15,961 | 113,913 30 | 543     | 14,386 | 26           | 3,761 | 44,462 50 | 158,375 80      |

## FISH CULTURE

The more important fresh-water and anadromous food and game fishes, such as Atlantic salmon and speckled trout in the Maritime Provinces, whitefish and pickerel in the Prairie Provinces, and Pacific salmon and trout in British Columbia, were given first consideration in the fish cultural operations of the department during the calendar year 1927, but in response to a constantly increasing public demand greater attention was paid to game fish, and the distribution of game trout was slightly better than ever before.

Some progress was made in the development of a brood stock of trout at the St. John hatchery, New Brunswick, where nearly two and three-quarter million trout eggs were produced during the year. Increased facilities for retaining and feeding fry, so as to afford a longer season for distribution, were provided at several establishments where such development was feasible, as the demand for assistance from areas that are beginning to feel the need of restocking is becoming more and more insistent.

The total distribution was considerably less during 1927 than it was during the previous year, due to the fact that eight hatcheries in Ontario were transferred to the provincial Department of Game and Fisheries in 1926, after the fry produced therein were disposed of, and were not operated by this department in 1927. The distribution from these eight hatcheries in 1926 was approximately four hundred and fifty-four million five hundred thousand, and, omitting the distribution from these establishments, the total output in 1927 was over twenty-seven million greater than in 1926.

In addition to the distributions that were made from the hatcheries, thirty-four lakes and streams received allotments of fry or older fish from other bodies of water. This work was largely confined to the Prairie Provinces, where there are many districts that are not readily accessible to existing hatcheries.

It involved the capture and transfer, in many instances for a considerable distance, of thirty-four thousand nine hundred and twenty-six fish comprising seven different species.

The seeding of remote and isolated waters (to which it is not feasible to transfer fry from existing hatcheries) was continued in British Columbia, and nine million seven hundred and forty-six thousand sockeye salmon eggs, collected in the Pemberton district below Hell's Gate on the Fraser and in the Babine district in the Skeena watershed, were planted in the one-time spawning beds of such important areas as Stuart, Francois, and Quesnel lakes in the Upper Fraser, above Hell's Gate.

Examinations and inspections were continued in the different provinces, with a view to locating waters where trout might be obtained for hatchery purposes, and with a view to locating sites where the fish cultural service might be advantageously extended by the construction of new establishments in districts that are difficult to cover from existing hatcheries.

As opportunity offered, the general inspection of waters throughout the country was continued by the officers and employees of the fish cultural and fishery services.

The Canadian National Railway, Canadian Pacific Railway, Dominion Atlantic Railway, Fredericton and Grand Lake Coal and Railway Company and New Brunswick Coal and Railway, Esquimalt and Nanaimo Railway, Kettle Valley Railway, and the Cumberland Railway and Coal Company continued their assistance and co-operation by furnishing free transportation for shipments of game fish and game fish eggs with their attendants. The extent of this co-operation is indicated by the following summary:—

| Railway              | Total mileage on trip passes | Number of passages | Mileage Baggage car permit |        |        | Number Cases or cans |       |       | Number of permits |
|----------------------|------------------------------|--------------------|----------------------------|--------|--------|----------------------|-------|-------|-------------------|
|                      |                              |                    | Full                       | Empty  | Total  | Full                 | Empty | Total |                   |
| C.N.R.....           | 25,317                       | 235                | 12,473                     | 11,624 | 24,097 | 991                  | 974   | 1,965 | 213               |
| C.P.R.....           | 14,219                       | 95                 | 8,253                      | 7,388  | 15,641 | 393                  | 393   | 786   | 103               |
| D.A.R.....           | 2,740                        | 26                 | 1,370                      | 1,370  | 2,740  | 136                  | 136   | 272   | 26                |
| F. & G.L.C. & R. Co. |                              |                    |                            |        |        |                      |       |       |                   |
| & N.B.C. & R.....    | 180                          | 4                  | 90                         | 90     | 180    | 16                   | 16    | 32    | 4                 |
| E. & N. Ry.....      | 1,186                        | 21                 | 666                        | 605    | 1,271  | 76                   | 69    | 145   | 24                |
| K.V. Ry.....         | 408                          | 2                  | 270                        | 270    | 540    | 2                    | 2     | 4     | 4                 |
|                      | 44,050                       | 383                | 23,122                     | 21,347 | 44,469 | 1,614                | 1,590 | 3,204 | 374               |

NOTE.—Number of passages refers to transportation one way. A return trip counts as two passages. Number of permits refers to one-way passage for cases or cans, either by permit, special authority or free transportation without a permit form.

The department participated with assortments of hatchery products and equipment in several exhibits for portraying natural resources. These exhibits were of considerable educational value and attracted great interest.

Gratifying reports regarding the results that are apparent from the distribution of hatchery products continued to come in from all districts where fish cultural operations are carried on in a systematic way.

Considerable expansion was made in the Fish Cultural Service in the provinces in which the fisheries are administered by the Dominion Government. Sites were selected for salmon and trout hatcheries in Antigonish and Yarmouth counties, N.S.; the pond facilities for fry and brood fish were largely extended at the St. John hatchery and a new salmon and trout hatchery was built on White Marsh Creek one mile from Florenceville, N.B.; a contract was awarded for a whitefish hatchery on Lesser Slave Lake, for a trout hatchery in the Waterton Lakes Park, Alberta, and a subsidiary hatchery was established in

the Jasper National Park, Alberta; the Nelson hatchery was moved to larger and better quarters in the basement of the Armory and a sub-hatchery was established at Summerland, B.C. Detailed description appears in the Report of the Fisheries Engineer.

At the close of 1927 there were in active operation, apart from the new establishments above mentioned, twenty-four main hatcheries, seven subsidiary hatcheries, four salmon retaining ponds, and several egg-collecting stations. The output from these establishments for the calendar year 1927 was two hundred and ninety-five million two hundred and eighty-three thousand seven hundred and eighty-two, as shown by species in the following statement:—

STATEMENT, BY SPECIES, OF THE FISH AND FISH EGGS DISTRIBUTED FROM THE HATCHERIES DURING THE YEAR ENDED DECEMBER 31, 1927

| Species                                              | Green eggs | Eyed eggs  | Fry         | Advanced fry | Fingerlings | Yearlings and older fish | Total distribution |
|------------------------------------------------------|------------|------------|-------------|--------------|-------------|--------------------------|--------------------|
| <i>Salmo salar</i> —Atlantic salmon.....             |            | 503,320    | 5,916,403   | 5,652,000    | 8,199,970   |                          | 20,271,693         |
| <i>Salmo salar sebago</i> —Landlocked salmon.....    |            | 3,400      |             | 50,000       | 93,680      | 200                      | 147,280            |
| <i>Salmo irideus</i> —Rainbow trout.....             |            | 205,700    | 160,000     | 32,000       | 83,259      | 209                      | 481,168            |
| <i>Salmo clarkii</i> —Cutthroat trout.....           |            | 151,840    | 1,153,310   |              |             |                          | 1,305,150          |
| <i>Salmo gairdneri</i> —Steelhead salmon.....        |            | 96,505     | 140,769     | 4,000        | 8,007       |                          | 249,281            |
| <i>Salmo gairdneri kamloops</i> —Kamloops trout..... |            | 1,684,000  | 920,520     |              |             |                          | 2,604,520          |
| <i>Salmo trutta lewini</i> —Lochleven trout.....     |            | 3,132      |             |              |             | 10                       | 3,142              |
| <i>Salmo fario</i> —Brown trout.....                 |            | 18,684     | 621,935     |              | 33,052      | 11                       | 673,682            |
| <i>Oncorhynchus nerka</i> —Sockeye salmon.....       |            | 29,197,000 | 65,729,113  | 608,000      | 4,658,665   | 188                      | 100,192,966        |
| <i>Oncorhynchus tshawytscha</i> —Spring salmon.....  |            | 755,000    | 563,448     |              | 217,254     |                          | 1,535,702          |
| <i>Salvelinus fontinalis</i> —Speckled trout.....    |            | 221,450    | 697,025     | 965,675      | 1,931,177   | 6,023                    | 3,821,350          |
| <i>Coregonus clupeaformis</i> —Whitefish.....        | 2,290,000  |            | 143,735,000 |              |             |                          | 146,025,000        |
| <i>Cristiomer namaycush</i> —Salmon trout.....       |            |            | 207,770     |              | 78          |                          | 207,848            |
| <i>Stizostedion vitreum</i> —Pickerel.....           |            |            | 17,765,000  |              |             |                          | 17,765,000         |
|                                                      | 2,290,000  | 32,840,031 | 237,610,293 | 7,311,675    | 15,225,142  | 6,641                    | 295,283,782        |

The following statement shows the numbers of fry of the different kinds, that were distributed in the several provinces in which fish cultural operations are conducted by the Dominion Government:—

HATCHERY OUTPUT, BY PROVINCES, OF EGGS, FRY AND OLDER FISH DURING 1927

|                        |  |             |             |
|------------------------|--|-------------|-------------|
| Nova Scotia—           |  |             |             |
| Atlantic salmon.....   |  | 7,293,700   |             |
| Speckled trout.....    |  | 1,347,404   |             |
|                        |  |             | 8,641,104   |
| New Brunswick—         |  |             |             |
| Atlantic salmon.....   |  | 11,790,198  |             |
| Brown trout.....       |  | 101,747     |             |
| Landlocked salmon..... |  | 147,280     |             |
| Lochleven trout.....   |  | 3,142       |             |
| Rainbow trout.....     |  | 30,202      |             |
| Salmon trout.....      |  | 78          |             |
| Speckled trout.....    |  | 1,556,509   |             |
|                        |  |             | 13,629,156  |
| Prince Edward Island—  |  |             |             |
| Atlantic salmon.....   |  | 699,900     |             |
| Rainbow trout.....     |  | 2,259       |             |
| Speckled trout.....    |  | 503,496     |             |
|                        |  |             | 1,205,655   |
| Manitoba—              |  |             |             |
| Pickerel.....          |  | 12,835,000  |             |
| Whitefish.....         |  | 122,325,000 |             |
|                        |  |             | 135,160,000 |

HATCHERY OUTPUT BY PROVINCES, ETC.—*Concluded*

|                       |             |  |             |
|-----------------------|-------------|--|-------------|
| Saskatchewan—         |             |  |             |
| Pickarel.....         | 4,930,000   |  |             |
| Salmon trout.....     | 207,770     |  |             |
| Whitefish.....        | 21,410,000  |  |             |
|                       |             |  | 26,547,770  |
| Alberta—              |             |  |             |
| Cutthroat trout.....  | 1,024,740   |  |             |
| Brown trout.....      | 571,935     |  |             |
| Rainbow trout.....    | 243,007     |  |             |
| Speckled trout.....   | 3           |  |             |
| Whitefish.....        | 2,290,000   |  |             |
|                       |             |  | 4,129,685   |
| British Columbia—     |             |  |             |
| Atlantic salmon.....  | 487,895     |  |             |
| Cutthroat trout.....  | 280,410     |  |             |
| Kamloops trout.....   | 2,604,520   |  |             |
| Rainbow trout.....    | 205,700     |  |             |
| Sockeye salmon.....   | 100,192,966 |  |             |
| Speckled trout.....   | 413,938     |  |             |
| Spring salmon.....    | 1,535,702   |  |             |
| Steelhead salmon..... | 249,281     |  |             |
|                       |             |  | 105,970,412 |
| Total.....            |             |  | 295,283,782 |

Full particulars regarding the extent and scope of this service appear in the Annual Report on Fish Culture for 1927.

## NORTH AMERICAN COMMITTEE ON FISHERY INVESTIGATIONS

Two meetings of the North American Committee on Fishery Investigations have been held during the past year, one at Toronto, Ont., on October 19, 1927, and one at Boston, Mass., on June 2, 1928.

The haddock fishery was given particular attention. Study of the total catch made on this side of the Atlantic reveals that there has been on the whole little change since as far back as the eighties of the last century, though a slow increase since nineteen hundred is evident. This increase has been in the New England fishery. Where formerly haddock were pickled and dried, now they are sold fresh and smoked, as finnan haddies and fillets. The New England fishery has benefited by this change, while in Canada the development of the fresh and smoked haddock trade has scarcely made up for the passing away of the trade in pickled and dried fish. There is no indication that the stock of haddock as a whole is in danger of exhaustion, but rather that increased catches could readily be made. However, the southern banks, where the New England fishery is intensively prosecuted, are, or soon will be, over-fished. The committee is urging prompt action in investigating this fishery thoroughly, so that measures for conservation may be devised and adopted before serious depletion occurs.

The co-operative study of the mackerel, which has been in progress for several years past, has revealed the fact that breeding is particularly successful in certain years. 1921 and 1923 were such years and have furnished the bulk of the mackerel recently in American waters. Three important spawning grounds have been found, in which the floating eggs and fry abound during the summer season, (1) the southern shallow part of the gulf of St. Lawrence, (2) the southern part of the gulf of Maine off the Massachusetts coast, and (3) the coastal waters off New York and New Jersey. The migrations of the mackerel, a most fertile field for argument, are being studied by fastening tags to the fish. An entirely satisfactory tag has not yet been devised, but celluloid bands on the tails have been used extensively. These have shown that the mackerel that strike the coast near cape Cod in the spring, remain on the New England coast rather than pass northeastward to Nova Scotia. Those that strike near cape Sable, N.S., in late spring spread both eastward and westward along the coast,

some remaining in the vicinity, some going north into the bay of Fundy, or westward to the New England coast, and others going eastward as far as Cape Breton. These migrations are accomplished by some of the fish at a rate of about twenty-five miles per day. Mackerel that come to the coast near Canso, at the eastern end of Nova Scotia, in part migrate around Cape Breton into the gulf of St. Lawrence to the coast of Prince Edward island, but none go westward. The evidence indicates that a series of schools strikes the various parts of the coast, and that these remain fairly distinct, but not completely so. Mixing of the schools is somewhat greater during the winter, as recaptures of the fish in subsequent years show greater spreading up and down the coast.

Mr. Sette, under the Sub-Committee on Statistics, prepared a report on the cod fisheries of the American side of the North Atlantic, in which five countries, Newfoundland, France, Canada, United States, and Portugal, have participated. This report brings together the available statistics on this fishery so as to show its size, trend, and the relative importance of the fisheries of each participating country. The report, entitled "Statistics of the Catch of Cod Off the East Coast of North America to 1926," has been published.

The study of the fisheries statistics of the various countries has revealed the need for having the weights of the fish uniformly taken on the basis of a particular condition of the fish, for example either "round" or "gutted". Steps are being taken toward this end.

#### INTERNATIONAL FISHERIES COMMISSION

This commission was appointed under the provisions of the Treaty for the Protection of the Pacific Halibut between Canada and the United States, and is charged with making a thorough investigation into the life history of the Pacific halibut, as well as recommendations to the two Governments as to the regulation of the fishery which may seem desirable for its preservation and development. One of the provisions of the Treaty provides for an annual close season of three months—November 16 in each year to February 15 following, both days inclusive—but upon the recommendation of the commission this close season may be modified or suspended at any time after three such seasons. As the treaty became effective on November 1, 1924, the third close season expired in February of this fiscal year, and as anticipated in my report of last year the commission, immediately following the termination of that close season proceeded to prepare its first report. The following extract from the report shows the extent and condition of the fishery, and the recommendations of the commission:—

Fisheries for halibut are prosecuted in the North Pacific and the North Atlantic oceans, and yield about ninety millions of pounds annually. The Pacific halibut fishery, which is covered by the terms of this convention, is the greatest in the world. The annual catch exceeds fifty millions of pounds, which represents about sixty per cent of the world's catch. Of the remainder about thirty millions are credited to European countries and six millions to the Atlantic coast of this continent. The value of the Pacific halibut catch to the fishermen is about seven million dollars annually, and it is consequently one of the most important fisheries in North American waters. The Pacific halibut is, therefore, one of the most important species of food fishes indigenous to the waters of the North American continent. The halibut fishery banks of the eastern Pacific are shown in plates Nos. 1-3. The division into areas shown thereon is for statistical purposes and should not be confused with those referred to in the commission's recommendations, which will be submitted later on.

The Pacific halibut fishery originated soon after the first railway communication was established between the two coasts of the United States. It is, therefore, comparatively young. It had its inception in 1888 near cape Flattery, at the entrance to Juan de Fuca strait. The fishery expanded rapidly and by 1910 it had extended to grounds off cape Ommaney, Baranof island, six hundred miles to the north. Subsequent expansion has extended the fishery until it now covers about 1,800 miles of coast. Formerly as many fish were taken from the 600 miles stretch as are now procured from the entire area of 1,800 miles. The banks on the eastern side of the gulf of Alaska, which yield spawning fish, were

first exploited in 1913. In 1926 the larger boats made by far the greater part of their catches in the vicinity of Kodiak island, on the western side of the gulf of Alaska, about 1200 miles beyond the original fishery. The catch on the older grounds south of cape Ommaney has decreased from a total in excess of fifty million pounds in 1910 to about twenty-one millions in 1926, and much greater effort was exerted in making the catch in the latter year. It is evident that the present level of production has been maintained by extending fishing operations to new areas, as the catch on the older grounds decreased, and by increasing the intensity of the fishing effort.

The amount of gear now used on the older banks is about two and one-half times the quantity formerly used, yet the present catch is only about forty per cent of the former yield from these grounds. Under the stress of this great intensification of fishing effort the abundance of fish on the older banks has fallen enormously, to sixteen per cent of the abundance in 1906. Where in 1906 the catch per set of a unit of fishing year was nearly 300 pounds, in 1926 it was below 50 pounds. Expressed in another way it required six units of gear to catch as many fish as one unit caught in 1906. The decline has gone on at an even rate and shows no tendency to slacken. Accompanying this fall in abundance there has been a decrease in the average size of the fish landed, and a great increase in the percentage of undersized fish. For example between 1919 and 1926 the percentage of undersized fish from the older banks increased from twenty to thirty per cent.

The more recently exploited banks to the westward show the same trend, the catch having fallen from 160 pounds per unit of gear in 1923 to 100 pounds in 1926, and was still lower in 1927, while at the same time there was an increase in the number of fish under eleven and three-quarter pounds.

The rapidity of the decline is regarded as especially serious because of the very slow rate of the growth of the halibut, an adult being from twelve to twenty-five years, or over, in age. Hence the present decline has taken place within the life span of one halibut of ordinarily large size. As nearly all the fish which are being caught now were spawned eight or ten years ago, the abundance of the younger fish, which will annually be available for capture in the next ten years, has already been established. If these are greatly reduced in numbers, and the intensity of the fishery is maintained, the outlook for a future stock of spawning fish sufficient to maintain the supply, presents a hopeless picture. In fact the commission's investigations indicate that relatively few mature halibut are now found on the older banks.

These illustrations demonstrate beyond a doubt that the fishery is in a very serious condition, and that the banks cannot stand the intensity of fishing to which they are subjected. The commission is fully convinced that the conditions are so serious that no delay should be permitted in the adoption of additional conservation measures. In the light of the investigations made, such action is essential to the maintenance of the fishery.

#### RECOMMENDATIONS

It is recommended that power be given proper governmental authorities:—

1. (a) To establish areas, within each of which, if deemed necessary for the preservation of the fishery there, the total catch of halibut may be reduced by a predetermined percentage annually, commencing not less than one year after the putting into force of this recommendation, until the fishery therein shall reach a state of stability of yield.

(b) To determine upon the amount of this percentage reduction, and to revise the same from time to time as may be found necessary, the intent being to restrain any increase in the amount of fishing within such area.

2. To close permanently to all fishing the two areas herewith defined, and known to be populated by small immature halibut, and to close such other grounds as may be found by the commission to be populated by a similar class of fish.

3. To prevent the use of any fishing gear deemed unduly destructive.

4. To extend the present closed season by two weeks at its beginning, making the closure for all fishing in all areas from November 1 to February 15, both dates inclusive, and to facilitate future alterations in the length of close season.

5. To license all vessels fishing for halibut in treaty waters, under such terms as are necessary for the purpose of the treaty, including statistical returns, and for clearance to regulated waters.

The reasons for the above recommendations are clearly set out by the commissioners. The report has been printed and those interested may obtain copies thereof on application to the department.

The recommendations of the commission are under the consideration of the two Governments.

## MARINE BIOLOGICAL BOARD

All four stations of the Board were in operation during the year. These are located at St. Andrews, N.B., Halifax, N.S., Nanaimo, B.C., and Prince Rupert, B.C.

At St. Andrews and Nanaimo fundamental researches such as life-history, growth and food of fishes, etc., and at Halifax and Prince Rupert investigations connected with the methods of handling and preserving the products of the commercial fisheries are carried on.

In the course of the year the staff of the board on the Atlantic coast conducted short scientific and practical courses of instruction for hatchery officers, cannery managers and fishermen, all of which were beneficial and much appreciated.

During the year an arrangement was come to by the Department, the board, and Dalhousie University of Halifax, N.S., whereby with the assistance of the department and the board the university has undertaken to establish a graduate course in fisheries. It is anticipated that the first stages of the course will be started in the coming university year.

The following were members of the board and its various committees during the year:—

Dr. J. Playfair McMurrich, Chairman, Toronto, Ont.  
 J. J. Cowie, Hon. Secretary-Treasurer, Ottawa, Ont.  
 Dr. Philip Cox, Fredericton, N.B.  
 Dr. C. J. Connolly, Antigonish, N.S.  
 Dr. E. E. Prince, Ottawa, Ont.  
 Very Rev. Canon Huard, Quebec, P.Q.  
 Dr. A. H. Hutchinson, Vancouver, B.C.  
 Dr. W. T. MacClement, Kingston, Ont.  
 Professor J. N. Gowanlock, Halifax, N.S.  
 Professor A. Willey, Montreal, P.Q.  
 John Dybhavn, Prince Rupert, B.C.  
 A. Handfield Whitman, Halifax, N.S.

## MEMBERS OF CENTRAL EXECUTIVE COMMITTEE

Dr. J. P. McMurrich. J. J. Cowie.  
 Dr. W. T. MacClement. Dr. E. E. Prince.  
 Professor A. Willey.

## MEMBERS OF ATLANTIC SUB-EXECUTIVE COMMITTEE

A. Handfield Whitman, Chairman.  
 Professor Gowanlock.  
 Dr. C. J. Connolly.  
 Dr. A. G. Huntsman, Secretary.

## MEMBERS OF PACIFIC SUB-EXECUTIVE COMMITTEE

John Dybhavn, Chairman.  
 Dr. A. H. Hutchinson.  
 Dr. W. A. Clemens, Secretary.

## RESEARCH COMMITTEE

Dr. A. G. Huntsman, Chairman.  
 Dr. W. A. Clemens.  
 Dr. A. H. Leim,  
 Mr. J. A. Rodd,  
 Dr. R. E. Foerster, Secretary.

A detailed report on the work of the board's staff will be found at appendix No. 2 of this publication.



## PROSECUTIONS

The names of those against whom action was taken as a result of the violation of the Fisheries Act are being published in this report separately and will be found in appendix No. 8.

## SCALLOP AND OYSTER INVESTIGATIONS

The following investigations were carried on by the department's naturalist during the season of 1927:—

Scallop investigations in Mahone Bay, N.S.

Exploratory work on the coast of three Maritime Provinces in search of scallop beds.

Examination of oyster beds in New Brunswick.

Details of these investigations will be found in appendix No. 3.

The loss of life of those engaged in the industry was very heavy, no less than four vessels and their entire crews being lost in one storm on the Atlantic coast. The total loss of life was one hundred and eleven, three of whom were drowned on the Pacific coast and the remainder on the Atlantic coast.

Your obedient servant,

A. JOHNSTON,

*Acting Deputy Minister of Fisheries.*

## APPENDIX NO. 1

## REPORTS OF INSPECTORS OF FISHERIES

REPORT OF CHIEF INSPECTOR WARD FISHER, PROVINCE OF  
NOVA SCOTIA, FOR 1927-28

The value of the fisheries for this province for the year 1927 was \$10,783,631. While this does not compare altogether favourably with the previous year, it must be remembered that 1926 was a banner year with a total value amounting to \$12,505,922. This latter value has not been exceeded since the years closely following the end of the war. In order to arrive at a better valuation other than 1926 we must go back to the year 1920, when prices were inflated and the total value amounted to \$12,742,659.

The value of the fisheries to the province of Nova Scotia for the past five years has been as follows:—

|                |              |
|----------------|--------------|
| 1923 . . . . . | \$ 8,448,385 |
| 1924 . . . . . | 8,777,251    |
| 1925 . . . . . | 10,213,779   |
| 1926 . . . . . | 12,505,922   |
| 1927 . . . . . | 10,783,631   |

Weather conditions throughout the greater part of the year were unfavourable for fishing. Rough, boisterous, and foggy weather prevailed.

The fresh fish industry was in an unsatisfactory condition at the opening of the year. The unusually mild weather of November and December, 1926, resulted in large catches which the dealers were unable to dispose of, and as a consequence there was, at first, little demand for the catches of the shore fishermen at a price that would give a living wage. It is gratifying, however, to report that the fresh fish trade is continually expanding, and that there is an increased demand particularly for finnan haddies and fillets.

The catch of the chief commercial varieties shows a decrease in most instances as compared with the year before, with the exception of the mackerel, halibut, and scallop fisheries.

## COD

The catch was 1,331,873 cwt., with a landed value of \$2,433,699 and a marketed value of \$3,455,722, as compared with a catch of 1,858,944 cwt., having a landed value of \$3,634,923 and a marketed value of \$4,652,858 for 1926. The decrease in the catch as compared with the preceding year was 527,071 cwt., the landed value \$1,201,224, and the marketed value a decrease of \$1,197,086.

The Lunenburg fleet was a vital factor in the decrease shown in the cod fishery. In this connection it must be recalled that four of the Lunenburg vessels were lost in the gale of August 24 along with their crews of more than eighty men. The shore fishermen were also handicapped by unfavourable weather.

## THE LOBSTER FISHERY

The total lobster catch for 1927 was 179,673 cwt., having a marketed value of \$3,255,627, as compared with 184,316 cwt. and \$3,386,416 for 1926.

The total pack for 1927 was 55,771 cases, as compared with 56,277 cases. The total value of the pack was \$1,727,105 for 1927, as compared with \$1,753,150 for 1926.

The total marketed value for 1927 was \$3,255,627, as compared with \$3,386,416 for 1926.

The following is the catch and pack by counties:—

|                  | Catch  |                | Pack   |         |
|------------------|--------|----------------|--------|---------|
|                  | Cwts.  | Marketed value | Cases  | Value   |
|                  |        | \$             |        | \$      |
| Inverness.....   | 14,590 | 192,704        | 5,926  | 177,678 |
| Richmond.....    | 8,575  | 110,530        | 2,806  | 85,352  |
| Cape Breton..... | 12,111 | 186,948        | 5,965  | 180,133 |
| Victoria.....    | 7,248  | 75,260         | 1,600  | 62,418  |
|                  | 42,524 | 565,442        | 16,297 | 505,581 |
| Halifax.....     | 13,207 | 235,960        | 3,014  | 92,790  |
| Guysboro.....    | 20,364 | 352,859        | 6,844  | 213,708 |
| Antigonish.....  | 10,425 | 182,843        | 5,845  | 177,834 |
| Pictou.....      | 14,002 | 273,427        | 7,629  | 229,991 |
| Colchester.....  | 176    | 2,718          | 83     | 2,407   |
| Cumberland.....  | 4,812  | 64,146         | 1,914  | 56,196  |
|                  | 62,986 | 1,111,951      | 25,329 | 772,926 |
| Lunenburg.....   | 3,724  | 64,267         | 590    | 18,300  |
| Queens.....      | 3,818  | 58,528         | 186    | 6,324   |
| Shelburne.....   | 21,708 | 474,694        | 5,277  | 162,102 |
| Yarmouth.....    | 34,542 | 730,247        | 7,003  | 227,254 |
| Digby.....       | 9,683  | 229,749        | 1,039  | 34,618  |
| Annapolis.....   | 609    | 19,554         |        |         |
| Kings.....       | 79     | 1,195          |        |         |
|                  | 74,163 | 1,520,234      | 14,145 | 448,598 |

The marketing of the pack was not profitable. Prices were low and demand poor. Japanese crab meat was offered, especially in the European market at a very attractive price which greatly interfered with the success of the lobster packers.

#### HADDOCK

The landings of haddock amounted to 384,207 cwts., as compared with the previous year when 458,292 cwts., were taken. The landed value for the year was \$660,669 and the marketed value \$1,402,135, as compared with a landed value of \$838,716 and a marketed value of \$1,671,971 for 1926. The decrease in the landed value was \$178,047 and the marketed value \$269,836.

#### THE MACKEREL FISHERY

The mackerel fishery shows an increase in the catch, landed value and marketed value. During the year 72,306 cwts. were landed, as against 67,580 cwts. in 1926. The landed value was \$236,796 and the marketed value \$338,851, as compared with a landed value of \$173,049 and a marketed value of \$285,961 for the previous year. The increase in the marketed value registers \$52,890.

#### HERRING

The landings of herring were less than in 1926 when the catch was 264,823 cwts., as compared with a catch of 214,560 cwts. this year. Naturally the values also fell off. The marketed value this year was \$482,458, as compared with \$547,548 last year, a decrease of \$65,090.

## HALIBUT

The halibut fishery shows an increase in landings and values. This year the catch was 27,551 cwts., as against 23,725 cwts. in 1926. The increase in the landed value was \$46,771 and the marketed value \$86,959. Most of the months record this fishery as showing gains over the previous year.

## SALMON

The salmon catch was 12,819 cwts., having a marketed value of \$233,189, as compared with 13,428 cwts. and \$253,272 in 1926.

## SCALLOPS

The scallop fishery especially in the Bay of Fundy district continues to expand and show a healthy growth. The outlook for this fishery is bright indeed. Many more new boats were engaged in this fishery this year than in any previous year, and it is confidently expected that the output will steadily increase from year to year. This industry is only in its infancy in so far as Yarmouth, Digby and Annapolis counties are concerned, and the progress that has already been made is really remarkable. This year 37,607 barrels were landed, as compared with 19,918 barrels last year. The marketed value was \$212,838, as against \$138,472 for 1926, an increase of \$74,366.

## SMELT

The decrease in the smelt catch is largely attributed to the mild weather which prevailed during the early part of the smelt fishing season, 7,110 cwts. were taken while the catch last year was 10,981 cwts. The marketed value of the fishery naturally suffered, amounting to \$124,653 this year, as compared with a value of \$165,630 last year.

The following reports by districts will be of interest, showing the local conditions with respect to catches and values:—

## DISTRICT No. 1, CAPE BRETON.—INSPECTOR McLEOD

The outstanding features of the year, compared with 1926, are decreases in the quantities and values of cod, haddock, swordfish, lobsters, smelts, pollock and alewives, and increases in the quantities and values of mackerel, halibut, salmon, hake and cusk.

*Lobsters.*—The catch of lobsters was 42,524 cwts., marketed value \$565,442, as compared with 42,874 cwts., marketed value \$660,006 for 1926.

The decrease in the catch is due to unfavourable weather conditions and drift ice which prevented operations at the opening of the season. These fish were very plentiful in the waters surrounding Isle Madame, where an increase of 2,017 cwts. is noted as compared with 1926. On account of the low prices offered for cod, haddock and mackerel, the fishermen of this district prosecuted the lobster fishing with the utmost vigour.

The largest catches were landed at Mainadieu, Petit de Grat and Port Hood Island.

*Cod.*—The catch was 139,096 cwts., having a marketed value of \$290,882, as compared with 136,505 cwts. and \$394,870 for 1926.

A large increase in the catch is noted at the ports of North Sydney, Ingonish and Neil's harbour, where this branch of the industry was prosecuted intensely during the fall months when good prices prevailed.

*Haddock.*—The total catch was 68,344 cwts., having a marketed value of \$132,485, as compared with 76,428 cwts., and \$250,569 for 1926.

Decreases of 8,084 cwts. in the catch, and \$118,084 in marketed value are noted. The large falling off in the catch is due to the following reasons: (a) Rather than fish for the low prices offered the fishermen turned their attention to other kinds of work which they found more remunerative. (b) Only one trawler operating, as compared with four during 1926. (c) These fish were not as plentiful as in the previous year, and it is supposed that they passed by before the trap-nets were set in the spring.

The largest catches were landed at Ingonish, Hawkesbury and Petit de Grat.

*Mackerel*.—The catch was 29,832 cwts., having a marketed value of \$122,-425, as compared with 20,473 cwts., valued at \$84,623 for the preceding year, showing an increase of 9,359 cwts. in catch and \$37,802 in marketed value.

The largest landings were at L'Ardoise, Cheticamp and Louisburg.

These fish were very plentiful during the spring at Ingonish, Neil's harbour and Isle Madame; but on account of the low prices offered, the fishermen only operated in a half-hearted manner. Fine catches were landed at Margaree and Cape Rouge during the fall. For some unaccountable reason the fall run of mackerel do not appear in the waters surrounding Port Hood island, where they used to strike in very plentifully eight or ten years ago.

*Halibut*.—The catch was 4,772 cwts., having a marketed value of \$92,194, as compared with 3,775 cwts., and \$54,102 for the previous year, showing an increase of 997 cwts. in the catch and \$38,092 in marketed value.

The increase in the catch is due to more bankers landing at North Sydney, as well as an increase in the catch for Ingonish, owing to more fishermen having engaged in this branch of the industry.

The largest landings were at North Sydney, Port Morien and Ingonish.

*Salmon (Commercial)*.—The total landed catch was 4,897 cwt., having a marketed value of \$78,436, as compared with 4,648 cwt., valued at \$76,720, for the preceding year, showing an increase of 249 cwt., in the catch and \$1,716 in marketed value.

These fish were unusually plentiful in the Mira river, and increases in the catch are noted in Grand river also. Salmon were fairly plentiful at Port Hood, Margaree, Cheticamp and Bay St. Lawrence.

*Salmon (Sport)*.—The number of anglers visiting the Margaree river is increasing from year to year. It is most gratifying to report an increase of 379 salmon landed with the fly in the Margaree river, as compared with the previous year. Also, that these fish were of a larger size; one fish landed at Big Intervale, North East Margaree, weighed 52½ pounds. Fly fishing in the Margaree river was most satisfactory, except during a period from the middle of July to the middle of August when the water was very low, warm and clear. After the gale that occurred on the 24th of August, salmon ascended the Margaree river in enormous numbers, and most satisfactory catches were landed.

In the history of the Margaree the catch with the fly was eclipsed only in the banner season of 1922, when 868 fish were landed.

*Swordfish*.—The total catch was 5,376 cwt., valued at \$86,534, as compared with 6,594 cwt., valued at \$114,112 for the preceding year, showing a decrease of 1,218 cwt. in catch, and \$27,578 in marketed value.

The decrease is due to scarcity and unfavourable weather conditions, as these fish will only remain on the surface during bright and calm weather. Increases are noted at the ports of North Sydney and Ingonish, where more fishermen were engaged in this branch of the industry. Largest landings were at Louisburg, Glace Bay, and North Sydney.

*Herring.*—The catch was 26,604 cwt., having a marketed value of \$43,191 as against 35,641 cwt., having a value of \$83,005 showing a decrease of 9,037 cwt. in the catch, and a decrease of \$39,814 in marketed value.

The increase in the catch is due to the spring herring being exceptionally plentiful at Isle Madame, North Sydney and St. Ann's, and the decrease in the values is caused by a great falling off in the catch of the July run, as compared with the previous year.

*Smelts.*—The catch of smelts was 1,727 cwt., having a marketed value of \$26,427 as compared with 2,687 cwt. having a value of \$34,958 for the preceding year, showing a decrease of 960 cwt., in the catch, and \$8,531 in marketed value.

The great falling off in the catch is due to scarcity, and mild weather prevailing at the opening of the season.

*Oysters.*—The catch was 1,224 barrels, valued at \$10,347, as compared with 1,280 barrels, valued at \$9,502, for the preceding year, showing a decrease in the catch of 56 barrels and an increase of \$845 in the marketed value.

The largest catches were landed at Orangedale, River Dennys, and Little Narrows.

*Trout.*—Compared with the preceding year trout were far more plentiful, and as usual, excellent catches were taken at Lake Ainslie, River Dennys, Barachois and Indian Brook, St. Ann's. A trout landed with the fly at the outlet of Barachois river, St. Ann's, weighed 6 pounds 4 ounces. Many trout weighing over 5 pounds were landed in several of the streams of this island.

#### DISTRICT NO. 2.—COMPRISING THE COUNTIES OF HALIFAX, GUYSBORO, PICTOU, COLCHESTER, CUMBERLAND AND HANTS—INSPECTOR SUTHERLAND

The catch as well as the landed and marketed values show marked decreases compared with 1926, but the values compare favourably with those of 1925, although the catch is the lowest since 1923. This is due to smaller landings of all the principal varieties, excepting lobsters, hake, soles, mackerel and albacore. Cod and haddock show heavy decreases of 145,805 cwt. and 56,724 cwt., respectively, due chiefly to smaller landings at Canso and Halifax by steam trawlers. Only one trawler operated the full year at Canso, and fish were not found to be plentiful offshore. Another important reason for the smaller catch during the summer and autumn months was the unusually rough weather which greatly hampered the inshore operations. The only important increases are those of lobsters 2,529 cwt., soles 2,902 cwt., and albacore 686 cwt.

*Cod.*—The total catch was 212,876 cwt., with a marketed value of \$896,947 as compared with 360,681 cwt., with a marketed value of \$1,269,989 for 1926, showing a decrease of 147,805 cwt. in the catch, and \$373,042 in the marketed value.

Decreased catches were general throughout but are more pronounced at Halifax and Canso. A succession of gales during the summer and early autumn greatly hampered inshore operations and the fishermen were disheartened by unusually low prices. These opened at 1 cent per pound with only large fish wanted. However, as the season advanced, prices improved until 2½ cents to 3 cents were offered at the last of the season.

Of the total catch, 100,865 cwt. were taken offshore as compared with 227,698 cwt., taken offshore in 1926.

*Haddock.*—The catch was 191,934 cwt., having a marketed value of \$884,238, as compared with 249,719 cwt., having a market value of \$1,007,035 for 1926, showing a decrease of 57,785 cwt., with a corresponding decrease in the marketed value of \$122,797.

Guysboro county east is mostly responsible for the decrease, where only 53,619 cwt. were taken as compared with 1926—94,515 cwt. This is on account of only one trawler being operated in the summer and early autumn months. No haddock are taken by shore boats until November.

Of the total catch, 173,363 cwt. were taken offshore, as compared with 214,421 cwt. in the previous year. Prices to fishermen were about the same as for cod.

*Pollock.*—The catch was 8,180 cwt., having a marketed value of \$12,694, as compared with 19,401 cwt., having a marketed value of \$36,997, showing a decrease of 11,221 cwt. in the catch and \$24,303 in the marketed value.

The decline was most serious in Halifax county west and Guysboro county east, which is general for all line fish excepting hake during 1927.

Of the total catch, 5,399 cwt. were taken offshore, whilst 14,850 cwt. were taken offshore in 1926.

Prices to the fishermen were about 1 cent per pound, although for a period in the summer only 50 cents per cwt. was offered.

*Hake.*—The catch was 5,391 cwt., having a marketed value of \$12,955, as compared with 3,623 cwt., having a marketed value of \$8,535 for 1926, an increase of 1,768 cwt. and \$4,420 in marketed value.

The increase is due to increased catches in Antigonish county, Halifax west, and Guysboro east.

Offshore catch was 342 cwt. Prices landed, 75 cents per cwt. Market prices: dried \$4, green salted \$3, and smoked fillets 10 cents.

*Halibut.*—The catch was 7,240 cwt., having a marketed value of \$146,871, compared with 8,039 cwt., having a marketed value of \$164,462, a decrease in catch of 799 cwt. and value of \$17,591.

Smaller catches in Halifax west and Guysboro east account for the decrease. The offshore catch was 5,754 cwt., compared with 6,391 cwt. for 1926.

*Herring.*—The catch was 54,609 cwt., having a marketed value of \$146,784, compared with 68,984 cwt., having a marketed value of \$136,298, a decrease of 14,375 cwt. in the catch and an increase of \$10,486 in marketed value.

The catch of spring herring in Cumberland county north was a failure. Antigonish and Guysboro counties also show heavy declines, while in Halifax county west the catch increased 9,000 cwt.

*Mackerel.*—The catch was 34,003 cwt., having a marketed value of \$160,908, compared with 34,334 cwt., having a marketed value of \$149,231.

While the catch shows a decrease of 331 cwt., the marketed value shows an increase of \$11,677. This is due to better prices offered to the fishermen during the late run of mackerel in October and November.

Increased catches were taken in Guysboro County, while Halifax county is responsible for the decrease. During November fairly good catches were taken in Chedabucto bay and Halifax county west. Prices then were good and the fishermen did well. The fall run was unusually late; in fact, in Queensport Harbour all the nets were ashore and one fisherman who had been unable to take his nets ashore on account of sickness found a good catch when he was able to tend his gear, and the other fishermen soon had their nets out again.

Prices landed: May, 4 cents; June, 3 cents; July, 3 cents; August, 3 cents; September, 4 cents; October, 5 cents; and November, 6 cents per pound.

*Salmon.*—The catch was 5,886 cwt., having a marketed value of \$113,971, compared with 7,610 cwt., having a marketed value of \$149,695, a decrease in the catch of 1,724 cwt. and marketed value \$35,724.

Halifax county west alone shows a decrease of 1,968 cwt., Guysboro county shows a considerable increase, while in Antigonish the increase was 1,000 cwt., and in Pictou county 200 cwt. This fishery is in a flourishing condition in these two counties, the marketed value for 1927 being about \$65,000.

*Flounders, Skate, and Soles.*—Flounders and skate decreased 4,511 cwt. and 7,722 cwt., while soles increased 7,264 cwt. These fish are almost entirely produced offshore by steam trawlers.

*Catfish and Monkfish.*—1,972 cwt. less catfish were taken, and no monkfish for 1927, while 180 cwt. were landed last year. The entire catch of these varieties is produced offshore.

*Albacore.*—The catch was 1,575 cwt., with a marketed value of \$15,750, compared with 889 cwt., having a marketed value of \$8,890 for 1926.

These fish were fairly plentiful during July in St. Margaret's bay, where the entire catch was taken.

*Swordfish.*—The catch was 1,715 cwt., with a marketed value of \$30,795, as compared with 6,176 cwt., with a marketed value of \$90,694 for 1926, showing a decrease in catch of 4,461 cwt. and marketed value \$59,899.

Guysboro county is responsible for the decrease, particularly the eastern part, where the decline was 2,176 cwt. Prices for ground fish were low during the swordfish run, and fishermen generally lost a lot of time and went to great expense in endeavouring to capture swordfish. It is usually the case that fishermen give up regular fishing when swordfish are on, and unless the fish are plentiful their efforts usually result in a loss.

DISTRICT NO. 3.—COMPRISING THE COUNTIES OF LUNENBURG, QUEENS, SHELburne, YARMOUTH, DIGBY, ANNAPOLIS, AND KINGS—INSPECTOR MARSHALL

*Cod.*—The greatest fall-off was in connection with the catch and value of the Lunenburg cod fishing fleet. This of course would have a tendency to decrease the quantity and the total value of the catch.

*Haddock.*—The catch and value of haddock remains about the same as the last few years, showing a slight decrease from last year.

*Hake and Cusk.*—This fishery shows an increase over last year and a considerable increase over previous years.

*Halibut.*—The halibut fishery shows a large increase both in catch and value.

*Herring.*—The catch of herring was 133,347 cwt., with a value of \$276,047, as compared with a catch of 160,198 cwt. valued at \$328,245 for 1926. The year 1926 was one of the best years the herring fishermen have had for some time.

*Mackerel.*—The mackerel fishery in so far as this district is concerned remains in a more or less depleted condition.

*Salmon.*—The salmon fishery is gradually on the increase; 2,036 cwt. were taken with a value of \$40,782, which compares very favourably with the catch and value for the last five years.

*Scallops.*—During the year 1927, 37,579 barrels of scallops were taken in this district with a value of \$212,698. This fishery is showing a steady and continued increase from year to year, especially in the Bay of Fundy district.

THE LUNENBURG FLEET

The total value of the season's catch was approximately \$1,500,000 and the total catch was 227,590 quintals, or 115,140 quintals short of the previous year's catch. The schooner *Gladys Mosher*, Captain John Mosher, was the high liner of the fleet with 4,540 quintals.



The estimated monetary value of the shortage of the catch of the Lunenburg fleet this year in comparison with last year is \$300,000 and the shortage of last year from the year before was around \$100,000. Therefore the loss to the industry in the past two years is about \$400,000.

These figures do not include the loss of vessels, etc., which for the past two years has been appalling. Four staunch vessels of the Lunenburg fleet were lost in the big gale of August 24. Their entire crews, numbering over eighty men, also perished. The vessels lost were the *Uda R. Corkum*, Captain Wilfred Andrews; *Malaha*, Captain Warren Knickle; *Joyce M. Smith*, Captain Edward Maxner; *Clayton W. Walters*, Captain Mars Selig.

The cost of vessels and equipment together with running expenses was high, and therefore money was not readily obtainable, and the industry was not expanded as it should have otherwise been.

The number of vessels engaged in fishing in 1927, including those lost, was eighty-three, nine less than in the previous year. Two new vessels were completed to be added next year to the fleet, but then it must be remembered there were four vessels lost during 1927, so that the fleet in 1928 will no doubt be smaller than in 1927. Each year shows an increased number of Newfoundland men manning the Lunenburg fleet. One of the vessels lost this year, the *Joyce M. Smith*, had with the exception of the captain and two men an entire crew of Newfoundland men.

Fifty-eight vessels on the frozen bait trip landed 30,700 quintals; seventy vessels on the spring trip landed 60,390 quintals; and seventy-nine vessels on the summer trip landed 136,500 quintals.

The prices received this year were slightly in advance of those received last year. In 1926 the fishermen received from \$5.50 to \$6 for their first two trips, and \$5.50 for their summer trip. This year the frozen bait trip brought around \$6.35 per quintal, the spring trip was sold at \$5.80 to \$6.40, and the summer catch around \$7.

#### BAIT AND ICE REPORTING SERVICE

For the benefit of the fishermen of Nova Scotia and others immediately interested in the fishing industry it was decided to resume reporting, during the spring, ice conditions and bait supplies at the Magdalen islands. The fishery officer at Grindstone, Magdalen islands, was instructed to forward a telegram once per week until bait appeared, after which to send one every day, except Sunday, until the end of the spring herring season. The information received was of particular value to those interested, especially at such fishing centres as Lunenburg, Riverport, and Canso.

The first report was received on April 22, and dealt with ice conditions, as no herring had as yet appeared. Herring were reported on May 13, and from that time on reports were received regularly until the end of the spring run, around the second week in June. This service was much appreciated by the fleet engaged on the banks.

The contents of the reports as received were posted prominently in the chief fishing centres and given publicity in the Halifax papers.

#### THE STEAM TRAWLER

Owing to the increased demand and expanding market for fresh fish, the steam trawler fleet was augmented by two vessels, viz., the *Bonthorpe* and the *Sleaford*. Both the *Bonthorpe* and the *Sleaford* came to the Maritime Fish Corporation, Ltd., and operated from Canso. The *Bonthorpe* was constructed at Collingwood, Canada, in 1927, and the *Sleaford* at Selby, England, during the same year. Each vessel operated from Nova Scotia for a period of approximately three months.

Each year shows an increase in the number of steam trawlers employed from Nova Scotia ports. During 1926 eleven were in operation, while 1927 saw fourteen engaged. They were as follows:—

| Name of Vessel                 | Port Operated From |
|--------------------------------|--------------------|
| <i>Offa</i> .....              | Canso, N.S.        |
| <i>Rayon D'Or</i> .....        | Canso, N.S.        |
| <i>Lemberg</i> .....           | Halifax, N.S.      |
| <i>Venosta</i> .....           | Halifax, N.S.      |
| <i>Good Hope</i> .....         | Halifax, N.S.      |
| <i>Loubyrne</i> .....          | Halifax, N.S.      |
| <i>Lord Beaconsfield</i> ..... | Canso, N.S.        |
| <i>Lord Darling</i> .....      | Canso, N.S.        |
| <i>Lord Shaftesbury</i> .....  | Canso, N.S.        |
| <i>Viernoe</i> .....           | Halifax, N.S.      |
| <i>Willoughby</i> .....        | Halifax, N.S.      |
| <i>Bonthorpe</i> .....         | Canso, N.S.        |
| <i>Sleaford</i> .....          | Canso, N.S.        |
| <i>Cape Agulahu</i> .....      | Halifax, N.S.      |

#### HAIR SEAL MENACE

The hair seals in this province have been in the past, and still are, very destructive to the commercial fisheries, especially the salmon and smelt fisheries. This matter has been of considerable concern to the department, and various means and ways of destroying the seals have been attempted without a great deal of success until the present year.

Some years ago a bounty of \$1 per seal was offered, but it was claimed that this amount was inadequate. The decision of the department this year to pay a bounty of \$3.50 for each hair seal destroyed has resulted in the destruction of a considerable number of the species, which has naturally had a beneficial effect on the commercial fisheries of the province.

The new bounty went into operation in April, and up to the last of the present calendar year 2,754 seals have been turned in and their snouts delivered to officers of the department throughout the province.

It is estimated that at the close of the fiscal year March 31, 1928, some 3,300 seals will have been destroyed and turned in.

The continuation of this bounty next year should result in the destruction of a considerably increased number of seals.

#### SCHOOL OF INSTRUCTION FOR INSPECTORS AND FISHERY OFFICERS

A school of instruction for inspectors and fishery officers was conducted by the Biological Board of Canada at the Atlantic Experimental Station, Halifax, N.S., from February 14 to 26 inclusive. Three district inspectors of this province were in attendance as well as sixteen fishery overseers from Nova Scotia, together with a number of inspectors and overseers from the provinces of New Brunswick and Prince Edward Island. The various subjects taken up during the course aroused considerable interest and resulted in a very beneficial effect upon all those in attendance. Many subjects were dealt with and the time engaged was well spent. All the officers attending were alert, active and very much interested in the various phases of the industry covered by the lectures and classes of instruction.

#### FISH COLLECTION SERVICE

On that portion of the Guysboro county coast between Canso and Port Bickerton an experiment was tried out in the collection of fish by Government subsidized boats, which carried the fish to Canso for delivery to the dealers at a nominal rate of freight.

Two boats were first engaged but owing to rough weather and the difficulty of securing ice supplies, a third boat was later engaged to assist. These boats plied between Canso and Port Bickerton, calling at all points where fish were offered, carrying ice and bait from Canso to the fishermen and bringing their catches back to Canso. The service was highly satisfactory in spite of unusually rough and foggy weather, and the fishermen for the first time were able to dispose of their catches fresh for better cash prices. They were assured of a regular supply of bait and relieved of the work of splitting their catches which enabled them to remain longer on the fishing grounds. Later fishing was also encouraged which requires larger boats, these, the fishermen will probably arrange for if the service is continued.

A total of 2,832,325 pounds of fish were carried by the collection boats at a cost to the public which, apparently, quite justifies the continuation of the service.

#### RIVER AND INLAND FISHERIES

Sport fishing is a distinct asset to the province and is becoming more so as the influx of tourists steadily increases from year to year. Good catches of salmon and trout were taken by anglers throughout the whole province. The rainfall during the summer was exceptionally heavy and provided many periods of high water conditions which enabled salmon to ascend the numerous rivers and streams.

Many salmon were taken on the fly on the various rivers and streams in Halifax and Guysboro counties. The St. Mary's river, Guysboro county, is an exceptionally good river and salmon sport fishermen are visiting it more and more every year. This year they were quite successful in their operations. Most of the rivers in the above counties flow through country which is unsuitable for agriculture, and while some deforestation has taken place, the low temperature and volume of the streams have been maintained so that they make ideal salmon waters.

Anglers for salmon were exceptionally successful in such rivers as the St. Mary's river, Guysboro county, the Margaree river in Inverness county, the Medway river and the Mersey river in Queens county, the Annapolis river, Annapolis county, and various other rivers and streams throughout the province. The record salmon taken by an angler was caught on the Margaree river and weighed 52½ pounds.

Trout fishing was particularly good. In Cape Breton island as well as the mainland excellent catches were taken. A trout landed with the fly at the outlet of Barachois river, St. Ann's weighed six pounds four ounces. Nova Scotia should be and is, becoming a popular and prosperous sport fishing district.

While the average visitor is contented with fishing for trout a great many visitors came to angle for salmon.

A great deal of time and energy was expended in an effort to keep our rivers and streams free of obstructions, etc., in order that such fish as salmon and trout may readily ascend to their spawning grounds, as it is recognized by all interested that it is of vital concern to the province that these fisheries be kept up if we are to hold the reputation which Nova Scotia possesses at present as a sporting country. Fishways were constructed in dams and various obstructions removed from the rivers and streams. Both salmon and trout fry were planted in the various waters.

## UTILIZATION OF FISH WASTE MANUFACTURE OF BY-PRODUCTS

During the year four licensed reduction plants were operated in Eastern Nova Scotia as shown below:—

Fasterfat, Ltd., Halifax.

C. W. Kendall Reduction Works and Fish Meal Plant, Halifax.

Lucky Fish Meal Co., Halifax.

Robinson Glue Co., Canso.

Fasterfat, Ltd. installed a modern machine for the manufacture of fish meal and has been working steadily throughout the year.

C. W. Kendall plant has been working part time on a smaller scale than Fasterfat.

The Lucky Fish Meal Co. was formed in February, absorbing the Kendall plant but only operated a short time when it became disorganized and Mr. Kendall resumed his own operations.

The Robinson Glue Co. operated as usual throughout the year.

The following plants were also operated in Western Nova Scotia:—

H. R. L. Bill, Lockeport, N.S.

A. W. Dodd Co., Tiverton.

A. W. Dodd Co., Westport.

Liverpool Refiners, Liverpool (east side).

Roy Casey, Victoria Beach.

Parkhurst Cod Liver Oil Corp., Tiverton.

M. A. Nickerson, Clark's Harbour.

George W. Wightmen, Lockeport.

Lewis Canning Co., Annapolis.

All of the above were engaged in the production of oil with the exception of the Lewis Canning Co. This plant was operated from a by-product standpoint for the purpose of grinding scallop and clam shells into chicken food.

## ROYAL COMMISSION ON FISHERIES

A Royal Commission to investigate the fisheries of the Maritime Provinces and the Magdalen Islands was appointed by Order in Council in September. This commission held meetings in Nova Scotia during the months of October, November and December. Sittings were held at Cheticamp, Port Hood, Canso, Isaac's Harbour, Arichat, St. Peters, Ingonish, North Sydney, Louisburg, Glace Bay, Mulgrave, Antigonish, Pictou, Pugwash, Halifax, Lunenburg, Liverpool, Lockeport, Shelburne, Barrington Passage, Clark's Harbour, Yarmouth and Digby.

The sittings were largely attended by the fishermen and others interested in the fishery industry.

## FISHERIES PATROL SERVICE

Patrol boat *Mildred McColl*, Captain Williams.—The Fisheries Patrol Boat *Mildred McColl* was absent from the district during the great part of the fishing season on scallop investigation in Prince Edward Island and New Brunswick. Her absence resulted in an outbreak of illegal lobster fishing, particularly in Halifax county east. This section of the coast includes numerous islands and coves which provide good cover for illegal operations. These can only be properly protected by the constant attention of the patrol boat.

Contract boat *Lulu T* was chartered to protect the lobster fishing boundary at Port Philip, Cumberland county, from August to October. The protection was only fairly satisfactory, but it will never be adequate until a regular boat is provided.

*F.P. I*, Captain Baker.—This boat kept up a continuous patrol throughout the season between Pubnico and the head of the Bay of Fundy and gave entire satisfaction in so far as it was possible for one boat to do so. This district is largely frequented by tourists during the summer months who in many cases encourage people to illegally fish for lobsters. The inspector for the district states he does not believe the parties carrying on such illegal fishing are our real fishermen but that they are farmers and men who are not dependent on that fishery for an existence. In practically every case where men were convicted for illegal fishing they were not lobster fishermen but parties engaged in other lines of endeavour. Another boat should be put on in the Yarmouth district to assist in patrol work covered by *F.P. I*, as this district is altogether too large for one boat, if the fisheries are to receive adequate protection.

#### FISHERIES CRUISER SERVICE

The past year was a strenuous one for both C.G.S. *Arras* and C.G.S. *Arleux*. Both vessels were actively engaged throughout the year and both Captain Barkhouse of the *Arras* and Captain Cousins of the *Arleux* deserve commendation for the zeal and vigilance which characterized their work.

The *Arras* was engaged during the summer months as a hospital ship with the fleet on the Grand Banks and during the remainder of the year was occupied in patrolling the coast and ice breaking. The *Arleux* performed extremely valuable work throughout the year on fisheries patrol service and in assisting vessels in distress, breaking ice, etc.

With regard to the work of the *Arras* as a hospital ship the medical officer employed on the vessel reports as follows:—

The total number of new cases treated was 223, an increase of 37 over the preceding year.

The total number of calls upon the ship's medical officer for treatment, supplies and dressings were 312.

A larger quantity of stock drugs was dispensed but not so much of the special medicines.

The instruments were all oiled and placed in the sterilizer which with the remaining drugs and supplies were left in the care of the commander of the ship.

I believe more and more the fishing fleet are regarding the government ships as an intimate and integral part of their equipment. They trust us more with regard to their catches, each year increasing calls are being made upon our services and I can only emphasize again the advisability of sending a more suitable ship to the Grand Bank's service, a ship equipped with some form of hospital and surgical accommodation, a motor boat for getting quickly around the fleet in harbours, and facilities for exchanging courtesies between the government ships of foreign countries which we encounter in our work.

A digest of the logs of these two vessels will reveal the nature of the work performed and show an outstanding record of efficiency.

#### *Cruiser "Arras"—Captain Barkhouse*

The *Arras* commissioned at Yarmouth on April 1, 1927, was at that date undergoing her annual refit, the work being completed on April 20.

April 20. Proceeded to sea cruising east, called at Shelburne and arrived at Liverpool the 21st.

April 25. Left Liverpool cruising east and arriving at Halifax.

April 26. Taking stores and painting ship.

April 27. Proceeded to adjust ship's compasses.

April 29. Left Halifax cruising west, called at Lunenburg, and arrived at Liverpool the 30th.

May 2 and 3. Searching for drifting buoy off Little Hope and Roseway bank.

May 4. Cruising west, arriving at Shelburne same day.

May 5. Left Shelburne cruising east, calling at Lockeport and Lunenburg, arriving at Liverpool, May 6.

May 7. Assisted the 4-mast schooner *Joan Kielberg* out over Liverpool Bar to sea.

May 9. Assisted the 4-mast schooner *Cashier* to wharf at Brooklyn, then searched and found drifting bell buoy 18 miles off Liverpool. Towed buoy in and delivered to the C.G.S. *Lady Laurier*.

May 10. Cruising east arriving at Lunenburg same day.

May 11. Cruising west arriving at Liverpool.

May 12. Assisted the 4-mast schooner *Cashier* from wharf at Brooklyn to McClearns wharf, Liverpool.

May 13 to 16. At Liverpool. Dense fog on coast.

May 17. Assisted the 3-mast schooner *Cape LaHave* out over Liverpool Bar to sea.

May 18. Cruising west calling at Lockeport and arriving at Shelburne the 19th.

May 20. Cruising east. Assisted the salt laden 3-mast schooner *General Pau* to sea from Sandy point. Arrived at Liverpool same day.

May 21. Assisted the 4-mast schooner *Cashier* out over Liverpool Bar to sea.

May 23. Proceeded on patrol duty. First American mackerel seiner arrived on coast, followed her to Liverpool.

May 24 and 25. At Liverpool. Dense fog on coast.

May 25. First mackerel taken in nets on coast. These were taken at Yarmouth and Dover, N.S.

May 26. Calibrating the Direction Finding Station at Yarmouth, N.S.

May 28. Cruising east watching American mackerel seiners, arriving at Lunenburg the 30th with two mackerel seiners.

June 1 and 2. With American seiners. Arrived at Liverpool, June 2.

June 3. Cruising east, arriving at Halifax, June 4.

June 5 and 6. At Halifax taking in stores and new chain cable.

June 7. Cruising west calling at Lunenburg and Liverpool, arriving at Yarmouth, June 10.

June 11. Cruising east calling at Shelburne, arriving at Liverpool the 12th.

June 13. Hauled ship out on Marine Railway at Liverpool for overhaul underwater fittings and painting bottom.

June 16. Launched ship off Marine Railway and to wharf at Liverpool.

June 17. Cruising east, called at Lunenburg and arrived at Halifax on June 18.

June 19 to 22. At Halifax taking stores and getting ready to proceed to Newfoundland waters with the Canadian fishing fleet.

June 23. Cruising east towards banks.

June 24. At North Sydney. Coaled ship and proceeded at midnight towards St. Pierre and Green banks.

June 26. Arrived at Cape Broyle, Newfoundland, with part of the fishing fleet, to get in touch with the fleet on banks.

June 27 to August 30. The ship was in close touch with the fishing fleet on banks and in harbours when seeking bait, giving medical treatment to all sick fishermen and taking very serious cases to hospital at St. John's for treatment. During the season we gave treatment to 223 men on the vessels.

August 30. All fishing vessels were leaving for the western banks and towards home. We followed the fleet and arrived at North Sydney, 5.20 p.m. the 31st.

September 1. Proceeding towards Sable Island banks to search for four missing Lunenburg fishing vessels. Called at Canso and interviewed all fishing vessels sighted on banks and coast.

September 10. Arrived at Liverpool and Lunenburg to interview fishing captains that had returned from Sable Island banks.

September 12. Cruised towards Sable Island banks searching for missing fishing vessels.

September 14. Found the Grenfel Mission yacht *Maraval* at sea 22 miles off Canso, towed her to Canso and gave her in charge of customs officer.

September 16. Arrived at Lunenburg to embark six Lunenburg fishing captains and take them to Sable island to try and identify the wreckage found on island.

September 17. Proceeded and arrived at Sable island 9 a.m. the 18th. The six captains landed and remained six hours searching over the beach and around shores on the island. At 3 p.m. captains returned and we proceeded towards Lunenburg.

September 19. Arrived at Halifax to land sick lightkeeper from Sable island. Left Halifax and arrived at Lunenburg same day.

September 20 to 22. At Lunenburg. Dense fog on coast and banks.

September 23. Proceeded towards Sable Island banks searching for wreckage.

September 25. At 6.30 a.m. we found the Lunenburg schooner *Uda R. Corkum* sunk in 15 fathoms water on Middle bank. We pulled the topmast, main gaff and main boom and part of mainsail from the wreck and took into Lunenburg.

September 27. Arrived at Lunenburg and gave wreckage in charge of the customs officer.

September 28 and 29. At Bridgewater.

September 30. Proceeded to assist schooner *Manuata*, ashore at Gaff point, mouth of LaHave river.

October 1. Pulled schooner *Manuata* off rocks. Vessel filled with water and turned over on side. Towed her in river.

October 2. At Liverpool.

October 3 and 4. At LaHave assisting with sunken schooner *Manuata* to get her out of channel clear of shipping.

October 5 to 8. Cruising on western coast watching American mackerel seiners. Three seiners on our coast.

October 9. Attended memorial service for lost fishermen at Lunenburg. Arrived at Liverpool same day.

October 10 to 20. Ship at Liverpool blowing down and cleaning boiler and tanks.

October 21. Proceeded cruising east towards North Bay and the Northumberland Straits. Called at Lunenburg, Halifax, White Head, Port Hawkesbury, Souris, Prince Edward Island, arriving at Pictou October 29.

October 31. Left Pictou cruising towards south coast of Nova Scotia. Called at Souris, Canso, White Head, arriving at Halifax, November 3.

November 5. Cruising on western coast and at Liverpool, November 11.

November 12. Proceeded on station and arrived at Lunenburg to help pull new fishing schooner from launchways where she had broken down 11.10 p.m. Pulled schooner clear of launchways.

November 13. Cruising on western station.

November 16. Found the American fishing schooner *Virginia* in distress off Little Hope and towed her to Liverpool for repairs.

November 17. Cruising on station, calling at Lunenburg, Lockeport, and Shelburne.

November 23. Found mast showing 6 feet out of water and fast to sunken wreck off Mouton island. We pulled mast from wreck and towed to Liverpool and gave in charge of customs officer.

November 24. Cruising on station.

November 30. Assisted schooner *Vivian P. Smith* to wharf at Shelburne.

December 2. Cruising on station. Found Shelburne fishing schooner *Muir* in distress with broken shaft and assisted her to Marine Railway at Liverpool.

December 3. Cruising on western station.

December 17. Towed schooner *Hazel L. Myra* out of mud to safe berth at West LaHave, then cleared ice from LaHave river up to Bridgewater and assisted three-mast schooner *Harry McLellan* out the river to safe anchorage off West LaHave.

December 18. Assisted three-mast schooner *Hazel L. Myra* from LaHave to Lunenburg and arrived at Liverpool same day.

December 19 and 20. Assisted local tugs to pull the American fishing schooner off Liverpool bar, but failed, and vessel wrecked.

December 21. Cruising on station. Called at Lunenburg and assisted three-mast schooner *Hazel L. Myra* to Halifax. Then arranged to take doctor to Sable island to attend sick lightkeeper. Doctor Byrne refused to go in *Arras* as the accommodation did not suit him.

December 22. Cruising west towards LaHave river to clear ice and keep river open for shipping.

December 23. Broke ice and assisted the American four-mast schooner *Dustin G. Cressey* down river to safe anchorage off LaHave.

December 24. Cruising on station.

December 25 and 26. At Liverpool.

December 27. Cruising on western station, calling at Lunenburg, Liverpool, and Shelburne.

January 6. Assisted National Defence lighter *Sapper* from Shelburne to Halifax.

January 7 to 9. At Halifax taking stores.

January 10. Cruising on station between Halifax and Shelburne.

January 12. Assisted fishing schooners *Agnes McGlashen*, *Mona Maria*, and *Clara B. Creaser* along the coast from Sambro to LaHave.

January 13. Cruising on western station and arrived Halifax.

January 16. Assisting fishing vessels.

January 18. Assisting fishing schooners *Hamona* and *Delawana* from Sambro light to LaHave and Lunenburg.

January 19. Breaking ice in LaHave river and assisting schooners *Evelyn Wilkie* and *Kathleen Creaser* into safe berth clear of ice.

January 21. Breaking ice and clearing channel to Bridgewater and assisting four-mast schooner *Joan Kielberg* from wharf at Bridgewater down river through ice to safe berth off West LaHave.

January 22. At Liverpool.

January 23. Cruising east, arriving at Halifax same day.

January 24. Proceeded, assisting fishing schooners *Pauline Lhones* and *Democracy* from Sambro to Lunenburg and Riverport.

January 27. Arrived West LaHave.

January 28. Pulled the schooners *Golden West II* and *Village Queen* off the mud banks at Parks Cove, where they had been driven on shore during the gale of the 25th.

January 30. Cruising on station and searching for drifting light and bell buoy which had gone adrift from Brazil rock, 11.55 p.m. Found buoy 15 miles south by west from Little Hope. Took buoy in tow and arrived at Sandy point



5 a.m. 31st. We then started breaking ice and clearing ice from channel at Shelburne.

February 1. Proceeded breaking ice at Shelburne, found the can buoy off Sandy point light drifting to sea, towed it back to position, then proceeded breaking ice.

February 2. Cruised east and arrived at Riverport. Breaking ice and assisting fishing vessels at Riverport.

February 3. Breaking ice at LaHave, Parks Cove, and Riverport. Cleared channel to Ritcey's wharf and released fishing steamer.

February 4. Breaking ice at Riverport, released schooners *Mary Pauline* and *Audry Brown* from ice to safe anchorage.

February 5. Cruised to Mahone bay and started breaking ice to clear channel to shipyards at Mahone.

February 6. Breaking ice at Mahone bay and Lunenburg.

February 7. Breaking ice at Mahone, Lunenburg, and Riverport. We released four-mast schooner *Joan Kielberg* from ice to berth off Spectacle island clear of running ice, then cruised west, arriving at Shelburne February 8.

February 9. Cruising east, called at Liverpool and arrived at Lunenburg the 10th.

February 11. Cruised to Mahone bay, cleared channel of ice and arrived at Liverpool same day.

February 13. Cruised east, breaking ice at Riverport and Parks cove. Released schooner *Versailles* from ice and assisted her to Lunenburg.

February 14. Cruised to Mahone bay, broke ice, cleared channel to shipyards and returned to Lunenburg same day.

February 15 and 16. At Lunenburg.

February 17. Cruising west, calling at Liverpool and arriving at Shelburne the 22nd.

February 23. Pulled the stranded yacht *Mic-Mac* off ledge and to wharf clear of ice.

February 24. Cruised east and anchored off LaHave river at night, waiting for high tide.

February 25. Proceeded, breaking ice at Riverport, Parks cove, and LaHave, arriving at Liverpool same day.

February 27. Cruised east, breaking ice at Riverport and Parks cove. Released fishing schooner *Jennie Elizabeth* from ice and assisted her to Lunenburg.

February 28. Cruised to shipyards, broke ice and cleared the channel so new fishing schooner could be launched, then proceeded to Riverport, breaking ice and clearing channel. Released fishing schooner *Bertha Walters* from ice and to LaHave.

February 29. Proceeded breaking ice at Riverport. Released schooner *Hamona* from ice and to wharf at Riverport. Assisted fishing schooner to Lunenburg, then assisted schooner *D. D. McKenzie* from Lunenburg to ice channel, Mahone bay. Broke ice to wharf and shipyards and assisted *McKenzie* to Ernest wharf, Mahone.

March 1. Proceeded breaking ice at Mahone, then cruised west to Riverport, breaking ice and clearing channel. Released fishing schooners *Mona Maria* and *Clara B. Creaser* from ice and to wharf at Riverport.

March 2. Breaking ice at Parks cove and Riverport. Released the fishing schooners *Agnes G. Myra* and *Mark Grey* from ice and to wharf at Riverport. Released fishing schooner *Hermada* from ice at Parks cove and released fishing schooner *Neva Belle* from ice to wharf at Indian Point, then breaking ice at Mahone bay.

March 3. Proceeded breaking ice Mahone. Towed schooner *D. D. McKenzie* out ice channel clear of running ice, then cruised to Parks cove breaking ice. Released fishing schooner *J. E. Conrad* from ice to wharf at LaHave. Arrived at Liverpool same day.

March 4 and 5. At Liverpool. Gales on coast.

March 6. Proceeded, assisted schooner *Cape Blomidon* out Liverpool bay clear of ice, and to sea. Cruised east, breaking ice at Riverport and Parks cove, arriving at Mahone bay same night.

March 7. Proceeded breaking ice at Mahone bay. Assisted schooner *D. D. McKenzie* to sea, then cruised to Riverport breaking ice and clearing channel so coastal steamer with frozen bait could get to Ritcey's wharf to supply fishing vessels. At LaHave at night.

March 8. Proceeded breaking ice at Riverport. Released fishing schooners *Mary Pauline* and *Pauline Lohnes* and to wharf, then proceeded to Parks cove. Released fishing schooner *Bernice Zinck* from ice and assisted her to Lunenburg.

March 9. Proceeded to Indian Point breaking ice. Released schooner *Neva Belle* and assisted her to Lunenburg, then proceeded to Riverport, Parks cove and LaHave breaking ice. Released fishing schooner *J. E. Conrad* and assisted her to Lunenburg, then proceeded to Parks cove and LaHave.

March 10. Proceeded to Riverport breaking ice. Released the fishing schooners *Mark Grey*, *Mona Maria*, *Agnes G. Myra* and *Clara B. Creaser* from wharf and out in harbour clear of ice. Released schooner *Russel Zinck* from ice, then proceeded to Mahone bay breaking ice and clearing channel.

March 11. Breaking ice at Mahone bay.

March 12. Proceeded breaking ice at Mahone. Released fishing schooner *A. J. Balfour* from ice and assisted her to Lunenburg.

March 13. At Lunenburg.

March 14. Proceeded to Mahone bay breaking ice and clearing the channel to shipyards.

March 15. Breaking ice. New pilot boat launched, then proceeded to Indian Point breaking ice and clearing channel, arriving at Lunenburg same night.

March 16. Proceeded to East LaHave breaking ice and clearing channel to wharf, then breaking ice in LaHave river.

March 17. Proceeded breaking ice and opening up LaHave river for shipping. Cleared channel to shipyards at Dayspring and channel to Bridgewater, then cruised west arriving at Liverpool same night.

March 18, 19 and 20. At Liverpool. Heavy gales on coast.

March 21. Proceeded to sea cruising towards Yarmouth for ship to lay up for repairs as per telegram received from department. Arrived at Yarmouth same night.

March 22. Moored ship at Baker's wharf for refit.

March 23. Inspectors O'Brien and Stevens on board going over the defects that require attention.

March 24. Crew getting ship ready for repairs.

The Lunenburg Grand Banks fishing fleet consisted of 68 sail, French fishing fleet 150 sail, Newfoundland fleet 27 sail, and Portuguese fleet 20 sail.

Forty-two French beam trawlers, two Spanish trawlers and nine Canadian beam trawlers were sighted this year on the banks, that is, St. Pierre, Quero and Middle Ground banks. We had no beam trawlers to contend with on the Grand banks this year.

The Lunenburg fleet had only a fair catch this year. During the first part of August fish were very scarce on the Grand banks which caused quite a number of our vessels going west to the Sable island and Middle Ground banks.

We had no complaints of interference with our fleet by the beam trawlers, and very few reports of illegal fishing.

During the year we had 16 American fishing vessels on the stations we were working on, these we boarded twenty-four times.

During the year we steamed 15,293 miles and consumed 1,285 tons of coal.

*Cruiser "Arleux"—Captain Cousins*

April 1. Cruising westward towards Liverpool on patrol work. Fishing reported poor.

April 2. Arrived at Shelburne.

April 4. Proceeded to Yarmouth. Boarded several American lobster buyers. Local fishing vessels report fair catches being taken.

April 5. Proceeded up Bay of Fundy to Digby. Passed large fleet of lobster fishing boats between Yarmouth and cape St. Mary's. Fishermen report fishing very good, between Gulliver's cove and Digby gut passed large fleet of scallop boats operating. Fishermen report good scallop fishing.

April 11. Proceeding towards Browns bank to take up search for twelve men adrift in four dories from the American fishing schooner *Commonwealth* burned at sea.

April 12. Searching Browns and LaHave banks for missing fishermen. Spoke with several fishing vessels on banks. No trace of missing men in dories. Continued search until midnight when weather prevented any further search then proceeded towards coast.

April 14. Arrived at Shelburne.

April 15. Proceeded to Halifax.

April 20. Proceeded to Lunenburg.

April 21. Moored ship at Lunenburg for annual repairs.

June 10. Finished repairs.

June 11. Proceeded to Halifax for bunker coal and supplies.

June 17. Proceeded on patrol work, arriving at Lunenburg.

June 19. Proceeded to LaHave banks in search of two missing fishermen from the Liverpool fishing schooner.

June 20. Continued search towards cape Sable. 7.30 p.m. arrived at Shelburne. Reported fishermen picked up and landed at Portland, Maine.

June 24. Proceeded to Halifax for supplies.

June 29. Arrived at Canso.

July 1. At Canso taking part in Diamond Jubilee celebration.

July 4. Arrived at Sheet harbour.

July 5. Proceeded to Halifax.

July 9. Proceeded to Lunenburg.

July 12. Proceeded to Chester.

July 13. Patrolling in Mahone bay in search of illegal lobster fishing.

July 15. Patrolling in St. Margaret's bay, arriving at Halifax.

July 18. Proceeded to sea, took crew off schooner *Mary F. Anderson* and towed derelict to Halifax.

July 26. Patrolling off Halifax harbour in search of illegal lobster fishing.

July 27. Proceeded to Chester.

July 29. Arrived at Lunenburg.

July 30. Proceeded to Liverpool. Fishing reported fair.

August 2. Arrived at Shelburne. Local fishing boats taking herring.

August 3. Proceeded to Yarmouth. Boarded the American fishing schooner *Yankee*.

August 4. Calibrating the Yarmouth D. F. Station.

August 5. Calibrating station.

August 6. Proceeded to Bay of Fundy towards Digby.

August 10. Located new scallop bed 14 miles N.N.W. from Point Prim, Digby.

August 12. Proceeded to Yarmouth.

August 13. Arrived at Shelburne. Boarded American fishing schooner *Oretha F. Spinney*.

August 16. Patrolling 3 mile limit off Shelburne to prevent American fishing vessels from securing bait inside limits. Local fishing boats taking good catches of herring from nets, disposing their catches to the Shelburne cold storage.

August 17. Patrolling off Shelburne.

August 18. Proceeding towards Halifax for coal and supplies.

August 20. Relieved lightship No. 24 off Halifax. 8 p.m. relieved by lightship and proceeded to Halifax.

August 26. Arrived at Shelburne.

August 27. Patrolling off Shelburne, boarded several American sword-fishermen at Shelburne.

August 30. Patrolling in vicinity of Shelburne.

September 1 to September 3. At Shelburne. Thick fog. Boarded several American fishing vessels.

September 5. At Lockeport (Labour Day) taking part in celebration.

September 6. Proceeded to Sandy point, took schooner *Joan Kielberg*, which was damaged in gale August 24, in tow for LaHave river.

September 7. Moored schooner at LaHave river, and proceeded to Lunenburg.

September 8. Cruising towards Halifax.

September 13. Proceeded to St. Margaret's bay and Hubbards cove, and proceeded to Lunenburg.

September 15. Proceeded in search of illegal lobster fishing.

September 16. Arrived at Shelburne. Boarded several American fishing vessels.

September 17. Arrived at Halifax.

September 19 to September 24. Cruising in vicinity of Halifax.

September 26. Cruising towards St. Margaret's Bay and Hubbards Cove. Proceeded to Halifax.

September 28. Arrived at Lunenburg.

September 29. Proceeding towards Sable island to bring off the late light-keeper's family and sick man.

September 30 to October 2. Off Sable island. Crew of life saving station made several attempts to launch surf boat, sea too rough.

October 3. Proceeded for coal. Towed into Canso water logged schooner *N. W. White*. Proceeded towards Sable island.

October 4. Arrived at Sable island. took off Cleary family and sick man, proceeded towards Halifax. Strong S.W. gale.

October 5. Arrived at Halifax.

October 6. Proceeded to St. Margaret's bay and Hubbards cove.

October 7. Proceeded to S.W. island, assisting patrol boat *Mildred McColl* in locating position of fish trap. Proceeded to Lunenburg.

October 9. At Lunenburg. Officers and crew attending memorial service for the fishermen lost during the gale of August 24th.

October 10. Proceeded to Halifax and vicinity.

October 15. Arrived at Lunenburg.

October 17. Proceeded in search of illegal lobster fishing.

October 18. Boarded American seiner *Governor Foss*, at Lunenburg.

October 21. Arrived at Halifax, cleaning ship's boiler.

- November 1. Proceeded to Lunenburg.
- November 2 and 3. Proceeded in search of illegal lobster fishing, proceeding to Lunenburg.
- November 8. Arrived at Shelburne.
- November 9. Cruising towards Yarmouth.
- November 10. Calibrating Yarmouth D. F. Station.
- November 11. Proceeding up Bay of Fundy towards Digby, passed large fleet of scallop boats operating between Gulliver's cove and Digby gut. Fishermen report good scallop fishing when weather is favourable. Several new boats have been added to the fleet this season. Proceeded to Digby.
- November 12. Proceeded to sea, picked up motor boat with two men, broken down and drifting to sea. S.W. gale. Took boat in tow to Digby. Ship at Digby in protection to scallop fleet, until lifeboat is in commission.
- November 19. Proceeding towards Yarmouth.
- November 20. Proceeded to Shelburne.
- November 21. Arrived at Halifax for coal and supplies.
- November 26. Proceeded to Sheet Harbour.
- November 27. Proceeding towards Canso to protect the winter fishing fleet.
- November 27 to January 24. Protecting winter fishing fleets from Canso, Arichat and Petit de Grat, and assisting fishing boats with engine trouble. Fishermen report poor season's fishing owing to haddock being scarce, and rough weather.
- January 27. Proceeded towards Halifax.
- January 28. Relieved *Sambro* lightship, and proceeded to Halifax.
- February 2. Proceeded towards Lunenburg with new Lunenburg fishing schooner *Sigrid Amanda* in tow.
- February 4. Moored ship at railway wharf Lunenburg for annual refit.

## LOSS OF LIFE

The loss of life of those actively engaged in the fishing industry of this province I deeply regret to have to report was appalling. In addition to the eighty-two men of the Lunenburg fleet, previously referred to, who lost their lives during the big gale of August 24, when four vessels of that fleet failed to return to port, a number of shore fishermen as follows were drowned while engaged in their precarious calling:—

On April 24, R. Latter drowned at Herring cove, Halifax county.

On August 24, Arthur Covey and his son Charles, of Indian harbour, drowned off Prospect, Halifax county.

Two fishermen were drowned in Halifax county east.

Three fishermen of Petit de Grat were drowned during the month of November. The schooner *Virginia S* lost one man on November 22, when Mr. Alexie Martell was washed overboard from a dory by a heavy sea. On the 28th, Messrs. Edward DeRoche and Willie Brown lost their lives when returning from the fishing grounds. A heavy sea capsized their boat and although they clung to the bottom of the boat as long as possible and several of their friends attempted to save them they sank before they could be rescued.

## PROSECUTIONS

In Appendix No. 8 will be found details of prosecutions for offences committed against the Fisheries Act in this province.

# REPORT OF INSPECTOR J. F. CALDER, DISTRICT No. 1, NEW BRUNSWICK, FOR 1927-28

District No. 1, New Brunswick, comprises the counties of Charlotte, St. John, Albert and the Bay of Fundy watershed of Westmorland county.

The following statement shows the catches and values marketed for the past year:—

|                  |               |            |    |           |
|------------------|---------------|------------|----|-----------|
| Cod.....         | 19,331 cwts.  | Value..... | \$ | 58,247    |
| Haddock.....     | 32,735 "      | "          |    | 70,589    |
| Hake.....        | 36,796 "      | "          |    | 41,610    |
| Pollock.....     | 7,693 "       | "          |    | 14,272    |
| Halibut.....     | 101 "         | "          |    | 1,912     |
| Flounders.....   | 1,133 "       | "          |    | 3,747     |
| Skate.....       | 157 "         | "          |    | 431       |
| Herring.....     | 155,224 "     | "          |    | 186,023   |
| Sardines.....    | 174,640 bbls. | "          |    | 1,046,250 |
| Alewives.....    | 23,000 cwts.  | "          |    | 41,916    |
| Salmon.....      | 3,462 "       | "          |    | 66,492    |
| Shad.....        | 1,698 "       | "          |    | 18,600    |
| Smelts.....      | 194 "         | "          |    | 1,903     |
| Mixed Fish.....  | 205 "         | "          |    | 102       |
| Clams.....       | 24,493 bbls.  | "          |    | 96,599    |
| Cockles.....     | 143 cwts.     | "          |    | 500       |
| Green Dulse..... | 2,870 "       | "          |    | 7,040     |
| Lobsters.....    | 6,735 "       | "          |    | 194,425   |
| Winkles.....     | 520 "         | "          |    | 1,231     |

The total marketed value of the catch was \$1,858,364, against \$2,296,541 for 1926, \$1,859,003 for 1925 and \$2,030,611 for 1924.

## COD

The catch of cod was 19,331 cwt. against 37,674 cwt. for the previous year. Cod were not so plentiful during the past year as they were the previous one, the demand for the fish was very poor and the opportunity to sell did not always exist. These factors account for a considerable portion of the decrease in the catch.

## HADDOCK

A large increase is to be noted in the quantity of haddock taken during the year—32,735 cwt. against 19,061 cwt. for the previous year. The increase in the haddock catch is due to two causes: first, the lack of market and very low price being paid for hake, and the increased opportunity to sell haddock in a fresh condition, the Maritime Fish Company of Digby, N.S., taking regular cargoes from Wilson's Beach.

## HAKE

The catch of hake was 36,796 cwt. against 34,120 cwt. for the previous year. The market conditions for these fish remain practically as they were during 1926. The average price paid during the past year for the round fish was 46 cents per cwt. This price was so low that very little energy was put into the fishery.

## POLLOCK

A large decrease is to be noted in the pollock catch—7,693 cwt. against 38,271 cwt. for the previous year. This falling-off in the yield is due entirely to a scarcity of the fish. Pollock were very scarce along the whole Atlantic seaboard. This was a serious blow to our fishermen, as slack-salted Quoddy pollock were generally in good demand, at fair prices. Of course, the price paid this year, due to the scarcity of the supply, was very high.

## HERRING

There was a falling-off of about 50 per cent in the herring catch for the year as compared with the previous one—155,224 cwt. in 1927 against 229,611 cwt. in 1926. This was due, principally, to a great falling-off in the run of herring at Grand Manan. The limited supply, however, was really a blessing in disguise for all those who engage in the smoked herring industry at Grand Manan, as their smoke houses were filled with the pack of the previous year. Owing to the very light pack during the past year, they were enabled to dispose of the stock on hand at fair prices.

## SARDINES

One hundred and seventy-four thousand six hundred and forty barrels were taken during the past year, against 171,637 barrels in 1926—practically the same quantity in each year—but the available supply differed greatly during the two years in question. During 1926 thousands of hogsheds of sardines were actually turned out of the weirs, as there was no sale for them. The factories on the American side actually closed down for the year by the middle of October. This year they kept open until the first of December. It is true that they did not open until July this year, but such was the case with most of them during 1926. Until July of the past year, Connors Bros. Ltd., was the only cannery that was open. Of course there were times when they could not take care of the entire supply, but the run was not very heavy and most of the fish were sold. After the American canneries opened up, the demand always exceeded the supply. The catch for the present year, therefore, really represents the available supply. The average price paid to the fishermen, \$6.60 per hoghead, is not a fair value for the product, and the industry is being conducted, on the whole, with very little, if any, profit. For the greater part of the year, the canners acted as an actual combine in the purchase of sardine herring supplies, with all of them paying \$5 per hoghead; but, during the latter part of the year, as the supply continued to be light and the buyers of lobster bait from Nova Scotia were procuring considerable quantities at the standing price, the canners started to raise it, with the result that, for a time, there was active competition among them in the purchase of herring at the weirs, and good prices were paid to the fishermen. The pack last year was comparatively light, all old goods are cleaned up and the past years pack is practically all disposed of also. Consequently, the canneries will all open in the spring, and it is to be sincerely hoped that there will be competition among them in the purchase of their supply of sardine herring, and that our fishermen will once again receive fair prices for the same.

## SALMON

The salmon catch was 3,462 cwt. against 3,810 cwt. for the previous year—a slight falling-off. Taken on the whole, however, this fishery is well holding its own.

## ALEWIVES

The Alewife catch was 23,000 cwt. against 34,000 cwt. for the previous year. A large portion of the alewife catch is salted, packed in barrels and exported to Haiti and other West Indian islands. There is very little demand for them at the present time, with the result that a considerable portion of the catch is yet on hand. The prospects for the successful prosecution of this branch, during the coming year, is not very encouraging.

## SHAD

There was a large falling-off in the shad catch for the present year—1,698 cwt. against 3,384 cwt. for 1926. While the catch in the Bay of Fundy

waters and St. John harbour was very light, at the same time, Overseer Barnes reports that a very large run of shad ascended the Petitcodiac river and successfully performed their function of propagation. It is to be hoped that the fishery will show the benefit of the same in the course of the next few years.

## LOBSTERS

A slight increase is to be noted in the quantity of lobsters taken during the year—6,735 cwt. against 6,130 cwt. for 1926. I really think the increase in the yield is due more to favourable weather conditions during the past fall, rather than to any increase in the run of lobsters.

There is very little to note with regard to minor branches of the industry.

It is very apparent that the lot of the fisherman, under present conditions, is not a happy one. The run of fish, taken on the whole, is fairly satisfactory, and the fishermen have provided themselves with necessary, up-to-date equipment for catching the same; but they are seriously handicapped by their inability to find a ready market for their products at paying prices. This is especially true of the summer months when the run of fish is the greatest and the weather is good. The urgent need of the line-fishermen is development of the fresh fish and mild-cured industries. The salt fish industry appears to be dying out. The fresh, mild-cured and canned industries are taking its place. Except in sardine canning, there has been very little development along these lines in this district. There is a fairly steady supply of practically all kinds of ground fish of the very best quality, but neither facilities, capital nor business organization for development along modern lines. It is to be sincerely hoped that some such development will materialize in the near future.

There were 64 confiscations and 14 prosecutions during the year. In Appendix No. 8 will be found full details of the prosecutions for this district.

### REPORT OF INSPECTOR A. L. BARRY, DISTRICT NO. 2, NEW BRUNSWICK, FOR 1927-28

District No. 2, New Brunswick, comprises the counties of Westmorland (Northumberland strait side only), Kent, Northumberland (except the North-west and Southwest Miramichi), Gloucester and Restigouche.

The total marketed value of the catch for the past year was \$2,504,560, as against a marketed value of \$2,998,007 for 1926, a decrease of \$473,281. The following tables show the catch and marketed value for the years 1926 and 1927:—

|                         | 1927         |            | 1926         |            |
|-------------------------|--------------|------------|--------------|------------|
|                         | Quantity     | Value      | Quantity     | Value      |
| Lobsters.....           | 43,017 cwt.  | \$ 760,628 | 53,481 cwt.  | \$ 921,856 |
| Smelts.....             | 45,990 "     | 684,260    | 59,088 "     | 846,850    |
| Salmon.....             | 18,369 "     | 331,112    | 20,779 "     | 320,322    |
| Cod.....                | 117,442 "    | 223,159    | 160,890 "    | 386,273    |
| Oysters.....            | 13,574 bbls. | 100,576    | 12,383 bbls. | 92,535     |
| Tomcods.....            | 20,246 cwt.  | 91,979     | 17,079 cwt.  | 61,242     |
| Herring.....            | 257,609 "    | 193,593    | 194,290 "    | 201,756    |
| Clams and Quahaugs..... | 8,704 bbls.  | 34,099     | 9,445 bbls.  | 35,644     |
| Mackerel.....           | 9,271 cwt.   | 30,303     | 19,088 cwt.  | 65,188     |
| Alewives.....           | 7,950 "      | 10,025     | 17,717 "     | 28,426     |
| Hake and cusk.....      | 8,963 "      | 18,692     | 5,166 "      | 11,583     |
| Haddock.....            | 1,099 "      | 2,335      | 1,996 "      | 3,800      |
| Shad.....               | 688 "        | 6,530      | 1,313 "      | 9,071      |
| Flounders.....          | 55 "         | 55         | 50 "         | 50         |
| Scallops.....           |              |            | 315 bbls.    | 708        |
| Mixed fish.....         | 528 cwt.     | 528        | 51 cwt.      | 51         |
| Trout.....              | 172 "        | 3,998      | 137 "        | 2,040      |
| Bass.....               | 482 "        | 9,338      | 426 "        | 6,590      |
| Eels.....               | 32 "         | 300        | 119 "        | 894        |



## LOBSTERS

Of the fisheries of this district the lobsters still hold first place in value although there was a decrease of 10,000 cwt. from the previous year. I would attribute a great deal of this decrease to the fact that there was better protection against out of season fishing in the northern district where in past years considerable lobsters were taken and carried to the open season district to the south and included in the catch of the fall season. I look for a considerable falling off in the reported pack in the northern district this coming year. In past years, a considerable illegal fall pack was made in certain parts of the northern district and included in the spring pack for the following year but there was very little of this during the fall of 1927 owing mainly to better protection, the low price of lobsters and the refusal of the larger dealers to buy any of this illegal stock. There were 125 lobster canneries in operation as against 129 in the previous year, a decrease of four. This decrease took place in the southern district and for some years past there has been a steady decrease in the number of canneries operating, as the operators cannot obtain enough lobsters to make packing profitable. Another reason is the ready market for the sale of lobsters for the live lobster trade which pays a better price for the larger lobster than the canneries can afford.

## SMELTS

There was a decrease of 13,098 cwt. in the catch with a decrease in value of \$162,590 from the previous year. This decrease may be partly accounted for by the fact that until after Christmas 1927 there was very little fishing owing to the lack of ice rather than to any noticeable decrease in the run of smelts. The fishermen sustained some severe losses in nets and gear owing to the ice moving out on two or three occasions after they had set their nets. Altogether about \$10,000 worth of nets were destroyed. The quality of smelts was good, particularly in the fall of 1927, and a good average price was maintained.

For the past three or four years the fishermen of the Miramichi district have realized that the number of nets set to catch smelts is out of all proportion to the quantity of smelts taken, there being about 3,000 licenses issued on the Miramichi river and bay. Throughout the summer, at the request of the fishermen, some meetings were held at which they voted almost unanimously for an increase in the distance between nets. Commencing December 1, 1927, all nets in the Miramichi district were set 200 yards from each other up and down the river where previously they had fished as close as 100 yards. The results have proven quite satisfactory and saves the fisherman who has struck a good run of smelts from being hemmed in too closely by other fishermen, as was the case previously. Better protection was given the smelts previous to the opening of the season with the result that there was very little illegal fishing done.

Less gill-net fishing was carried on from October 15 to December 1 than ever before and the fishermen are beginning to realize that this is not a paying proposition, as the smelts command only about half the price that they do in the colder weather. Last year the fishermen of Buctouche bay and the tributary rivers asked to have gill-net fishing prohibited which request was granted by the department.

## SALMON

There was a decrease of 2,410 cwt. from the previous year with an increase in value of \$10,566. The decrease was general throughout the district among the trap-nets, although the catch by drift boats in Northumberland strait was

about equal to the previous year. There was a considerable falling off in Bay Chaleur and Restigouche districts where all fishing is done with trap-nets. The decrease may be accounted for by the general fluctuations in fisheries from year to year. Nearly one million pounds were shipped frozen to England. The United States market also was always quite brisk and there was always a good demand for salmon the fishermen receiving from 10 cents to 12 cents per pound.

#### COD

There was a decrease in the cod fishery the catch being 43,448 cwt. and the value \$163,114 less than the previous year. Altogether the cod fishermen had a hard year as the continued damp weather throughout the fishing season made it next to impossible to put up a well dried product with the result that the market value shows a considerable decrease. Owing to the poor price paid, many boats of the fishing fleet stayed in the harbour. The price paid for dried fish averaged \$1 per cwt. less than the year before. The overseer in the Caraquet area reported that about 60 per cent of the fish were graded No. 2 quality.

#### OYSTERS

There was an increase of 1,191 barrels with an increase in value of \$8,041 over the previous year. Most of this increase was in the Miramichi Bay district where an increased catch of 1,075 barrels were taken. The increase was mainly due to the increased number of fishermen who came to the Miramichi from as far north as Caraquet and as far south as Buctouche. Last summer all dealers in my district were notified by letter from this office that a stricter check would be kept on the quality of oysters which were being bought from the fishermen. The overseers notified the fishermen that the size limit was to be more strictly adhered to. The inspector received many letters from the dealers saying that they were most ready to co-operate in putting on the market a better grade of oysters and the fishermen themselves were pleased when they received from \$1.50 to \$2 per barrel more for selected oysters than they had received the previous year. There is a wonderful opportunity for the development of the oyster fishery in this district and it is hoped that as a result of the meetings of the Royal Commission that some steps will be taken to improve the beds already in existence and develop new areas suitable for oyster culture. At the Commission sittings nearly all the oyster dealers asked for compulsory grading and standard packing of oysters.

#### TOMCODS

There was an increase of 3,167 cwt. with an increase in value of \$30,737 over the previous year. In February of last year there was very keen competition among the buyers of tomcods and as high as \$2.25 per barrel was paid where previously this fishery brought only from \$1 to \$1.50 per barrel. This accounts for the increase in value.

#### HERRING

There was an increased catch of 63,319 cwt., but a decrease in value of \$8,163.

#### MACKEREL

There was a decrease in catch of 9,817 cwt., with a proportionate decrease in value of \$34,885. This was not due to any decrease in the run of fish. It is regrettable that more fishermen did not go into mackerel fishing last year as owing to the fact that the Gloucester fleet did not strike the schools there was a brisk demand in the United States for these fish. In 1926 and 1927 the dealers

in this district had large stocks on hand which they were barely able to get rid of, with the result that they made very little preparation for buying in 1927, and so missed a most favourable market.

#### ALEWIVES

There was a decrease of 9,767 cwt. with a decrease in value of \$18,401.

#### CLAMS AND QUAAHAUGS

There was a decrease of 741 barrels and a decrease in value of \$1,545. There are now two canneries for canning quahaugs in my district, where a couple of years ago there were none. This probably accounts for the increase in value, although no apparent reason can be given for the decreased catch.

#### TROUT

There was an increase in the reported commercial catch, also a great increase in the catch in angling waters. Anglers of the Miramichi and tributaries report that the trout fishing was the best for years. This they attribute to the better protection given by the department in the prevention of fishing for trout through the ice, considerable of which was done until two or three years ago, particularly in the Bartibogue and Tabusintac rivers.

#### SCALLOPS

No scallop licenses were issued for this district last year. Good beds are known to exist in bay Chaleur, but as the fishermen are not familiar with the methods of taking this splendid shell fish and as they are hard to fish on account of living in deep water very little attempt is made to take them. It is hoped the commission will recommend instructions to the fishermen in the methods of raking scallops.

The other kinds of fish in my district are so unimportant that special mention need not be made of them.

#### PROTECTION

We had better protection on all kinds of fish last year than at any time during the past three years. The fishermen themselves seem to realize that in fishing illegally or countenancing it they are working against their own interests. Dealers, too, have awakened to the fact that the lobster fishery was doomed unless energetic steps were taken to protect this. In last year's report I spoke of a meeting held in Moncton in February, 1927, as a result of which more co-operation was looked for between the dealers and the department's officers. This has proven to be the case. At that meeting the dealers bound themselves to buy no illegal lobsters either in a packed or green state, and so far as I know all who signed the agreement have lived up to it. It was particularly noticeable during the close season north of the Chockpish. Some parties were looking everywhere for cans with which to put up illegally caught lobsters. They could not get these from the large dealers as in years past, and this was one contributing cause of the better conditions in the northern district last year. Only in one section of the northern district was any great attempt made to fish for lobsters in spite of preventive measures. This was in the district of Kent county, north of the Chockpish. Two additional patrol boats were put under the charge of the overseer there and with the result that nearly 5,000 lobster traps were taken up and the attempt to fish had finally to be abandoned by the fishermen, some of whom have no gear with which to start this year. It is regrettable that all this gear must be destroyed, but under the circumstances nothing else can be

done with it. If the traps were brought ashore they would certainly be stolen and put back into the water again. A number of prosecutions took place for breach of the lobster regulations, which had the result of slowing up the activities of the illegal fishermen.

Fishing for salmon out of season has long been a favourite pastime on the Miramichi for years past, but last fall more energetic steps were taken to interfere with this traffic. Additional and better guardians were employed to assist the overseer and by keeping their boats on the go day and night, and by changing the guardians, practically every net that was put in the water was seized, and it was admitted on all sides that very few salmon were shipped to the American market as in former years.

The same patrol was used to protect the smelts before the opening date, December 1, with excellent results.

As a result of the strict measures put in force more co-operation has come from the fishermen themselves, a greater number of whom fish out of season only because their neighbours do.

One necessity in this district is a fast sea-going motor launch available for any part of the district during the open water and this is being asked for, for this year. The last few years there has been a scarcity of salmon in the trap-nets of the Miramichi river. This scarcity has been laid to the drift-net fishermen, rather unfairly I think, as the charges are made without any real study of the facts. Of course there is no question that if drift-nets were not used more salmon would come up the river, but I believe there are other contributory causes, one of which has been the taking of so many spawn salmon during the fall of the year, in years past.

However, as a result of an investigation carried out by the department among the drifters and trap-net fishermen, restrictive measures will be put in force this year which it is hoped will remedy conditions somewhat. Drifting will cease on the 31st of July, one month earlier than in years past. The length and depth of their nets will be limited, which was not done before, and the trap-net fishermen in the river are to give up fifteen days at the end of this season. If, as a result, no increase in salmon is shown within a reasonable time more restrictions will probably have to be put on.

I quite agree that in order to have a well-balanced situation more salmon must reach the angling pools in the spring and early summer, but I do not agree with those who agitate that to this end the drifters should cease fishing for two weeks in June, which is the only month in which their operations really pay.

#### SEALS

Throughout the summer there was a bounty of \$3.50 paid on hair seal noses. In addition to the amount appropriated by the department for these bounties, the fishermen of the Miramichi held meetings and requested that the salmon license fees from the Miramichi be used for the destruction of seals at the mouth of the Miramichi. Altogether I paid out about \$1,700, representing payment on nearly 500 seals. This would indicate the destruction of at least 1,000 seals, as only about 50 per cent of those actually killed are ever recovered. As a result there were fewer complaints about the seals last summer than for some years past, and it is hoped that the bounty will be continued.

#### LOBSTER CANNERIES

There is a steady improvement in the sanitary conditions and in the equipment used in the lobster canneries. Last summer one license was cancelled and the fee returned to the applicant as his cannery was not considered fit for use.

In another case the overseer was instructed to accept no application. In a number of others the owners were warned to carry out certain drastic measures for 1928, under penalty of being refused a license to pack.

Throughout the year there were 63 prosecutions as against 17 of the year before. There were also 131 confiscations as against 54 of the previous year. Prosecutions were for offences as follows:—

|                                      |    |
|--------------------------------------|----|
| Breaches of lobster regulations..... | 39 |
| “ oyster “ .....                     | 4  |
| “ salmon “ .....                     | 18 |
| “ smelt “ .....                      | 2  |
| Total.....                           | 63 |

In appendix No. 8 will be found a list of those who were prosecuted in this district.

Considerable interest was taken by the fishermen and dealers in the sittings of the Royal Commission on Fisheries and as a result there is a more optimistic feeling that much good will come of the hearings. The fishermen all spoke well of the liberty they were given in expressing their views and the sympathetic hearing they received. They were frank in mentioning their faults in the past and in this way the commissioners got a real insight into the abuses by the fishermen themselves as well as the handicaps with which they have to contend.

#### REPORT OF INSPECTOR H. E. HARRISON, DISTRICT No. 3, PROVINCE OF NEW BRUNSWICK, FOR 1927-28

District No. 3, New Brunswick, comprises the counties of Kings, Queens, Sunbury, York, Carleton, Victoria, Madawaska and the tidal waters of the Northwest and Southwest Miramichi rivers in Northumberland county.

Spring opened up a little earlier than it did in 1926; the St. John river being pretty well clear of ice by April 20. By April 23 the waters of this river reached a height of about fifteen feet above low level, but did not reach the usual spring freshet level of about twenty feet above low level. The first gaspereau of the season reached the Fredericton market April 20. The weather continued cold and cloudy, with many rain storms, and the rivers and streams kept at a fairly high pitch nearly all season, and the season was not considered a favourable one from the fishermen's point of view, but it was of advantage to the earlier runs of fish such as gaspereau, shad and salmon. In comparing statistics for my district for the year 1927 with 1926 consideration must be given to the enlarged area in 1927. This added area comprises the tidal waters of the Northwest and Southwest Miramichi rivers and the tributaries entering them in that area—a considerable body of important water so far as the gaspereau, shad and salmon fisheries are concerned.

The total weight and value of the fisheries in 1926, excluding the area above referred to, and the total weight and value in the whole area in 1927 were as follows:—

| Year      | Cwt.   | Marketed value |
|-----------|--------|----------------|
| 1926..... | 2,936  | \$30,930       |
| 1927..... | 11,753 | 43,749         |

an enlargement of 8,817 cwt. and \$12,819 in value and the value of boats and gear added more than 100 per cent to the 1926 value.

Appropriate efforts were made to give the added territory proper supervision and I have no hesitation in saying that the local officer in that sub-district had proper respect shown in the matter of protection for the valuable fisheries.

Taking the 1926 area, and comparing the total catch and value in the same area in 1927, I find that there was a reduced catch of 265 cwt. and a less value of \$7,347, accounted for almost wholly in the smaller catches of bass and salmon.

## ALEWIVES

Fewer alewives by 98 cwt. were taken in 1927 in the same area that I had in 1926, consequently the large catch shown below was mostly taken in the Northwest and Southwest Miramichi rivers. The figures are

| Year      | Cwt.  | Value   |
|-----------|-------|---------|
| 1926..... | 758   | \$2,274 |
| 1927..... | 9,144 | 13,432  |

an increase of 8,386 cwt. and \$11,158.

In the St. John river area advices were to the effect that these fish were very plentiful during the spring run but the market was very limited therefore no particular effort was made to take more than were required for local consumption. In the Miramichi rivers area, i.e., the tidal waters, the quantity was 8,484 cwt. while statistics show that 9,000 cwt. were taken in the same area in 1926. I regret to have to report that the market for this fish was not good, and the price was low, and many hundreds of barrels remained in the hands of the dealers throughout the summer, with little or no profit to either fishermen or dealer.

## BASS

| Year      | Cwt. | Value   |
|-----------|------|---------|
| 1926..... | 220  | \$3,888 |
| 1927..... | 12   | 216     |

The bass fishery was almost a complete failure in 1927. In the St. John river area the drop was 200 cwt. and in the Miramichi rivers area none were taken in 1927. So far as the St. John river is concerned my experience is that there is a good run of bass about every twelfth year, but I had hopes for something more stable in the Miramichi area.

## EELS

| Year      | Cwt. | Value |
|-----------|------|-------|
| 1926..... | 30   | \$114 |
| 1927..... | 125  | 500   |

While the price of this fish, to the fishermen was practically the same in both years, and was very low, there was a considerable increase in the quantity taken. Had the price kept as it was in 1925—17 cents per pound—it is possible that a much larger catch would have been taken in 1927, and the water rid to a greater extent of a pest.

## MULLETS

| Year      | Cwt. | Value  |
|-----------|------|--------|
| 1926..... | 224  | \$ 672 |
| 1927..... | 255  | 1,005  |

This fish is used for baiting eel pots, to a considerable extent. There is also a considerable market for it in certain centres of population. Another reason why it seems desirable to take as many as possible from the rivers is the fact that it is presumed that it is very destructive to the eggs of shad and gaspereau, and possibly to the eggs of trout. A strange thing is the fact that trout and mullets appear to be great friends and very large fish of both species will lie together in considerable numbers in many clear water pools.

## PICKEREL

| Year      | Cwt. | Value   |
|-----------|------|---------|
| 1926..... | 368  | \$4,416 |
| 1927..... | 480  | 5,560   |

The very substantial increase in the catch of this fish is satisfactory, the fish were of large size and the price continued fairly satisfactory to the fishermen. It is a fishery that does not entail a large outlay for gear and it may be carried on the year round without the fishermen having to take much time from other work and it puts a few dollars into the pockets of the farmers living near waters where pickerel are fairly plentiful.

## SALMON

|           | Cwt. | To<br>fishermen<br>\$ | As<br>marketed<br>\$ |
|-----------|------|-----------------------|----------------------|
| 1926..... | 552  | 13,800                | 13,800               |
| 1927..... | 378  | 9,250                 | 9,250                |
| 1927..... | 633  | 13,075                | 16,900               |
| 1926..... | 732  |                       |                      |
| 1927..... | 255  | 3,725                 | 7,650                |

NOTE.—The first set of figures are for the district as it was in 1926, i.e., excluding the tidal waters of the Northwest and Southwest Miramichi rivers, and shows a decreased catch of 174 cwt. in 1927 and a value decrease of \$4,550. The centre row of figures show the quantity and value in my present area. In this instance the St. John river fish is credited at 25 cents per pound and the Miramichi rivers fish at 15 cents per pound to the fishermen and 30 cents per pound to the dealers. The lower set of figures show the catch in the two Miramichi rivers—the same area, see Inspector Barry's report for 1926—with a smaller catch of 477 cwt. in 1927. With regard to the St. John river I have no complaint to make. The water kept fairly high during the month of June and half of July and salmon evaded the gill nets on the lower part of the river but good catches were made higher up, in York and Carleton counties. •While this fishery fell off greatly in the upper area during the balance of the netting season it improved in the lower area—Kings county—and, notwithstanding the many and bitter complaints regarding the lack of effort on the part of your officers and guardians to enforce the law, and the great destruction of salmon by poachers, I think that I shall be able, before my report is concluded, to show that at least a fair proportion of salmon reached the angling and spawning waters. The fish were exceedingly well developed and very few grilse were taken in the nets. I anticipate that the development of hydro at Grand Falls which work will be completed sometime this year will affect the salmon fishery of the St. John river above Fredericton. The river will be kept at a higher level, probably, after the spring freshet subsides, and this may hurt some fishing stands and help others, and it is possible that it may spoil the angling altogether, or again it may develop other salmon pools. It will take a year or two to know what the result will be, and it will be interesting to watch the matter. Coming to the Miramichi waters, it seems to me that there is real cause for worry. The 1925 report gives the nets' catch as 992 cwt., the 1926 report as 732 cwt. and the 1927 report as 235 cwt. for the tidal waters now under my jurisdiction, with a similar decrease in the trap-nets district of Inspector Barry's district, I understand, while the drift-nets have taken a larger amount than in 1926. As this matter has received some consideration by your department, and is being further considered by the Royal Fisheries Commission, it is hoped that a remedy for present conditions may be found. At the session of Commission referred to, I was extremely pleased to hear two trap-net fishermen, who were strangers to me, voluntarily recommended that the size of the mesh

for trap-nets be made five and one-half inches, by law, instead of five inches as at present. As the department is well aware, I have for years advocated a six-inch mesh for salmon nets, of all descriptions, in all of our waters, and at a session of the commission in St. John a few days later Commissioner Robichaud advised the commission that he is in favour of the six-inch mesh. Such, it appears to me, would permit a considerable number of fair sized fish—6 to 8 pounds—passing through the nets if the fish happened to strike them, and would in a measure appease the anglers in giving them more fish to have a try at. It seems difficult to limit the number of nets allowed but I think that it would not be difficult to limit the length of them. Very few small fish are taken by the salmon nets in the St. John river but a very large number have been in years past, and up to the present, in the trap-nets in the Miramichi rivers and bay. It seems quite apparent that drastic action of some sort must soon be taken if the valuable salmon fishery of the Miramichi district is to be preserved, and a good deal may be done by the strict enforcement of even the present regulations.

## SHAD

| Year      | Cwt.  | Value   |
|-----------|-------|---------|
| 1926..... | 720   | \$4,320 |
| 1927..... | 674   | 4,044   |
| 1927..... | 1,017 | 5,108   |
| 1926..... | 680   | 3,800   |
| 1927..... | 343   | 1,064   |

NOTE.—The top figures are for my district as it was in 1926 (excluding the tidal waters of the Northwest and Southwest Miramichi rivers) and for the same area in 1927. It will be observed that there was a slight decrease in 1927. The middle row gives the result in 1927 with the Miramichi district added and the lower set gives the result in the Northwest and Southwest Miramichi rivers alone in 1926 and the same in 1927, showing a 50 per cent decrease in the latter case, with only thirteen shad fishery licenses issued in that area in 1926, as against seventy-nine in the same area in 1927.

An analysis of the St. John river area shows that the Kennebecasis river, in Kings county, yielded 72 cwt. less than the previous year and that the Washademoak water, in Queens county, yielded 113 cwt. more and the St. John river, in Queens county, yielded 96 cwt. less than in 1926; a net loss of 55 cwt. in the two counties. The balance of the St. John river counties—Sunbury, York, Carleton and Victoria—do not figure strongly in the total; the gross catch there in 1927 being 46 cwt., which just equals the net loss in the St. John river area in 1927 as compared with 1926. As the four counties—Sunbury, York, Carleton and Victoria—cover about 140 miles of the St. John river, it would appear that 46 cwt. of shad taken from that area would not tend to affect the shad fishery seriously, consequently if it desired to curtail this fishery further it would appear that the remedy needs to be applied in the counties of Kings and Queens, particularly on the two tributaries of the St. John. If a remedy is applied I would suggest that it take the form of issuing only one shad fishery license to a family and that the licensee be required to fish his or her own net, instead of allowing two licenses to a family, which may be fished by any person. The fishermen on the river contend that shad were not scarce, either in 1926 or 1927, but that water conditions were very unsuitable both years; being too high for profitable fishing. On looking at the returns from the last shad area—just below Grand Falls—it would appear that a considerable quantity of shad reached there and were able to pass the nets below, and there were only three nets operated at Grand Falls. Coming to the Miramichi rivers the 50 per cent loss would appear to be a matter for serious consideration, unless conditions were very abnormal in 1927. With a 600 per



cent increase in licenses issued and a decrease of 50 per cent in the catch of shad it looks bad from any angle. The price at which a large percentage of the catch sells makes it a very cheap food, and I hope that the supply will not diminish.

## STURGEON

| Year      | Cwt. | Value   |
|-----------|------|---------|
| 1926..... | 57   | \$1,425 |
| 1927..... | 24   | 528     |

This fishery, carried on by a few persons, is not very prosperous, and the price for the meat was not good in 1927. A considerable number of very small sturgeon are taken in other nets and are generally lost. Fishermen are warned to liberate the small fish alive but because of the great number of nets of all kinds it is quite impossible to know what is done with a large percentage of small sturgeon.

The total weight and marketed value of the commercial fisheries in this district, as the district was in 1926 and for the same area in 1927, and in the enlarged district in 1927, are as follows:—

| Year      | Cwt.  | Value    |
|-----------|-------|----------|
| 1926..... | 2,936 | \$30,930 |
| 1927..... | 2,671 | 23,583   |

## ENLARGED DISTRICT

|           |        |        |
|-----------|--------|--------|
| 1927..... | 11,753 | 43,749 |
|-----------|--------|--------|

## EQUIPMENT

| Value              | Value              |
|--------------------|--------------------|
| 1926..... \$15,185 | 1927..... \$31,811 |

## DOMESTIC FISHERIES

The quantity and value of the domestic fisheries in this district in the years 1926 and 1927 were approximately as follows:—

|           | Cwt. | Value    |                | Value    |
|-----------|------|----------|----------------|----------|
| 1926..... | 648  | \$13,120 | Equipment..... | \$17,332 |
| 1927..... | 598  | 11,015   |                | 25,102   |

The area was practically the same in both years, as I had the non-tidal water of the Miramichi rivers in 1926.

Statistical records from the various subdistrict officers, show that there were 50 cwt. less in quantity and \$2,105 less in value in 1927.

Reports from the local officers and various anglers during the season were that trout fishing generally was quite satisfactory, and in the Miramichi district particularly good. The lessee of Cains river said that he never saw a better run of sea trout in that river, and there was a particularly good run in the Southwest Miramichi above Cains river, which is a tributary. The anglers are more anxious however to get salmon and grilse and do not fish trout as was the case before salmon angling became such a sport. There are thousands of persons in this district who do not live beside salmon waters, or who cannot afford to fit out for salmon angling, to whom trout fishing is the chief recreation, and also for food at times, consequently the conservation of the present supply, and the propogation at the hatcheries and ponds by the department, to be later liberated in lakes and streams, is well worth while and should be, and no doubt is, appreciated by anglers.

Salmon angling on the St. John river was only fair. In York county the water was too high during most of the season. In Carleton county the same condition prevailed but it did not affect the pools so much and angling was fairly satisfactory, while in Victoria county high water, presumably, spoilt

such fishing. There is no question but that when the water is high salmon do not rest long in the various pools between Fredericton and Grand Falls, consequently it is much more difficult to take any. When the rivers are low the water is warm because of its sluggish movement therefore salmon will rest longer and in larger numbers in the cool spots, until the urge come upon them to move on towards the spawning areas on the Tobique and upper St. John, and it is while they are resting in these cooling spots that the anglers have their greatest success. The statement is often made by unthinking persons, or persons who do not know the facts, that, because salmon cannot be freely taken with the fly at all times, poachers are causing the trouble with nets. That may, and no doubt is a fact at times, but it is exceedingly seldom that such is the fact in recent years. Time was when a great many salmon were illegally killed with nets and spears on the St. John river, but evidence cannot be produced, during recent years, to show that many salmon have been illegally killed with either net or spear in this water. Vague statements by irresponsible persons are not evidence. Only three times since the year 1902 has the net catch of salmon on the St. John river been less than it was in 1927. At the same time the salmon anglers of the Tobique river had the best season in history—86 cwt. taken with rod and line against 398 cwt. taken by all the salmon nets in the whole St. John river area—while angling on the St. John was not good. The superintendent of the Tobique Salmon Club informed me that never within his experience of thirty-five years on that river did he see so many salmon descending the river after spawning as during the fall of 1927. Admittedly the continuous fairly high water was favourable for the ascent but that fact does not detract from my statement that large numbers of salmon reached the upper waters, and proves the numerous statements of "salmon unable to get up river," "antiquated service," "illegal fishing going on without let or hindrance," "fishery officers and guardian doing nothing but drawing their pay," as untrue. Possibly if the Government of the province of New Brunswick would spend a small amount of money, seeing that practically all of the revenue from the fisheries of the province goes to it, in placing a man here and there to co-operate with your officers and guardians, the service would be improved. It might at least satisfy those who are now making so much noise about the amount of illegal fishing taking place, and would give us a chance to check up on how badly your officers and guardians are falling down.

On the Southwest Miramichi salmon angling was not considered good; more particularly after the middle of July. Before that date there was no particular reason to complain, and here again the service provided by the department was not greatly to blame. I have been advised by a guide who spent the whole of the angling season on the river, in York county, that angling was good until the middle of July. Is it any wonder that angling was not very good during the whole season when we consider the fact of the very small catch of salmon in the trap nets and gill nets—a total of 255 cwt. in both the Northwest and Southwest rivers. The fact of the matter is salmon did not come into these rivers in large numbers in 1927, for what reason I do not know, but if angling was unsatisfactory it was not the fault of the officers and guardians. I am told by the same guide that never were there so many parties of anglers on the Southwest, in York county, as were there in 1927. Fishing parties followed one another continuously from the upper waters to Boiestown, besides the scores of anglers who spent from one to three weeks in specified areas. Two anglers from Boston, U.S.A., took nearly one hundred salmon and grilse in one small area—Burnt Hill pools—which is probably the best small area on the river. Hundreds of salmon and grilse ascended and remained in one small stream sixteen miles long—Rocky brook—in York county, in addition to numbers taken by anglers. Whether the great number and the great length of drift nets and

trap nets, or the vast number of hair seals, or a combination of both, brought about the conditions of 1927, as they were, I am unable to say, but there is no question about that salmon were comparatively scarce in those waters. In every instance wherein violations have been reported to me, and evidence of value furnished, prosecution has followed, with the exceptions noted below.

## PROSECUTIONS

There were twenty-seven informations laid against violators of the Act. In two instances informations were withdrawn because of the ages of the young offenders, but they were required to pay fairly heavy costs. One was withdrawn because of bad information, but was re-entered and a conviction made, and convictions were obtained in the other twenty-four cases, fines amounting to \$275, being paid in twenty cases and fines amounting to \$80, being suspended, pending future actions on the parts of the offenders, of which there were four. Details of these will be found in Appendix No. 8.

## SEIZURES AND CONFISCATIONS

Seventy-nine seizures were made and the articles, consisting of one old Ford car, one canoe, nets, wire traps, spears and torches, etc., were confiscated and mostly destroyed; \$82.10 worth of materials were sold and some stored for future sale—when the fisheries open in the spring of 1928.

## REPORT OF INSPECTOR S. T. GALLANT, PROVINCE OF PRINCE EDWARD ISLAND AND MAGDALEN ISLANDS FOR 1927-28

## PRINCE EDWARD ISLAND

The total marketed value of the fisheries of the province of Prince Edward Island for the year 1927 was \$1,367,807, an increase of \$8,873 over that of the year 1926.

The following table is interesting as showing the comparison of the catch and marketed value for the year 1927 with that of the preceding year:—

| Kinds of fish                 |      | 1926            |                | 1927            |                |
|-------------------------------|------|-----------------|----------------|-----------------|----------------|
|                               |      | Quantity caught | Value marketed | Quantity caught | Value marketed |
| Cod.....                      | cwt. | 49,823          | 118,700        | 49,419          | 127,627        |
| Haddock.....                  | "    | 1,472           | 3,065          | 1,168           | 3,787          |
| Hake and cusk.....            | "    | 13,803          | 20,881         | 11,326          | 16,780         |
| Mackerel.....                 | "    | 6,054           | 20,653         | 6,455           | 28,255         |
| Herring.....                  | "    | 63,930          | 89,915         | 51,834          | 88,368         |
| Crabs.....                    | "    |                 |                | 135             | 360            |
| Alewives.....                 | "    | 360             | 720            |                 |                |
| Salmon.....                   | "    | 164             | 4,015          | 124             | 3,031          |
| Smelts.....                   | "    | 15,390          | 98,670         | 14,936          | 179,232        |
| Trout.....                    | "    | 111             | 1,332          | 61              | 646            |
| Scallops.....                 | gal. |                 |                | 192             | 240            |
| Caplin.....                   | bbl. | 157             | 628            | 183             | 850            |
| Eels.....                     | cwt. | 192             | 2,162          | 131             | 1,358          |
| Tomcod.....                   | "    | 2,331           | 4,664          | 1,823           | 4,195          |
| Clams and quahaugs.....       | bbl. | 867             | 4,533          | 1,174           | 5,760          |
| Oysters.....                  | "    | 5,161           | 61,898         | 4,071           | 48,838         |
| Tongues and sounds.....       | cwt. |                 |                | 68              | 1,360          |
| Cod liver oil, medicinal..... | gal. | 30              | 45             |                 |                |
| Cod oil.....                  | "    | 5,730           | 1,719          | 4,010           | 1,203          |
| Lobsters.....                 | cwt. | 66,298          | 926,718        | 62,800          | 855,917        |

As the Royal Commission appointed to investigate all phases of the fisheries have held three sittings in the province of Prince Edward Island, I shall refrain from making any recommendations, confining my remarks to the actual fishing operations for the past season.

## COD

The season opened with poor prospects for marketing; the local market became quite active, however, and absorbed the bulk of the catch, good prices being obtained.

The catch by sub-districts is as follows:—

|                         | Cwt.   |
|-------------------------|--------|
| West Prince county..... | 7,330  |
| East Prince county..... | 696    |
| Queens county.....      | 34,632 |
| Kings county.....       | 6,761  |

## HADDOCK

The catch by sub-districts is as follows:—

|                    | Cwt. |
|--------------------|------|
| Queens county..... | 205  |
| Kings county.....  | 936  |

## HERRING

On account of unfavourable ice conditions fishing began late in May; the catch, therefore, is a little below that of last year. A large percentage of the catch was placed in cold storage for fox feed, a development of this fishery, which enhances its value considerably.

The catch by sub-districts is as follows:—

|                         | Cwt.   |
|-------------------------|--------|
| West Prince county..... | 15,925 |
| East Prince county..... | 11,263 |
| Queens county.....      | 8,178  |
| Kings county.....       | 16,468 |

## LOBSTERS

Our shores were surrounded with ice until the middle of May, and in some localities up to the 25th, which had a disastrous effect on this fishery. The ice moved off several times and some gear was set out, only to be destroyed, however, on the return of the ice which occurred on two or three occasions. It is impossible to expect a normal catch under such conditions, but, should the weather be favourable for fishing this spring, we may no doubt look forward to a much increased catch.

Japanese crabmeat is now an established product and is offering keen competition to the canned lobster. As a result, lobster packers will have to endeavour to put up a first-class article in order to establish a preference for their produce among the consuming public, and compensate for the difference in the price of crabmeat, which, I understand, is about one-third less than that of canned lobster. If the buying public could be assured of the superior quality of canned lobster no doubt a much larger quantity could be sold at a reasonable figure.

The catch by sub-districts is as follows:—

|                         | Cwt.   |
|-------------------------|--------|
| West Prince county..... | 13,975 |
| East Prince county..... | 10,411 |
| Queens county.....      | 13,067 |
| Kings county.....       | 25,347 |

## OYSTERS

East and West rivers with tributaries, Vernon, Orwell and Seal rivers are all well stocked with small oysters so that the future of this fishery in the above-mentioned rivers is assured. The Richmond Bay areas are very slow to recover and it will be many years before they attain their former state of productiveness. The oysters shipped from this province to the upper Canadian markets were in good demand and fancy prices were secured throughout the season.

## SMEELTS

The smelt fishing season for gill-nets opened on the 15th day of October. The fish were scarce but of a good quality and sold at extremely high prices. The bag-net fishing season opened on December 1, and although the rivers did not freeze over before the end of the month, record catches were taken in the East river and at other points.

The catch by counties follows:—

|                              | Cwt.  |
|------------------------------|-------|
| West Prince county . . . . . | 995   |
| East Prince county . . . . . | 5,328 |
| Queens county . . . . .      | 8,066 |
| Kings county . . . . .       | 547   |

## FISHERIES PROTECTION SERVICE

We had six patrol boats in the service and with the aid of the overseers and guardians a great many attempts at illegal fishing were suppressed. There is no doubt that the only means of preventing illegal fishing is by having a sufficient number of patrol boats employed, the captains of which must be men well qualified for the position; otherwise, the service is bound to suffer.

Total number of confiscations for violations of the fisheries regulations during the season 1927 covering 100 seizures, 45.

Total number of prosecutions during season 1927, 19.

In Appendix No. 8 will be found full details of the prosecutions for this district.

## REMARKS

The fishways built in 1925 at Laird's, Campbell's, Dixon's milldams, and at Vernon river, are proving a success and trout are ascending in large numbers to the proper spawning grounds. This will eventually increase the fishing in the above-mentioned streams and it is hoped that the department will see fit to construct more of these fishways in other streams that are equally important. Our streams are being fished continuously during the summer months by our own people and numerous tourists and everything possible must be done for the propagation of these sport fish. Sportsmen from the other provinces are loud in their praises of the excellent trout fishing in this province, and if the supply is to be kept up every attention must be given to propagation.

## CAPITAL INVESTED

The total capital invested was \$1,117,473, which covers sail and row boats, gasoline boats, carrying smacks, gill-nets, trap and smelt nets, herring nets, tubs of trawls, handlines, lobster traps, fishing piers and wharves, ice houses, small fish and smoke houses and fish canning and curing establishments.

## MAGDALEN ISLANDS

The total marketed value of the fisheries of the Magdalen Islands for the year 1927 was \$722,105, an increase of \$88,882 over that of the preceding year.

The following table gives a comparison of the catch and value of the year 1927 and that of the year 1926:—

| Kinds of fish           |      | 1926            |                | 1927            |                |
|-------------------------|------|-----------------|----------------|-----------------|----------------|
|                         |      | Quantity caught | Value marketed | Quantity caught | Value marketed |
| Cod.....                | cwt. | 38,892          | 87,010         | 38,894          | 83,238         |
| Herring.....            | "    | 101,600         | 76,222         | 110,217         | 69,535         |
| Mackerel.....           | "    | 17,595          | 66,035         | 61,885          | 177,046        |
| Smelts.....             | "    | 50              | 250            | 80              | 240            |
| Eels.....               | "    | 30              | 240            | 50              | 350            |
| Clams and quahaugs..... | bbl. | 1,975           | 11,500         | 1,615           | 9,690          |
| LOBSTERS.....           | cwt. | 25,799          | 373,313        | 20,463          | 300,087        |
| Squid.....              | bbl. | 25              | 250            |                 |                |
| Tongues and sounds..... | cwt. | 40              | 280            | 35              | 245            |
| Hair seals.....         | no.  | 1,200           | 2,400          | 50,357          | 56,462         |
| Seal oil.....           | gal. | 3,500           | 1,750          | 63,030          | 21,314         |
| Cod oil.....            | "    | 6,700           | 3,350          | 6,340           | 2,653          |
| Fish skins.....         | cwt. | 200             | 500            | 284             | 639            |
| Fish fertilizer.....    | "    | 300             | 75             | 480             | 606            |

#### COD

There was little demand for cod, and, as a result, this fishery was not carried on to any great extent. The catch was about the same as last year but the price was somewhat lower.

#### HERRING

Herring made their first appearance on May 12 and were very plentiful. Very few vessels called for bait, and as the demand for smoked herring is poor, this fishery is not as remunerative to the fishermen as it was some years ago.

#### LOBSTERS

Lobster canneries began operations on May 19, but on account of very blustery weather during the months of May and June, the catch was a little below that of last year, but the prices paid the fishermen were the same.

#### MACKEREL

Mackerel fishing with nets began on the 8th day of June and continued until the 20th, the largest catch in the history of the islands being landed, viz., 16,876 barrels. It is impossible to properly handle these fish in such large quantities, and as a result a great many of them were of poor quality and a much lower price had to be accepted for them.

#### SEALS

The increase in the number of seals caught was 49,157. The catch amounted to 50,357 seals which is a record catch for the Magdalens.

#### REMARKS

The arrival of the steamer *Lovatt* on the first day of May marked the opening of navigation to the Magdalen Islands. On her first trip from Pictou to the islands she encountered heavy fields of ice and was out for four days. This service is giving entire satisfaction so far as passengers and freight are concerned, and the captain and crew are very obliging and attentive to their duties.

It is pleasing to know that the people of these islands will have communication during the winter months with the outside world by means of the Air Service; this will doubtless be fully appreciated by them.

# REPORT OF INSPECTOR J. B. SKAPTASON, PROVINCE OF MANITOBA, FOR 1927-28

There was an increase of nearly two million pounds over the banner year 1926, which is accounted for by nearly 300 more men operating.

The following are figures for the last five years:—

| Year      | Quantity | Value to fishermen | Value as marketed | Number men employed |
|-----------|----------|--------------------|-------------------|---------------------|
|           | cwt.     | \$                 | \$                |                     |
| 1923..... | 154,090  | 739,321            | 1,020,595         | 2,530               |
| 1924..... | 177,898  | 886,410            | 1,232,563         | 2,828               |
| 1925..... | 191,329  | 1,061,331          | 1,466,939         | 3,390               |
| 1926..... | 304,143  | 1,744,642          | 2,328,803         | 3,809               |
| 1927..... | 322,967  | 1,423,100          | 2,024,708         | 4,095               |

Increases are shown in catfish of 803 cwt.; pickerel, 12,562 cwt.; trout, 507 cwt.; tullibee, 17,184 cwt. Decreases are recorded in goldeyes, 205 cwt.; perch, 2,593 cwt.; pike, 3,301 cwt.; whitefish, 5,008 cwt.; sturgeon, 260 cwt.

## MARKETS

While our fishermen have produced approximately the same per man as in 1926, their returns in many instances have been meagre owing to extremely weak markets. With an increased production of nearly two million pounds, the actual revenue to the fishermen of the province is, \$321,542 less than 1926, and to the exporter and dealer, \$304,095 less. While all varieties excepting catfish, goldeyes and sturgeon were affected by the slump in prices, pickerel and tullibee fared worse than any others, dropping about two cents per pound. As these two varieties constitute over twenty million pounds, or nearly two-thirds of the total production, the serious effect to the whole industry can be readily calculated.

The following are comparative prices as marketed, of the more important varieties, for the last five years:—

|                      | 1923 | 1924 | 1925 | 1926 | 1927 |
|----------------------|------|------|------|------|------|
| Catfish.....         | 10-0 | 11-1 | 10-6 | 11-3 | 12-3 |
| Goldeyes.....        | 5-0  | 4-4  | 4-2  | 4-0  | 4-7  |
| Perch.....           | 8-6  | 10-6 | 11-2 | 13-4 | 10-9 |
| Pickerel.....        | 8-4  | 8-5  | 11-5 | 10-3 | 8-0  |
| Pike.....            | 3-7  | 3-5  | 4-0  | 4-0  | 3-7  |
| Sturgeon.....        | 47-3 | 50-0 | 40-9 | 51-6 | 53-9 |
| Trout.....           | 7-5  | 10-0 | 9-0  | 11-0 | 10-9 |
| Tullibee.....        | 5-2  | 3-6  | 4-1  | 5-9  | 4-0  |
| Whitefish.....       | 7-1  | 9-5  | 9-5  | 9-0  | 8-5  |
| For total catch..... | 6-6  | 6-9  | 7-4  | 7-6  | 6-1  |

It will be seen the price realized per pound is the lowest in five years.

*The Sub-District of The Pas*, comprising all waters north of, and including the Big Saskatchewan river, but not the northern part of lake Winnipeg, has enjoyed a good season in all varieties of scale fish. The somewhat lower prices

that obtained as compared with 1926, was fully offset by the increased yield. While there were more men operating, the catch per man was considerably higher than the previous year. The slump in price which affected other districts very materially, was not nearly as injurious here, as pickerel and tullibee, in which the biggest drop was recorded, constitute a very small proportion of the production in this district. Moose, Cormorant and Herb lake, were the chief producers.

Cormorant lake just about produced its limit of 75 tons by the end of the season, February 28, 1927, and Clearwater lake had produced its limit of 40 tons by the end of January. About half the production was shipped fresh (green).

Three new lakes which were fished in a small way were Armstrong, Partridge Crop and Pikwitonina. These are all small lakes out from Mile 214 of the Hudson Bay railway and the principal catches were whitefish and tullibee. The whitefish produced were of exceptionally good quality, mostly jumbos and large mediums. One license was issued for Reindeer lake, where the production consisted mostly of whitefish, trout and herring. The catch was almost entirely sold locally.

So far this winter, Beaver lake appears to be the big producer, the limit of 100 tons being taken by the end of December. It is expected the 40-ton limit for Clearwater lake will be reached early in January.

Summer fishing for whitefish was carried on in a small way in Moose lake. The catch was good, but lack of ice and poor transportation facilities did not warrant extensive operations.

#### STURGEON

Sturgeon fishing on the Churchill was good, eleven licenses were issued, but the men operating were poorly equipped, and between them did not have an outfit of nets for more than five men. They produced 14,800 pounds of sturgeon, average dressed weight being fully 30 pounds. The first consignment consisting of 467 sturgeon were brought to The Pas before Christmas. The overseer reports these as the best samples of sturgeon, size and quality, that he has seen in that part of the country.

Summer fishing for sturgeon on the Big Saskatchewan river and its lake expansions, may be termed a total failure during the past summer. Both Cedar and Cumberland lakes were tried out for awhile, but only 2,000 pounds of the 50,000 pound limit was taken. The Nelson river also was very disappointing, only a little over 30,000 pounds were caught. It is felt that the restrictions placed on the sturgeon fishing by the new regulations were not made any too soon.

The completion of the new railway under construction to the Flin Flon Mines, will bring a number of lakes much closer to railhead. Egg lake, the Cranberry lakes, Athapapuskow, Beaver and Cold lake, all good fishing waters, will be within easy hauling distance to the railway, and as this is expected to be completed within the next year, considerable impetus will be given the fishing industry of the district.

The statistical returns for the fishing industry of The Pas district are given under one heading. It may be of interest to show here, the production by lakes:—



| Lake                | Whites | Pickarel | Trout | Mixed | Men |
|---------------------|--------|----------|-------|-------|-----|
|                     | cwt.   | cwt.     | cwt.  | cwt.  |     |
| Armstrong.....      | 133    |          |       | 50    | 1   |
| Athapapuskow.....   | 332    | 182      | 170   |       | 5   |
| Beaver.....         | 804    | 57       | 200   |       | 7   |
| Cedar.....          | 30     |          |       |       | 3   |
| Clearwater.....     | 785    |          | 90    | 8     | 10  |
| Cormorant.....      | 1,021  | 449      | 66    | 135   | 13  |
| Egg.....            | 552    | 2        |       |       | 4   |
| Herb.....           | 1,213  | 577      |       | 372   | 13  |
| Landing.....        | 646    |          |       | 86    | 4   |
| Moose.....          | 2,389  | 728      | 374   | 100   | 32  |
| Pelican.....        | 528    | 8        |       |       | 3   |
| Pikwitonina.....    | 86     |          |       |       | 1   |
| Partridge crop..... | 440    |          |       | 120   | 3   |
| Reindeer.....       | 85     |          | 75    | 20    | 1   |
| Setting.....        | 97     |          |       | 114   | 2   |
| Sturgeon.....       | 238    | 67       | 100   | 44    | 4   |
| Windy.....          | 2      |          |       |       | 1   |
| Wintering.....      | 202    |          |       | 38    | 1   |

## STURGEON FISHING

|                      | Cwt. | Men |
|----------------------|------|-----|
| Churchill river..... | 148  | 11  |
| Sturgeon lake.....   | 3    | 2   |
| Cedar lake.....      | 11   | 3   |
| Nelson river.....    | 320  | 44  |

A great many of the men fishing in the district are only part time fishermen; mining prospecting, and trapping being their chief occupations.

Lake Winnipegosis has produced well during the year, there has been a slight increase in total catch. When it is considered the winter season was ten days shorter than that of 1926, and the summer fishing carried on under a limit, which was taken a week before the normal closing time, the increase in production is fully in proportion to the increased number of men operating. Below are figures for the last two years:—

|             | 1926   |          |            |     | 1927   |          |            |     |
|-------------|--------|----------|------------|-----|--------|----------|------------|-----|
|             | Whites | Pickarel | Other fish | Men | Whites | Pickarel | Other fish | Men |
|             | cwt.   | cwt.     | cwt.       |     | cwt.   | cwt.     | cwt.       |     |
| Summer..... | 1,458  | 10,556   | 3,236      | 141 | 2,073  | 8,748    | 1,419      | 153 |
| Winter..... | 6,879  | 14,673   | 24,670     | 348 | 5,114  | 16,644   | 27,596     | 396 |
|             | 8,337  | 25,229   | 27,906     | 489 | 7,187  | 25,392   | 29,015     | 549 |

Lake Dauphin shows a very marked increase over the 1926 production, with four less men operating. There is an increase from 875 cwt. to 2,313 cwt. The chief increase is in pickerel, of over one hundred thousand pounds, which increase took place mostly in the first two months of the present season, November and December, 1927, and can be ascribed to the high waters in the spring of 1927, allowing a good run of fish from lake Winnipegosis up the Mossy river.

Lake Manitoba shows a slight decrease in production with two less fishermen operating. The total catch is 7,398 cwt. less than 1926.

The following are five years' figures:—

|                          | 1923   | 1924   | 1925   | 1926   | 1927   |
|--------------------------|--------|--------|--------|--------|--------|
| Number of fishermen..... | 626    | 779    | 905    | 1,128  | 1,126  |
|                          | cwt.   | cwt.   | cwt.   | cwt.   | cwt.   |
| Total production.....    | 25,655 | 48,658 | 51,587 | 85,256 | 77,858 |
| Catch per man.....       | 41     | 62     | 57     | 76     | 69     |

The decrease is in all varieties excepting whitefish, which shows an increase of 529 cwt.

This lake is well served by railways on both sides, and for that reason lends itself particularly well to the fresh fish industry, which is becoming more and more popular. Prices obtained by this method of marketing, are as a rule much higher than for frozen stock. The present winter however, has been a disappointment as regards prices for fresh fish. There appears to be some definite evidence of a combine by New York commission men to keep down prices, and this is the chief outlet for fresh fish from the province.

Lake St. Martin shows a slight increase over last year in whitefish.

Lake Winnipeg taken all through, this lake has had a most productive year. With 132 additional operators, the catch of all fish shows an increase of nearly two million pounds.

|                          | 1925        | 1926         | 1927         |
|--------------------------|-------------|--------------|--------------|
| All fish.....            | 84,763 cwt. | 141,726 cwt. | 161,597 cwt. |
| Number of fishermen..... | 1,791       | 1,828        | 2,096        |
| Price marketed.....      | \$644,530   | \$1,104,003  | \$1,065,828  |

It will be seen that with approximately two million pounds increase in production over 1926, there is a depreciation in actual market value, of nearly forty thousand dollars.

Whitefish shows a falling off both in winter and summer fishing of 9,000 cwt. while nearly every other variety records a substantial increase. The greatest increases are in pickerel and tullibee, the former recording an increase of 12,000 cwt. over 1926, and the latter 18,000 cwt. These however suffered the greatest slump in prices, an average of about 3 cents per pound as paid to fishermen. The tullibee market was very poor throughout the year, and those operating extensively, or almost entirely for tullibee, had a poor year in spite of the good catch. Over a million pounds was placed in cold storage locally, and in Winnipeg, and much of it did not move until late in the summer and fall.

The summer whitefish season was rather a disappointment. With the limit of 3,000,000 pounds fully taken in 1926, a week before the season expired, there was general optimism for 1927. The catch was very disappointing however, and was nearly 700,000 pounds short of the limit.

The following are five years' figures for the summer whitefish operations on lake Winnipeg:—

| 1923   | 1924   | 1925   | 1926   | 1927   |
|--------|--------|--------|--------|--------|
| cwt.   | cwt.   | cwt.   | cwt.   | cwt.   |
| 15,238 | 14,567 | 23,330 | 33,115 | 25,679 |

It seems to be fairly generally thought that the decrease in the catch for this season should not cause any alarm. Unfavourable conditions prevailed; the season was late in starting, owing to ice, and was rather cold throughout, which usually keeps the fish from schooling. Indications towards the latter part of the season were for a marked improvement, and some very big individual catches were then made.

The fall season was good, with increase in production of both pickerel and tullibee. The increase in the latter was of course due to the change in the regulations allowing the use of tullibee nets from October 20 to the end of the season. The run of fish was not as heavy as the previous year, but legalizing the regular tullibee nets for this period compensated for it.

The following are figures for the pickerel production during fall and summer:—

| 1925<br>cwt. | 1926<br>cwt. | 1927<br>cwt. |
|--------------|--------------|--------------|
| 10,626       | 22,860       | 30,724       |

Tullibee caught in fall operations:—

| 1925<br>cwt. | 1926<br>cwt. | 1927<br>cwt. |
|--------------|--------------|--------------|
| 3,404        | 16,620       | 19,475       |

#### ANGLING

There is a considerable increase in the number of angling licenses issued during the year: 554 as against 194 in 1926. This is no doubt due to the inauguration of the one-day dollar permit, and the patrol by a special guardian throughout the summer of the lakes along the southern Manitoba border. These lakes do not offer much in the way of variety to the angler, and really nothing in what may be termed as sport fish. Pike, and in some few instances pickerel and perch, are taken. Rock lake, lake Killarney, and Oak lake are the favourite hunting grounds of the North Dakota anglers. Of these lakes, Oak lake has been the best during the last two years.

During the year there were fifty-four prosecutions in the province, for the following offences:—

|                                          |          |
|------------------------------------------|----------|
| Fishing illegal mesh nets.....           | 24       |
| Fishing without permit or license.....   | 21       |
| Illegal possession.....                  | 5        |
| Fishing in close season.....             | 3        |
| Sturgeon fishing in prohibited area..... | 1        |
|                                          | <hr/> 54 |

There were 244 confiscations during the same period. In all, 335 illegal nets have been confiscated.

Fines collected, \$311.

Sales of confiscated articles, \$1,120.05.

In appendix No. 8 will be found full details of the prosecutions for this province.

Mr. Wm. A. Found, Director of Fisheries, visited the province early in May, with a view to holding conferences with fishermen and dealers. Well-attended meetings were held at Selkirk, Winnipeg, and Winnipegosis. The fishery regulations were thoroughly reviewed at these meetings, and many valuable suggestions made for changes and amendments, which materially assisted in their revision and consolidation.

## REPORT OF INSPECTOR G. C. MACDONALD, PROVINCE OF SASKATCHEWAN, FOR 1927-28

During the year there was a commercial production of 57,800 cwt. of fish, this being an increase of 1,085 cwt. over the previous year. The increases and decreases in the different species were:—

| Species        | Increase     | Decrease     |
|----------------|--------------|--------------|
| Whitefish..... | 3,656        |              |
| Pickereel..... | 835          |              |
| Goideyes.....  | 5            |              |
| Pike.....      |              | 623          |
| Trout.....     |              | 406          |
| Sturgeon.....  |              | 30           |
| Tullibee.....  |              | 689          |
| Mullets.....   |              | 492          |
| Mixed.....     |              | 1,171        |
|                | <u>4,496</u> | <u>3,411</u> |

### WHITEFISH

The increase in production of whitefish was largely shown from Peter Pond and Churchill lakes, with a combined catch of 5,742 cwt.; lac la Ronge, 908 cwt.; Dore lake, 1,758 cwt.; Waterhen lake, 351 cwt.; Turtle lake, 460 cwt.; and Makwa lake district, 151 cwt., and was generally due to more yardage of nets. There was also an increase shown from lakes in the Qu'Appelle valley of 111 cwt., due to the advancing of the winter fishing season and more men operating.

There was a decrease in whitefish production from Red Deer Lake district of 1,244 cwt., due to the waters in that area being now included in the National Park, where no fishing was carried on during the summer or December seasons. Jackfish lake decreased 336 cwt. due to the restrictions during the summer season. There was a decrease shown in the Ile a la Crosse district of 2,366 cwt. of whitefish. Of this amount Kelly lake would account for 194 cwt., where fewer nets were used; Churchill river, 50 cwt., where no fishing was carried on during December; Deep river decreased 237 cwt.; and Ile a la Crosse proper, 1,855 cwt. Deep river is the connection between Ile a la Crosse lake and Churchill lake, the waters flowing from the latter. Near the outlet from Churchill lake is the connection between that lake and the east end of Peter Pond—locally called Little Buffalo lake. During the early part of December the run of fish in Deep river was from Ile a la Crosse lake to Churchill and Buffalo lakes, due largely to higher water levels. The production on the latter two lakes was unusually good, and it is claimed a large quantity of the whitefish taken were Jumbo whitefish and the same species as had been taken on Ile a la Crosse lake during previous years, with the result that the fishing on Ile a la Crosse lake was unusually poor during the present winter season. This migration of whitefish has happened on previous occasions in the same area.

There was also a decrease shown of 1,186 cwt. of whitefish on Long lake, when thirty-four fewer men operated. The decrease in the production may not only be due to fewer men operating but also to a large closed area against commercial fishing, and the water level, being some 4 feet higher, had a great effect on the migrating of whitefish from the closed area to the deeper waters where fishing was allowed.

There was a decrease shown of 406 cwt. of trout. This was due to no fishing being done on Kingsmere lake (Little Trout) or Crean lake, which have been taken within the National Park. The decrease of 30 cwt. of sturgeon was due to revised regulations prohibiting summer fishing for sturgeon. There

was a considerable decrease shown of the coarser species, which was largely due to the early freeze-up during November, allowing practically all fishing to be done in deeper waters during the opening of the winter season.

#### GREEN FISH

There were 2,171 cwt. of fish shipped during the winter season in a green condition, which was an increase of 852 cwt. over the previous year. Of this amount, 2,071 cwt. were whitefish and 100 cwt. tullibee. All of the above fish were shipped from Jackfish, Turtle, Makwa, and Waterhen lakes in the North Battleford district.

#### MARKETS

The total market value of the year's commercial production was \$503,609. This was an increase in value over the previous year of \$59,321 and was due partly to a larger production as well as an increase in the quantity of green fish shipped during the winter season. The markets during the closing of the 1926-27 winter season became slightly over-supplied, resulting in a quantity of fish being stored, largely in the United States. At the opening of the 1927-28 winter season the buyers were fairly keen and the season opened with a slight increase in price over the previous season. It is believed that the general limitations on production on all waters will be a big factor in regulating the markets, as the amount of fish available will be more definite than in previous years. The local markets appear to be well looked after, as one large fish company in particular specializes in local distribution of small and mixed shipments.

#### EQUIPMENT

The total value of all equipment used during the year in connection with the commercial operations was \$91,967, this being a decrease of \$3,727 from the previous year. There was an increase shown of 580 gill nets valued at \$9,501, and an increase of 2 ice houses on Dore lake.

There was a decrease shown of 7 smoke houses valued at \$4,350 all on Peter Pond lake where there are none shown for the year; a decrease of 2 piers, 3 on Long lake, and an increase of 1 on Okemasis lake. There has been a decrease of 27 row boats, 1 on Jackfish lake and 20 on Turtle lake, 2 on Okemasis, 6 on Red Deer, and an increase of 1 on Pierce lake and 1 on Makwa lake. There was a decrease of 8 gasoline boats, 1 on Jackfish lake, 4 on Turtle lake, 3 on Okemasis lake. The above decreases were all due to less summer fishing in the various districts.

#### CONDITION OF FISHERIES

The general condition of the fisheries throughout the province might be considered as favourable, and a much wider interest is evident, especially throughout the northern portions of the province, due to some extent to the scarcity of fur-bearing animals, resulting in an increased number of the native population fishing. Very few new waters were opened up during the year, and outside of Pipestone lake the operations during the year were all on waters that had been fished for a considerable time. Fishing in Ile à la Crosse lake dropped off considerably during the month of December, and especially in whitefish production due to the migration to other waters. Dore lake, which has been a very large producing water, has improved considerably over the previous year. Fishing in the Waterhen lake district shows a slight improvement. Lac la Ronge, which is the largest lake operated, has had an average production. In Long lake, where the commercial operations have been gradually restricted, the results were that neither the winter nor summer limit was

reached. Three lakes, Kingmere (Little Trout), Crean and Red Deer, have been taken within the National Park during the year. Over fifty fishermen who had been operating on these waters during previous years producing a considerable quantity of whitefish and trout have since discontinued fishing or moved to other waters throughout the province. Other waters are retaining their production at about normal.

## OBSERVANCE OF REGULATIONS

During the year there were 57 prosecutions and a conviction was secured in all cases, resulting in fines amounting to \$277.50 being imposed with additional court costs of \$212.50, as follows:—

|                                                    |       |
|----------------------------------------------------|-------|
| Fishing during close season.....                   | 21    |
| Fishing without a license.....                     | 15    |
| Offering fish for sale under Dominion license..... | 2     |
| Fishing with illegal apparatus.....                | 8     |
| Possession of fish during close season.....        | 8     |
| Failing to tag nets when in water.....             | 2     |
| Illegal possession of fish.....                    | 1     |
|                                                    | <hr/> |
|                                                    | 57    |

There were also 42 confiscations made during the year, as follows:—

|                            |       |
|----------------------------|-------|
| Illegal apparatus.....     | 16    |
| Illegally caught fish..... | 18    |
| Legal apparatus.....       | 8     |
|                            | <hr/> |
|                            | 42    |

There were 17 sales of confiscated articles made during the year, amounting to \$229.19.

In Appendix No. 8 will be found full details of the prosecutions for this province.

## FISHWAYS AND DAMS

During the fall of 1926 some of the important fishways in dams in the southern portion of the province were inspected by the fisheries engineer. Amongst these were the fishways at Katepwe, Craven and Pasqua, and three on the Moose Jaw creek near Moose Jaw, and all of which required some minor alterations. No repairs have been carried out on any of these fishways during the year. The dam over the Red river at Red Wing was removed during the spring. The fishway in the Cowan river dam is in good condition, but the dam will probably require some repairs during the coming season. A new fishway was installed in the Gravelbourg dam on Wood river. Arrangements were under way to have fishways constructed in small dams on the various creeks in the Cypress Hills area but owing to the very high waters during the entire summer season none of this work was undertaken.

## DOMESTIC

There has been a production during the year under domestic net fishing of 14,349 cwt. of fish, this being a decrease of 980 cwt. from the previous year. Whitefish decreased 950 cwt.; trout, 1 cwt.; pickerel, 4 cwt.; tullibee, 219 cwt.; mullets, 13 cwt.; and mixed fish, 85 cwt. Pike increased 274 cwt, and Goldeyes 18 cwt. The average catch per license was 1,461 pounds as compared with 1,611 pounds the previous year.

## ANGLING, 1927

There was an estimated catch of fish by anglers during the year of 23,139 cwt. This is a decrease of 3,776 cwt. from the preceding year. There has been

43,041 anglers reported, being a decrease of 1,873 from 1926. This decrease in catch and number of anglers is reported to be largely due to the unfavourable weather conditions during the summer season. The average catch per angler was 54 pounds of fish, as compared with 60 pounds during 1926.

#### EXAMINATION OF WATERS

There were twenty-four waters examined during the year to determine their suitability for fish life. Of this number twenty-one were reported to be suitable.

It is gratifying to be able to report that as a result of the planting of cisco or lake herring in Quill lake during the spring of 1924, that about 200 pounds of this species was taken in nets during this year, and also that 300 pounds of whitefish were taken from the same lake. Although the first official planting of whitefish was made during April, 1926, it is presumed that accidentally whitefish fry got mixed with the cisco planted during 1924.

The staff of fishery officers gave considerable assistance to the Fish Culture Branch officers during the year.

I regret to report that four of the older fishermen were drowned during the fall, and that none of their bodies have as yet been located.

#### REPORT OF INSPECTOR R. T. RODD, PROVINCE OF ALBERTA, FOR 1927-28

The commercial catch shows a decrease in both quantity taken and value as marketed. Market conditions in the spring were poor and this accounts mostly for the decrease in both quantity and value. There was a practical cessation of fishing at Buffalo bay and Lesser Slave lakes, where an amount exceeding 500,000 pike and pickerel was obtained during the spring fishing of 1926. Very stormy weather prevailed during August and September at Lesser Slave lake, many fishermen reporting the entire loss of equipment.

#### INCREASES

The most gratifying increase to be recorded for the past season is on lake Athabasca where the summer fishing for trout was the best on record. While close to 1,000,000 pounds of trout and whitefish was obtained, almost the entire amount was caught by one company, a second company starting operations too late to do much fishing. Reports were received that, owing to the heavy catches, it was necessary for the operators to stop fishing periodically as they were unable to handle the fish caught with the limited equipment on hand.

In spite of the great distance from lake Athabasca to Chicago and other eastern points the shipments of trout and whitefish arrived at their destination in splendid condition. The trout are of an excellent quality, the flesh being pink and the fish of uniform size between 7 and 10 pounds, although specimens exceeding 40 pounds were caught. A small increase in the catch was reported for the Lac la Biche district and Moose lake for the summer season, and during the winter season at Pigeon, Lesser Slave, Sturgeon, Primrose and Cold lakes. Fishing in the latter lake was particularly good, the limit being obtained in slightly under one month's fishing. It is also noted that a large increase is shown in the Peter Pond lake district in Saskatchewan where there was more extensive fishing through commercial licenses being granted. Good fishing at Churchill lake obtained during the first part of the year. This district is in excellent shape and should last with the present limit for many years to come. This district shows an increase in the neighbourhood of half a million pounds, chiefly of whitefish and pickerel.

## DECREASES

The heaviest decrease recorded is from Lesser Slave lake where the usual heavy spring fishing, as witnessed the year before, was seriously affected by the market conditions prevailing. It was reported that the market was glutted with coarse fish from the other western provinces, hence fishing in Lesser Slave lake was more or less at a standstill. I have no reason to believe that the lake is depleted, and without question the present safe limit should be easily obtained. Lac Ste. Anne and Wabamun show slight decreases, as well as Beaver lake which was heavily fished the year previous and showed up poorly during 1927. This lake is considered to be in a depleted condition. The winter operations show the lakes as producing fairly steady with the exception of Winnifred lake, which was also too heavily fished the previous winter. Winter prices were extremely good and market conditions generally excellent.

## MARKETS

Spring prices, as already reported in so far as this province was concerned, were poor and it was almost impossible to dispose of jackfish at any price. The price for whitefish during the summer was fair and good in the fall. Athabasca trout are gaining an enviable reputation in the eastern markets and are standing the long haul from lake to market very well. Extension of this market may be expected, through larger operations now contemplated at lake Athabasca. It is expected that three companies will be operating on this lake for 1928. Three hundred thousand pounds of the trout caught were pan frozen and shipped after the season closed and were marketed very successfully. It is stated by one of the companies about to operate that a market was assured for their whole catch. Winter prices have been very good and the majority of fishermen and dealers are satisfied with their season's work.

## TRANSPORTATION

There has been no great change in this feature over last year, with the exception of transportation from lake Athabasca to Waterways. The companies operating have invested heavily in equipment for catching and sending the fish to market in the best condition. Great care is being taken to see that the fish is properly iced and taken as swiftly as possible from the lake to the end of steel at Waterways, a distance of over 200 miles. Present developments comprise three new stern wheel boats, a new freezing plant at the lake, an ice-making plant at Waterways, and ammonia freezing plants on the barges conveying the fish up the Athabasca river, as well as many buildings for the men and horses. The trail from Cheecham to Peter Pond lake was in good condition last year, there being plenty of snow to commence operations. The express companies co-operate well with the fish dealers and every facility is being given by the railway companies to see that the fish arrive in the best possible condition.

## EQUIPMENT

As has been previously explained, the Lesser Slave lake fishermen were heavy losers both in nets and boats through the bad storms on that lake during the fall. Some loss was also felt in piers and wharves through ice movements in the spring. One Edmonton fish company has installed a large cold storage and freezing plant in Edmonton, using the Ottesen process, with a storage capacity of six cars. Two companies are desirous of building freezing plants on Peter Pond lake for summer fishing. Altogether there is a keen desire evident from all quarters of maintaining and, if possible, improving the standard of fish exported from Alberta. Cottages and boats were built at Cold lake to accommodate anglers and there is now ample room for all anglers at this most popular resort.



## OBSERVATION OF THE REGULATIONS

The number of prosecutions for the year 1927 was 73 and the number of confiscations 41. Full details of prosecutions will be found in appendix No. 8.

|                                                             |    |
|-------------------------------------------------------------|----|
| Fishing in close season contra to Sec. 21 and 33.....       | 15 |
| Fishing without licenses contra to Sec. 1.....              | 13 |
| Fishing with illegal mesh net contra to Sec. 17 and 11..... | 11 |
| Pollution of streams contra to Par. 44.....                 | 9  |
| Fishing without angling permit contra to Sec. 32 (a).....   | 8  |
| Fishing in closed waters contra to Sec. 24 (c).....         | 7  |
| Having undersized fish contra to Sec. 34.....               | 4  |
| Fishing with lights at night contra to Sec. 29.....         | 2  |
| Fishing with illegal apparatus contra to Sec. 11.....       | 1  |
| Obstructing creek contra to Sec. 12 (1).....                | 1  |
| Selling fish under domestic license contra to Sec. 2.....   | 1  |
| Assisting angler to fish contra to Sec 32 (a).....          | 1  |
| Total.....                                                  | 73 |

Much valued assistance was given by the undermentioned associations as well as by the sixty-two honorary guardians appointed for the purpose of assisting the overseers and guardians in their large territories:—

1. Northern Alberta Fish and Game Protective Association.
2. Coleman Rod and Gun Club.
3. Claresholm Fish and Game Protective Association.
4. Lethbridge Rod and Gun Club.
5. Calgary Fish and Game Protective Association.
6. McLeod Anglers' Association.
7. Bellevue Fish and Game Association.
8. Pincher Creek Anglers' Association.
9. High River Angling Association.
10. Cardston Fish and Game Association.

## IRRIGATION SYSTEMS

Owing to the heavy rain fall and continued wet weather throughout southern Alberta very little irrigation was required, in fact some of the small systems were never opened during the summer. No complaints have been received regarding destruction of fish.

## DAMS AND FISHWAYS

The fishway in the Canadian National Railway's dam at Burbank on the Blindman river was again taken out by the ice in the spring, owing to high water during the summer. This could not be repaired until late in the season, when a new fishway was installed. This was placed to one side of the spillway and where it is now protected from ice and high water by the wings of the dam.

The fishway in the Canadian Pacific Railway dam in the Vermilion river at Hazeldine, Alta., has been completed and is in good condition. A new fishway was also erected in the Canadian National Railway dam in the Lobstick creek at Leslieville. Repairs were also made on the fishways in the Canadian National Railway dams in the Vermilion river at Vermilion and Vegreville. The dam in Willow creek, owned by the town of Claresholm, was carried away in September by flood; this has allowed a great quantity of pike and suckers to ascend to the upper reaches of the creek. This dam was considered beneficial to the trout fishing, as it prevented the pike and suckers from ascending to that part of the stream frequented by trout. It will be rebuilt as soon as possible.

The large dams on the Bow river at Bassano and Carseland owned by the Canadian Pacific Railway and Canada Land and Irrigation Company and the Eau Claire dam at Calgary, in my opinion have greatly benefitted the trout fishing in the Bow river and tributaries, as they have prevented innumerable

quantities of pike and suckers from reaching the trout waters. This is especially so with regard to the first two named, as no trout are found below them, and that part of the river is infested with very large quantities of pike, suckers and ling.

#### ANGLING

Angling throughout the province was not so good as during 1926. This was not due to the streams being depleted but due to the continued wet weather through the greater part of the season, which kept most of the roads in an almost impassable condition and also kept the streams flooded and in a muddy condition. This was especially so in the southern part of the province. There were a few short periods when the roads were passable and the streams clear, when excellent catches were taken especially in the Highwood river. Good angling was also obtained in Willow creek and in the Old Man river and some of its tributaries when the water was clear. There was also an increase in the angling carried on at Cold lake for lake trout. The sale of angling permits was increased from 643 in 1926, to 926 this season, and the catch taken by anglers increased from 42,370 pounds to 54,735 pounds. The largest trout taken during this season was 40 pounds. The angling for pike, perch and pickerel in the lakes was good and especially so in Lac la Nonne where excellent catches were taken.

#### EXAMINATION AND RESTOCKING OF LAKES

Very few lakes were examined during the year with a view to stocking, only ten being examined by myself and staff. An attempt was made to stock a few lakes by transfer of adult fish by the staff with the assistance of the parties interested in the lakes, but very little was accomplished owing to the bad condition of the roads. Those who agreed to supply the transportation refused to put their cars over the roads, therefore a number of fish already trapped for transfer had to be liberated and the work abandoned.

A few facts regarding the stocking of waters with fry from the Banff hatchery might not be out of place. During October, 1919, Hybernia and Marjorie lakes in Jasper Park were stocked with rainbow trout fingerlings, 4,000 being liberated in each. Until that time these lakes contained no fish of any kind. I have while at Jasper recently received numerous reports of very fine rainbow trout having been caught from Hybernia lake, some weighing up to 4 pounds.

Large rainbow have been seen in Marjorie lake during the spawning season, but it is claimed they are very difficult to catch. The fish will not take the artificial bait owing to the great amount of natural food in the lake.

Loch Leven trout up to ten inches in length were taken in the Little Red Deer river this season, which is the result of stocking since 1924. Rainbow trout up to 3½ pounds were also taken in the Highwood river, the result of the stocking during the season 1919 and each year since. About 30 per cent of the catch from this stream is rainbow trout. These trout are now being taken from numerous other streams in southern Alberta where they have been liberated and where none were found previous to stocking from Banff hatchery.

#### REPORT OF CHIEF INSPECTOR MAJOR J. A. MOTHERWELL, WESTERN FISHERIES DIVISION (BRITISH COLUMBIA) FOR 1927

#### SALMON

The calendar year of 1927 closed with a total pack of 1,361,977 cases of salmon, as against 2,065,190 cases in the previous year. The year of 1926 produced the record pack of the province, but the comparison of these two years

is not a fair one when endeavouring to arrive at the condition generally of the salmon industry. The only fair comparison would be by taking the packs of the several varieties and comparing each with that of the brood year in each case. A very erroneous impression is created in the minds of the public by newspaper and other reports being published which do not make the correct comparison.

The average pack of all varieties for the past five years was 1,641,381 cases and had it not been considered necessary to greatly curtail fishing operations during the year, undoubtedly the 1927 pack would have almost, if not quite, equalled the record one of 1926.

The pack of sockeye amounted to 308,052 cases, compared with an average of 348,442 cases during the past five years.

In the Naas river area the total was 11,986 cases, which is not at all good although this has never been a remarkably productive sockeye district. Considering the fact that a considerable portion of the runs of sockeye heading for the Naas river run the gauntlet of the intensive fishing by traps and seines in southeastern Alaska, in addition to the gear on the Canadian side of the line, it is not considered surprising that the sockeye pack on the Naas is not being maintained.

In the Skeena system the total in the case of sockeye was 83,988 cases, which, particularly in view of the extra measures taken in the way of closed periods, may be considered as quite satisfactory. There would appear to be no reason to anticipate that the supply of this variety in the Skeena system cannot be maintained.

The Rivers and Smiths Inlet district produced a pack of 101,053 cases of sockeye, which is a very satisfactory showing. Owing to the large number of gillnet boats being fished it was necessary to enforce an additional nine hour close period during each week-end of fishing.

The Fraser river again produced an unexpectedly large pack of sockeye, amounting to 57,085 cases. A considerable portion of this was due to the unusually late run similar to that which ascended the river in the late fall of 1926. As the sockeye to the Fraser system are predominantly four year fish, a fair comparison of the pack would be with year 1923, when the total amounted to 29,423. However a more informative comparison would result from the inclusion of the catch in the Puget sound area. In 1923, the brood year, the pack of Puget sound and the Fraser river together was 76,825 cases and in 1927 it amounted to 153,428 cases, an increase of 100 per cent.

The coho pack for the whole province amounted to 162,732 cases, as against an average for the past five years of 158,978 cases.

The total pinks produced in the province amounted to 247,626 cases, compared with the average of the past six years of 524,413 cases. This shows a reduction of 80 per cent compared with the brood year of 1925, when the total was 445,400 cases. The shortage was practically all in the northern district. One suggestion as to the cause of the small runs is that after the eggs were hatched out in the brood year of 1925 the mortality in fry was unusually heavy, or that conditions at sea, between the time the fry left for the salt water and when they returned as mature fish, were such as to permit only a small percentage to survive and return to the streams in which they were hatched. Another suggestion is that very intensive fishing in the areas to the north of the international boundary has resulted in reducing the quantity of pinks hatched in British Columbia streams. It has been demonstrated through tagging operations that pinks pass through the Alaskan waters on their way to the Naas and Skeena districts, and even areas farther south.

The spawning conditions in the pink areas in the brood year of 1925 in the north, and particularly in the Central area, were not considered entirely satis-

factory, and in order that the toll during the year under review might not be such as to further deplete the supply of this variety, unusual precautions were taken by means of extensions of the weekly close seasons, an entire week's prohibition of fishing at the height of the run and early closing at the end of the season. These measures have undoubtedly produced good results, judging from the reports on the spawning areas—apart from the Central area—which have been received from the officers making annual inspections. Undoubtedly the pink situation will require to be well taken care of until it has recovered.

In the Fraser river district the pack of pinks was greater than in the brood year by approximately 3,000 cases, due to an enormous run.

Chums were very plentiful over most of the British Columbia coast during the year and the quantity taken amounted to 563,194 cases, compared with an average during the past five years of 567,741 cases. This total is eminently satisfactory, considering the fact that from two to three weeks of the best chum fishing at the height of the run was cut off, due to the unusual restrictions as a result of the enormous amount of fishing gear in the water. There is no doubt but that had not these unusual restrictions been put into force the pack of chums would have been a record one.

The previous warning to the industry to the effect that continued fishing operations would result in drastic conservation measures did not have the desired effect and each year the quantity of gear in the water has increased, and in addition the methods of operating purse-seines, for instance, have become much more efficacious.

The salmon gill-net licenses have increased during the past four years 53 per cent, salmon trolling 99 per cent, and salmon purse-seines 128 per cent. Obviously this keen and uneconomic scramble for the salmon, if permitted to continue unchecked, would in a very short time result in the serious depletion of the runs. Both the salmon fishermen and cannerymen appear to have finally reached the conclusion that this unreasonable competition can only result in disaster, and there would appear to be good reason to expect that the coming year will see salmon-fishing operations conducted on a more economical and reasonable basis.

The greatest difficulty, of course, is with the pink variety. The sockeye are being well taken care of and the coho and chums usually arrive at the spawning streams at a time when weather and water conditions are such as to permit a reasonable escapement. In the case of the pinks, however, the situation is much more difficult as they often arrive at the spawning streams in the hottest and driest time of the year. If there is not sufficient water in the streams, the salmon play about outside and are an easy prey to seines, unless practically a day and night efficient patrol is provided at every pink spawning stream in the province. With the proposed new measures in the way of cutting off inlets and moving out of boundaries, much assistance will be given towards conservation, but there can never be any assurance that it will not be necessary on short notice to close all fishing for pinks or even any other variety for considerable periods, in order to maintain the supply.

#### HALIBUT

The catch of halibut landed in British Columbia totalled 300,532 cwt. in 1927, as against 315,095 cwt. in the previous year. Statement No. 7 gives the total from 1913 to 1927.

It would not appear that the close season of three months each year during the past three seasons has had the effect of materially reducing the quantity landed.

Indications would seem to warrant the expectation that prices on the reopening of the season next spring will not be particularly attractive to the

fishermen. This is largely due to the fact that the stocks of frozen halibut have not been completely disposed of, and it is not likely that prices for the fresh article will be particularly satisfactory to the fishermen until the stocks of frozen halibut have been sold.

It has been suggested that the reason for the large stocks of frozen halibut is that the market in the east has turned of recent years to the several varieties of filleted fish produced on the Atlantic coast.

#### HERRING

As will be seen by statement No. 8, a very large percentage of the herring caught is drysalted and shipped to the Orient, the principal market being in China. Ten thousand four hundred and sixty-six tons were used in reduction works plants. In the vicinity of 2,000 tons is frozen each year at Prince Rupert, Butedale, Vancouver, and Kildonan for the purpose of bait for the halibut fishing. A smaller quantity is used fresh for the purpose and a comparatively infinitesimal quantity finds its way to the fresh fish markets and the smoke houses. Although efforts have been made to build up a paying business in the canning and also the Scotch curing of this variety, it has not been found profitable.

The interesting statement No. 8 gives the records of the drysalt herring pack from 1918-27. The fluctuation is not necessarily due to lack of supply, but is largely caused by the unstable market conditions in China, due largely to the internal troubles of that country. The supply of raw product naturally has fluctuated from year to year, but there is no evidence that the runs of herring to the British Columbia coast are becoming depleted in any way.

#### WHALING

The two stations at Naden Harbour and Rose Harbour at the northern and southern extremities of the Queen Charlotte Island group were operated again this year, with a catch of 258 whales as against a total of 269 for the preceding year.

Statement No. 10 covers the catch from 1918 to 1927.

#### FUR SEAL SKINS

Statement No. 11 shows a very large fluctuation in catches between the years 1912 and 1927. Prices naturally very materially influence the activities of the Indians, who are the only ones permitted under the Pelagic Sealing Treaty to take fur seal skins. During the last two years, for instance, the prices have averaged about \$8 per skin to the Indians, and in view of such small returns, the weather conditions during the migration of the fur seals, and the profitable business of trolling for salmon, the catch last year fell off 50 per cent. No doubt also the more efficient patrol which was available for the purpose of protecting the fur seals had something to do with keeping the total down.

#### DESTRUCTION OF SEA LIONS

On June 7, the C.G.S. *Givenchy*, equipped with a Lewis gun, long Ross rifles, .22 calibre rifles and .22 and .32 calibre automatic pistols (the smaller firearms being used primarily for the pups) and accompanied by Mr. W. E. Maiden, Secretary of the British Columbia Fishermen's Protective Association, an expert machine-gunner, left for the vicinity of the Virgin and Pearl rocks to again do what was possible during the pupping time of the sea lions to reduce their numbers. Considerable difficulty was again experienced owing to the heavy seas running, which made operations extremely difficult and hazardous, the

rookeries being very low and exposed to the full sweep of the Pacific ocean. Undoubtedly the use of short Lee-Enfield rifles would be much more efficient, in that they are shorter and lighter and more convenient to handle, in comparison with the Ross variety. It has not been possible to date, however, to obtain the Lee-Enfield.

The total number destroyed since the commencement of these operations is as follows:—

| —                    | 1923  | 1924  | 1925  | 1926  | 1927  | Totals |
|----------------------|-------|-------|-------|-------|-------|--------|
| <i>Virgin Rocks—</i> |       |       |       |       |       |        |
| Pups.....            | 649   | 903   | 1,067 | 565   | 635   | 3,819  |
| Adults.....          | 1,111 | 1,333 | 1,520 | 877   | 858   | 5,699  |
| <i>Pearl Rocks—</i>  |       |       |       |       |       |        |
| Pups.....            | 5     | 312   | 102   | 146   | 40    | 605    |
| Adults.....          | 120   | 153   | 138   | 368   | 130   | 914    |
| Totals.....          | 1,885 | 2,706 | 2,827 | 1,956 | 1,663 | 11,037 |

The officer commanding the expedition reports that yearlings and two-year-olds were found to be practically extinct, during the last hunt, which condition he attributes to the large number of pups killed during previous operations. He further states that the rocks were found to be practically monopolized by old sea lions of both sexes, but in numbers considerably less than in previous years. Mr. Maiden states that he observed fresh fish bones on the Virgin rocks on the date of one raid, but that these were not present on the date of the previous one. This he feels to be evidence to show that the sea lions were feeding on fish, although it is understood that during the pupping season these animals do not take food.

A sample of sea lion blood was obtained and forwarded to the Biological Station.

The fishermen in the vicinity again signified their approval of the hunting operations by means of gifts or cigars to the members of the crew.

#### PATROL SERVICE

In view of the immense increase in the number of fishermen and the quantity of fishing gear operated during the year, particularly in the case of salmon, and the resultant keen competition, the difficulties of the patrol service were largely increased and it is felt that if proper measures are to be taken looking to the conservation of our salmon supply, particularly, several of the present overseers' areas must be considerably reduced, and more of these permanent officers appointed. Each should be equipped with an efficient departmentally owned boat and these boats will require to be kept in commission a longer period each season in order that the overseers can give better attention to the immensely important problem involved in the inspection and care of the spawning grounds. During the fishing season the duties in the way of protection and other relative matters consume all the time of the overseers, and it is only after the season is over that it is possible for them to undertake a really satisfactory inspection of the numerous salmon streams in each area.

The inspections by guardians and patrolmen are very often unsatisfactory owing to the fact that these officers are usually new men each year. Obviously their lack of experience and information with regard to conditions of previous years detracts very greatly from the value of their reports. The only hope we have of obtaining satisfactory information is by keeping the overseers and several of the departmentally owned patrol boats on duty for considerably longer periods. Even by that arrangement the inspections cannot be entirely

satisfactory due to the fact that one officer cannot hope to thoroughly examine all salmon streams in his district during the time the salmon are spawning. This task is physically impossible.

Fortunately some seaplane service was provided and although not sufficient, at the same time the moral effect of there being even one plane available to the administration cannot be over-estimated, but if the industry finds that only the limited service which can be expected from one plane is available, it will soon realize the limitations and a considerable portion of the value of the moral effect will be lost. As evidence of the efficacy of the air service in the way of fishery protection, I would refer to the resolution presented at a recent fishermen's meeting in Prince Rupert to the effect that an adequate air service should be provided by the department for the protection of the fisheries, as the fishermen themselves felt it to be the most effective arm of the service.

The lowest possible minimum service consistent with reasonable results would be two planes capable of service at all times, which would obviously necessitate a third in reserve. Commencing with the opening of the fishing in the north, one plane is required with headquarters at Prince Rupert and another with headquarters in the vicinity of Swanson bay. Later one of these could probably be transferred to the Queen Charlotte island area and the other farther south to possibly Alert bay or Quathiaske cove. Much, of course, depends upon the class of aircraft used and it is necessary to have considerable speed, a high ceiling and the ability to withstand a certain amount of sea.

The service provided during the past year was fifty flying hours to start with, which amount was later increased by 42 hours, 2 minutes, making a total of 92 hours, 2 minutes. The distance travelled was approximately 5,223 miles.

The boat patrol service was taken care of by twenty-two Departmentally owned power boats, ninety chartered power boats and twelve row boats. The *Malaspina* during the season logged 18,958 miles and the *Givenchy*, 16,190. The latter boat was again used in connection with lifesaving on the west coast of Vancouver island with headquarters at Bamfield.

One of the patrol boats owned by the department, the *F.P.L. Cloyah* was destroyed as a result of an explosion in the engine room. The crew were fortunate in being able to make their escape in the tender, the engineer suffering severe burns about the face and hands.

For the purpose of replacing worn out patrol boats, tenders were called for three fifty-two footers powered with sixty-five horse-power Thornycroft reduction geared gas engines. It is hoped that by using this variety of engine there will be much less vibration and that the noise of the exhaust will not be such a handicap as in the case of the Diesel power boats. In these cases the exhaust can be heard a very considerable distance and is a warning to those breaking the fisheries regulations and gives them an opportunity to escape. It is also expected that the greater cost of fuel for the reduction geared gasoline engines will be more than offset by the lower cost of replacements in engine parts.

These three boats were designed and specifications prepared by Mr. J. W. Allen, Gas Engine Foreman, whose duties include looking after the annual overhaul and upkeep of the patrol boats, as well as seeing that the chartered boats give their proper performance. His knowledge is also utilized by other departments of the Government.

#### REGULATIONS

As was expected the salmon fishing particularly during the year became more intensive than ever in the past and this fact called for extraordinary measures to the end that a satisfactory supply of parent salmon might be permitted to reach the spawning grounds.

It became necessary to increase weekly close seasons for sockeye fishing in the northern areas from forty-eight to a total of fifty-seven hours on the Skeena river for two week ends, and during the whole of the fishing season on Rivers and Smiths inlets. For the purpose of saving the run of pinks which showed evidence of being light, a special close period from August 26 to September 4 was applied to all fishing gear, apart from salmon trolling in the whole of the province, with the exception of that area through which the salmon proceed in passing to the Fraser river spawning grounds.

At the end of the season, in order to save a reasonable quantity of chums and cohoes for the spawning areas, fishing in all of District No. 2 was finally stopped on September 23, with the exception of the Queen Charlotte Islands, where the date was set at October 7. These dates compare with October 15 and October 22 respectively in the previous season, the time allowed for fishing being reduced in 1927 by approximately three weeks.

In District No. 3 in addition to the special close period from August 26 to September 4, all fishing was closed from two to three weeks earlier at the end of the season.

The result of the above closures was that a comparatively satisfactory quantity of pink salmon were able to pass up to the spawning grounds, with the exception of certain portions of the Central area and in the Naas. An examination of the spawning grounds of the Skeena watershed showed a very considerable run of pinks had either succeeded in passing up the river during the special close season or were very late in arriving, which permitted their reaching the spawning areas.

An excellent supply of chums and cohoes was saved for the spawning streams over the whole province, with the exception of some of the streams on the Queen Charlotte Islands. The inspector for District No. 3 reports that the run of chums was unusually heavy through his district, particularly in certain portions of the west coast of Vancouver island, where the quantity was the largest on record.

On the Fraser river and in the waters through which salmon are obliged to pass heading for the Fraser, and the immediate vicinity, the weekly close period was increased from time to time very materially resulting in reasonably good spawning conditions.

There is no doubt but that had not these unusual precautions been taken the huge quantity of gear in the water and the intensity with which it was fished would have resulted in a very serious situation. The inspection of the spawning areas, however, showed that the extra restrictions had obtained the desired result.

If the industry continues to place such huge quantities of gear in the water, then the fishing restrictions must be greatly increased, even at the expense of profits to fishermen and canners. The fish must be given the benefit of the doubt from a conservation standpoint. In any event, it is imperative that certain inlets be cut off entirely, that salmon purse-seines be reduced in size and that all fishing be kept farther out from the mouths of streams.

#### VIOLATIONS OF FISHERY REGULATIONS

There were one hundred and sixty-six prosecutions entered for violations of the fishery regulations during the season. Particulars of these will be found in appendix No. 8.

#### POWER BOATS IN SALMON GILL-NET FISHING DISTRICT NO. 2

Although there was an increase of 549 salmon gill-net licenses issued in District No. 2, the number of power boats used in these operations increased



only 45, being 630 as against 576 for the preceding year. The above total compares with 85 only used in 1924. Only white British subjects and Canadian Indians are permitted to operate power boats in District No. 2 in salmon gill-net operations.

#### CLEARING OBSTRUCTIONS IN SALMON STREAMS

Each season as this work is extended the necessity for it becomes more apparent. An endeavour is made to have a thorough examination of every salmon stream in the province once a year, but this has been found very difficult owing to the fact that officers are required to supervise such large districts, and the conditions in the wild country through which the inspection has to be conducted are so arduous as to consume a great deal of time and is expensive. Every obstruction which is reported either by the fishery officers or the fishermen or from any source is immediately investigated and if it is possible for the local officer to do what is necessary, his instructions are to always take out the obstructions. If however, assistance is required such is provided in the way of men, powder or other facilities, and if the conditions warrant, an inspection is made at the first opportunity by one of the engineers and arrangements made for the most practical way of dealing with the situation. Much time is lost, however, in inspections resulting from reports by people who are not sure of their information. Again, log jams for instance which would appear to many observers to be an obstruction to the ascent of salmon often prove to be just the reverse, and while not impeding the progress of the parent fish to the spawning grounds, are often a protection to the young fish coming down and serve also as collectors of food for the young.

At Hells Gate canyon in the Fraser river conditions since the clearing away of the slide which occurred in 1913 have remained unchanged and those who have been in the best position to know, have felt that the salmon runs have all succeeded in passing up to their spawning grounds, although, due to unfavourable stages of the water, there may have been hours or even days when they were delayed. In spite of several reports to the effect that the fish were permanently blocked, or were so badly damaged at the Gate as to prevent their reaching the spawning grounds in fit condition there would appear to be no doubt but that the salmon did get through this obstruction, at least, until the very last runs of the seasons 1926 and 1927. In fact, there is every reason to believe that all the 1926 run succeeded in passing this point. However during the last two seasons there has developed an unusually late run of sockeye which has arrived at Hells Gate in a very advanced stage towards spawning. The condition of this run in the fall of 1927 was found to be even worse than that of the preceding season and whilst there was no unassailable evidence to justify the conclusion that any run was permanently prevented from ascending, there is very considerable doubt as to whether the latest run of 1927 did actually succeed. It has been suggested that the lack of male fish in the Kakawa lake spawning area for instance, which is tributary to the Coquihalla system, is evidence that they were probably able to pass Hells Gate, but that the female, being weaker, were obliged to turn back and passed up to the Kakawa lake spawning grounds. It is hoped that investigations will divulge the facts in this matter in the very near future.

Following the experiences of 1926 it was felt that in order that there might be absolutely no doubt as to conditions at Hells Gate being as good as they could possibly be made for the ascent of salmon, the department arranged for a board composed of civil engineers in the employment of the several branches of the federal and provincial governments in British Columbia to study the situation and advise as to whether in its opinion conditions could be improved. Obviously, considerable time is required for such a study in order that it may

be thorough and the results conclusive. It is expected that early in the season of 1928 a report from the board will be available to the department. The engineers' report in more detail will be found in appendix No. 4.

#### MEETING OF OVERSEERS

The practice of gathering together before the fishing season each year all the inspectors, overseers and a number of guardians for a conference of several days at the office of the chief inspector in Vancouver is proving its value more and more each season, and it is the intention to continue these meetings.

#### FISH MEAL AND OIL OPERATIONS

Four additional licenses for reduction works plants were issued during the year, making a total of twenty-seven in all. This business has proved to be fairly profitable generally speaking and should continue to be one of the most important branches of the fishing industry of the province. Pilchards again composed a very great percentage of the raw product processed, although herring were permitted to be used for this purpose up to December 31 on the west coast of Vancouver island, north of Barclay sound, and in District No. 2. In addition the offal from salmon canneries and freezing plants as well as whale carcasses are used in these operations.

An earnest effort was made by several of the operators to obtain their supply of pilchards in the open seas, instead of waiting for them to enter inlets as has been done heretofore. Fishing outside, however, requires specially equipped boats and unusually strong gear, but due to weather conditions the experiments were found to be unprofitable.

Statement No. 9 shows the total production of fish meal and oil since 1920.

#### MARINE WAYS AND WAREHOUSE

The department maintains a well-equipped machine shop and ways on the Fraser river at Poplar Island, New Westminster, where many of the departmentally owned boats receive their annual overhaul and are repaired from time to time during the season. It has been found that the facilities so provided have been the means of saving a good deal of money and have increased the efficiency of the service generally. The patrol boats of the Fraser river use the floats at this station and some others from outlying points are also laid up there when out of commission. This, of course, does not apply to the boats of the northern district, which are brought at the end of the season to Digby island at Prince Rupert. Unfortunately, however, at that point there is no adequate accommodation provided for the protection of the department's valuable fleet, and it is hoped that in the very near future proper facilities will be provided.

#### UNNATURALIZED WHITE RESIDENT FISHERMEN

The department's policy which permits white immigrants who have recently come to the country to take out fishing licenses on the production of the proper evidence to the effect that they are in fact permanent residents and will become naturalized just as soon as the law will permit has resulted in, up to the end of 1927, the issuing of 1,046 such licenses, to 940 fishermen.

#### SPORT FISH

The protection of the sport fish, particularly in the interior of the province, is becoming more difficult each year, due largely to the opening up of good motor roads and the resultant increased tourist traffic in the province. With

the machinery at present available, it is absolutely impossible to adequately protect the fish of the interior waters. The proper organization in the way of overseers or guardians, or both, will undoubtedly materially increase the expense of the British Columbia administration, but such additional expense is absolutely imperative if this valuable asset is to be properly conserved.

#### SPECIAL INQUIRY INTO SALMON FISHING CONDITIONS

As a result of conditions brought about by the excessive amount of salmon fishing gear in the water which caused very necessary curtailment of fishing operations for purposes of conservation, the industry, both fishermen and canners, felt that conditions warranted approaching the department with a view to the appointment of a commission to inquire into the British Columbia situation. It was contended that under the conditions existing salmon fishing operations were proving unprofitable to both fishermen and canners.

It was felt, however, by the department that the time was not opportune for the appointment of a commission, particularly in view of the fact that the federal authority with regard to control of certain branches of the fishing industry had been challenged and the question referred to the Supreme Court of Canada for an opinion. It was decided, however, that as the Director of Fisheries was on the coast at the time, he should arrange for public hearings with a view to enabling all those interested to express their views on certain specific proposals which were finally submitted by certain canners who approached the department on behalf of the Salmon Canners' Association.

The delegation composed of fishermen and canners who approached the department explained that, while it might be expected that those engaged in fishing operations should remedy the situation themselves, they found it impossible under the existing regulations to agree on any plan, but expressed confidence that in the light of the season's experience the fishermen, as well as canners, would favour certain modifications in the regulations which, while not involving refusal of licenses to any, would enable the industry to do its utmost, at its own instance, to make reasonable reductions in the amount of equipment used, and otherwise reduce the cost of operations.

The delegation felt that this could be done if the regulations included provisions to the following effect:—

- (1) That the coast of British Columbia be divided into fishing areas of such proportion as to support the plants in these areas.
- (2) That the maximum amount of gear to be fished in each area before additional weekly or annual closed season would be added be stated in the regulations.
- (3) That salmon—except the catches of trollers or fish for export, fresh fish markets or cold storage—be processed in the area in which it is caught.

With a view to obtaining the opinion of the industry generally on the above three proposals, meetings were held at Prince Rupert, Alert Bay, Campbell River, Union Bay, Nanaimo, Port Alberni, Pender Harbour, Vancouver, and New Westminster.

No definite action was possible, however, by the department before the expiration of the calendar year, in view of the fact that the Prince Rupert fishermen asked for more time for consideration of the several proposals.

#### TAGGING OF SALMON

The information which is obtainable from the tagging of salmon is of such immense importance that the program should, without delay, be extended to cover all varieties of salmon and at as many favourable points as it is possible

to obtain the fish. Each season the necessity for obtaining such information becomes more apparent, and the result of a really comprehensive system as above suggested would enable conservation measures to be taken in a much more intelligent manner. The importance of this matter cannot be too strongly stressed.

#### STAFF

During the year the following was the personnel employed in the administration of the fisheries in the province of British Columbia:—

|                                    |       |
|------------------------------------|-------|
| Inspection and clerical staff..... | 28    |
| Overseers.....                     | 18    |
| Guardians.....                     | 36    |
| Patrolmen and boat crews.....      | 214   |
| Fish culture.....                  | 73    |
|                                    | <hr/> |
|                                    | 369   |

#### REPORT ON SALMON SPAWNING AREAS, BRITISH COLUMBIA

##### *Queen Charlotte Islands*

At Masset inlet, Naden harbour and the north coast of Graham island generally, the water conditions when the salmon arrived were favourable. The sockeye run, which in this area is an early and small one, was normal and appeared to reach the spawning grounds somewhat earlier than usual. This being the off year for pinks there was no showing of this variety. Chum salmon were late in arriving which fact, added to the unusual early closing of the commercial fishing, enabled very satisfactory quantities to reach the spawning grounds.

At Skidegate inlet several of the streams were fairly well seeded, but on the whole the quantities reaching the spawning areas were not satisfactory.

Along the east coast of the Queen Charlotte islands south of Skidegate, the supply of salmon reaching the spawning areas was, in the opinion of the inspecting officer, not sufficient.

##### *Nass River Area*

The annual inspection of the Meziaden watershed of the Nass river revealed evidence of a very small run of early sockeye. A late run, however, materialized, which, with the favourable water conditions present, will provide a fair natural seeding, but it is doubtful whether it will offset the lack of early salmon.

The spring salmon run also was not up to the average and the fish appeared to be smaller in size than usual. Cohoes had not arrived in appreciable numbers at the time of the inspection. Climatic conditions appeared to be about one month later than usual.

The pink run to the lower areas of the system was very light.

##### *Skeena River Area*

The examination of the Babine Lake district, which is the main spawning area of the Skeena watershed, showed quite a good supply of sockeye. At Morrison Creek, for instance, on which the hatchery is situated, the run was estimated by the superintendent to be 25 per cent greater than that of the previous year. An examination of the sockeye streams tributary to Babine lake showed conditions on the whole quite satisfactory.

At Lakelse Lake conditions were found to be far from satisfactory and it was not possible to obtain sufficient sockeye eggs to fill the hatchery. It is difficult to account for this situation unless it was due to the particular tribe of salmon heading for Lakelse arriving in Chatham sound and Skeena river at the height of the fishing season and being mostly caught. From conditions found on the Lakelse spawning grounds in the brood years the small return was not expected.

In the case of pink salmon the catch in the river and Chatham sound was very considerably below normal. An examination of the spawning grounds in the Babine river, however, which is probably the most important area from the standpoint of this variety, showed them to be unusually well seeded with pinks. The guardian states that while the usual portion of the river used by these salmon was probably more heavily seeded than during the last few years, additional areas of the river were also heavily seeded so that the run of pinks to the Lower Babine during 1927 was the greatest that he had ever known.

The supply of cohoes was well up to the average.

#### *Central Area*

The sockeye running to this area are mostly of the creek variety utilizing the numerous small streams which drain a limited area. During the period of dry weather these streams dry very rapidly and conditions as a result for fish ascending to the spawning grounds are very difficult, and at times impossible, necessitating drastic regulations to prevent the runs being depleted.

The overseer reports that the sockeye run on the whole has been satisfactory, and that the coho streams were well seeded. Due probably largely to the unusual amount of close period enforced during the year, very considerable quantities of chums were enabled to ascend the streams. In the case of pink salmon however, the supply was very disappointing and few streams only can be said to be well seeded. This condition will require special attention during the fishing season of 1929.

#### *Bella Coola and Kimsquit*

The run of sockeye to the Bella Coola portion of the district was again good during the year. It was later than usual, however in reaching the lakes. The supply each year since 1924 has been good. At Kimsquit, however, the sockeye run is reported as having been considerably below average. The spawning areas were not well seeded.

The run of springs was late at Bella Coola and although there was not a large quantity caught, yet there was a very satisfactory escapement to the spawning grounds. This condition was no doubt partly due to the early closing of fishing. The supply of this variety in the Kimsquit river was not satisfactory.

It is estimated that the supply of coho ascending the rivers at the head of Bella Coola and Kimsquit was not sufficient to adequately seed the respective spawning areas.

In the case of pinks there was a reasonably good showing at the head of Burke channel, but an inadequate supply at the head of Dean.

The run of chums was not good to either of these points.

The fluctuation in the supply of salmon at these two points is affected very materially by unusually severe freshets which cause the rivers to frequently change their course and which often scour out the spawning grounds.

The conditions in the lower portions of both Burke and Dean channels are such as will necessitate some further action looking to conservation.

#### *Rivers Inlet Area*

This is primarily a sockeye area and the usual inspection justifies the statement that the spawning grounds were well seeded with this variety. In spite of the intensive fishing in the Inlet the run is being satisfactorily maintained and there would appear to be no reason to fear depletion.

#### *Smiths Inlet Area*

There appears to be no doubt but that the supply of sockeye reaching the spawning grounds in Smiths inlet during the season has been eminently satisfactory and with the present fishing regulations and boundaries there should be no fear for future supplies.

*Alert Bay District*

The main sockeye areas are the Nimpkish river and Glendale cove. Notwithstanding the intensive fishing by purse-seines and drag-seines at Nimpkish restrictions in force each year are resulting in large quantities reaching the spawning grounds. The season under review was no exception and although the pack of this variety amounted to approximately 9,000 cases an abundance of fish safely passed up the river. At Glendale cove the supply was not so satisfactory.

Water conditions in the area generally resulted in the streams being sufficiently high to permit all varieties of salmon to pass up to the spawning grounds instead of being delayed at the mouths of creeks. The runs of pinks on the whole were light. Conditions, however, were better in the case of coho and also the chum salmon. The early closing undoubtedly had the effect of permitting an abundant supply of both these varieties reaching their spawning grounds.

*Quathiaski District*

This is not an important sockeye area although there is a run to Phillips arm, Port Neville and another to Hayden bay, the latter being composed of very small fish, however. The supply was light. The run of cohoes cannot be said to be satisfactory, although good at Orford river at the head of Bute inlet where the gillnet fishermen had a successful season. The supply of pinks at Orford river is reported by the overseer as the best he has seen in that district. In other portions of the area, however, the supply of this variety was not satisfactory.

To such rivers as the Homalko, Orford, Village Bay, Hayden Creek, the supply of chums was very good. In other portions of the district, however, conditions were not satisfactory.

*Comox District*

This is not a sockeye area. In the case of the cohoes, the spawning grounds were not well seeded with the exception of the Puntledge and Tsolem rivers. This was the off year, however, for pinks and no run of any material size was expected. Quite a satisfactory supply of springs passed up the Puntledge river and the fishway in the stream at the outlet of Comox lake appeared to be no obstacle to the ascent. The chum supply was good in the Puntledge river, Waterloo creek, Cooks creek, Big Qualicum river and Englishmen's river.

It is expected that the new regulations which will be enforced in the Comox area will result in a greater supply of the several varieties reaching the spawning grounds.

*Pender Harbour District*

This is not a sockeye area apart from a small run proceeding to Saginaw which apparently is being well maintained. The supply of pinks on the whole was good and there would appear to be no doubt but that a portion of the large run coming north through Puget sound in the odd number years proceeds to the Pender Harbour district, particularly to the vicinity of Jervis inlet. The overseer observes that at Toba inlet, Theodosia arm and in two of the streams in Jervis inlet the run can be said to have been far better than any since 1924, which is the year he assumed patrol of the district. Owing to the continued heavy rains throughout the season the pinks were able to ascend the streams easily and the catches by the purse-seines were lighter than usual, as the fish did not school up at the mouths of the creek as is the case in the dry weather.

The run of chums on the whole was also a good one and the high water in the streams permitted an abundance of fish to reach the spawning grounds. This also applies to the cohoes.

*Nanaimo District*

The inspecting officer reports that, generally speaking, the run of cohoes and chums was better than any season during the past ten years. Heavy runs and the early closing regulations permitted large quantities to ascend to the spawning grounds. The supply of spring salmon and steelhead trout was also satisfactory.

*Cowichan District*

The supply of spring salmon running to the Cowichan river was below normal. This fact is attributed in part at least to the water conditions in the river four years previously, when the Cowichan and all streams in the district were abnormally low. In that year the superintendent of the Cowichan Lake hatchery was obliged to come down as far as Duncan for spring salmon eggs as no fish could pass above Skutz falls. During the next three years however, the run of springs has been good and the water conditions also satisfactory.

The supply of the several varieties of sporting fish is reported as having been excellent.

*Sooke District*

A satisfactory supply of chums and cohoes reached the several streams in this area and were able to pass up to the spawning grounds. The local guardian reports the supply as being heavier than for the past three or four seasons.

*Alberni District*

This area includes Stamp river and Sproat river, Anderson river in Barclay sound, and Hobarton and Cheewat rivers in Nitinat inlet, all of these being frequented by sockeye. The overseer reports the season as being a banner one for the district. 79,069 sockeye were canned and some 12,000 fish of this variety were shipped to Vancouver for processing. Undoubtedly this desirable condition has been brought about by the efforts of the department in the way of fishery regulations, coupled with fish culture. The runs of sockeye to the Sproat and Stamp rivers has been increasing very materially of recent years and in view of the fact that an adequate fishway has been installed at the Stamp River falls there is every reason to believe that there will always be a very good run of this variety to the district. The supply reaching Anderson lake where the hatchery is situated was estimated by the superintendent at 80,000 spawning fish, a most encouraging figure.

The run of spring salmon was the best in years, the supply of cohoes also being good. In the case of the chums, in spite of the season being closed two weeks earlier than usual the record total of 1,155,569 fish was taken. The streams were in good condition and the salmon had no difficulty in ascending to their spawning grounds.

The streams flowing into Nitinat inlet were generally speaking well supplied with salmon.

*Clayoquot Sound*

The main stream is the Kennedy river draining Kennedy lake, where a hatchery is maintained. For some reason or other there was a small supply of sockeye on the spawning grounds. The pack taken by the several seines operating in Clayoquot sound opposite Kennedy river accounted for a little over 4,000 cases which is an average pack for the district. It would appear that four years hence unusual methods must be taken to further protect this run.

Practically all the streams in the Clayoquot sound area were heavily seeded with both cohoes and chums. Altogether it would appear to have been an eminently satisfactory season from the standpoint of spawning fish. The overseer comments that the quantity of chums was the largest ever observed in that district. This is not a pink area.

*Nootka District*

The fall varieties are the only ones frequenting this area apart from a small run of sockeye to Gold river. The supply of springs on the spawning grounds of the Burman and Gold rivers was satisfactory. Other portions of the district, however, were not so good. The coho supply was not up to average apart from such points as Deserted creek, Tahsis river and Queens cove.

In the case of chums the run was a heavy one to practically all streams. This is not a pink area.

*Kyuquot Sound District*

No sockeye run to this district apart from the stream at the head of Ou-Ou-Kinch inlet where a very fair run was observed between May and August, and Easy creek, where only a few were observed.

The supply of spring salmon was considerably below normal and unsatisfactory. The same might be said of the coho. In the case of chums, however, a good supply reached the spawning grounds. This is not a pink area.

*Quatsino District*

There are no sockeye in this area apart from a few of the early creek variety. The supply of cohoes was only fair. The chums, however, although light at first, finally developed into a good run, which owing to the high state of the streams, and the early closing of fishing were able to reach their spawning grounds.

*Fraser River Watershed*

The officers in the Stuart lake area, while not reporting any large body of sockeye, undoubtedly observed a quantity which was a fair average of the last five years. The greatest number appear to have passed up to Trembluer and Takla lakes, tributary to the Stuart.

In the Francois Fraser lake system there have been very few sockeye observed for years, and the officer reporting for the season under review mentions schools of from four to fifty at separate points. The number can be considered a fair average.

In the Quesnel lake system conditions were found to be better than usual. During the past two or three years indications have justified the conclusion that the quantity of spawning fish was increasing, although compared with the huge runs of the big years previous to the slide at Hells Gate, the quantities observed in recent seasons are infinitesimal. However, during the fall of 1927 our inspecting officer, instead of reporting schools of twenty, thirty and forty as reported during previous years, observed as many as 3,000 sockeye in one hole in the Horsefly river in the vicinity of Black creek, some thirty miles above Quesnel lake. He estimates that he personally saw between six and seven thousand fish during his inspection which is a much more encouraging report than has been received since the big runs.

The Chilco area shows no improvement over recent years. The Shuswap area again received a very good supply of spawning sockeye in the Adams and Little river districts. The run was again late and while not as large as the preceding year was most encouraging. No sockeye were observed above the Adams river. Indications along the shores of the south Thompson river were better than for a good many years, one large ranch owner stating that it was the first season for a considerable number of years that he has been obliged to prevent his hogs approaching the river owing to the fact that there were such large quantities of dead salmon along the shores.

At Bridge River canyon in the Fraser the guardian reports that no unusually large run of sockeye passed through his area, notwithstanding the large quantities which have been observed from time to time until quite late in the season at Hells Gate. The fishway which was recently improved is proving an entire success.

At Hells Gate sockeye salmon were observed on the 14th of July for the first time, this season, and from time to time arrived in considerable quantities



until very late in the season—in fact sockeye were observed below Hells Gate as late as December 14. There appears to be no reason to doubt that these all passed up beyond Hells Gate with possibly the exception of the very latest runs which arrived in a very advanced condition and appeared to be very weak. Although an unusually careful watch was maintained there was no evidence found to warrant the statement that the conditions at the Gate obstructed the passage of fish at any time permanently. As has always been the case, there are hours or days when, owing to the stage of the water at that time, salmon are delayed but they have finally succeeded in passing through. It will be remembered that in the fall of 1926 a similar run of late sockeye in an advanced stage reached Hells Gate but succeeded in passing through and were later observed on the spawning grounds of the Adams and Little Rivers in the Shuswap area.

It has been suggested that the unusually large quantity of sockeye observed in Kakawa lake and creek which are tributary to the Fraser through the Coquihalla were some which had found conditions at Hells Gate too difficult and returned to the Coquihalla exhausted. As confirmation of this contention it has been pointed out that 99 per cent of this variety observed in the Kawkawa lake district were females. The suggestion is that the males, being stronger than the females, were able to make the ascent, whereas the females were obliged to back down to the Coquihalla. This suggestion is not concurred in by those who have had most experience with fish culture operations, and it has always been understood that the sockeye will continue to battle their way up stream until they either succeed or die. An effort is being made to determine just what merit there is in the contention that this year's Kawkawa fish are those which had returned from Hells Gate. Additional weight is given to this suggestion as it has been stated that the sockeye which appeared this year at Kawkawa lake are from a pound to a pound and a half heavier than the native fish.

The Cultus and Chilliwack lake system showed an unusually large run of sockeye, particularly the former, where over 80,000 spawning fish were passed over the hatchery fence, all being allowed this year to spawn naturally. The same satisfactory conditions existed in this locality with regard to pinks, although the supply of chums and cohoes was not so good.

At Harrison lake there was no large quantity of sockeye observed although nearly four million eggs were obtained from those arriving in the vicinity of the hatchery. These eggs were transferred to Cultus lake to be brought back when eyed and planted in the Morris creek district. At Morris creek the run was disappointing. On the other hand there was a large run of pink salmon in the Harrison district and a very satisfactory supply of springs.

In the Pitt lake district the superintendent of the hatchery reports that the run of sockeye to the system was at least 25 per cent larger than for many years, and all the spawning grounds were well seeded. Conditions were not so satisfactory, however, in the case of the other varieties of salmon.

In the Birkenhead system where a hatchery is maintained, there was the usual large run of sockeye and there were no indications which would justify anything but optimistic expectations for the future.

In the Howe sound and Burrard inlet areas there was a very large run of pink salmon, unusually large for even the big year. The run proceeding to Indian river was not fished after entering Burrard inlet. The spawning grounds in both areas are heavily seeded. The supply of chums and cohoes was a fair average of recent years, the chums particularly being very numerous on the spawning areas at the head of Howe sound, due no doubt largely to the early closing of the fishing.

The run of pink salmon generally to the Fraser river, Burrard inlet and Howe sound, also Jervis inlet areas, which mostly passes through the straits of Juan de Fuca, was an excellent one.

## WHOLE PROVINCE—\*1876 to 1927

STATEMENT No. 1

86

MARINE AND FISHERIES

| Year | Number of canneries operated | Number of salmon licenses issued |       |      |      |      | Sockeye   | Red Spring        | Pink Spring         | White Spring | Blue-backs | Steel-heads | Cohoos | Pinks   | Chums        | Totals    |
|------|------------------------------|----------------------------------|-------|------|------|------|-----------|-------------------|---------------------|--------------|------------|-------------|--------|---------|--------------|-----------|
|      |                              | G.N.                             | Troll | P.S. | D.S. | T.N. |           |                   |                     |              |            |             |        |         |              |           |
| 1876 | 3                            |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 9,847     |
| 1877 | 4                            |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 67,387    |
| 1878 | 10                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 113,601   |
| 1879 | 9                            |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 61,093    |
| 1880 | 9                            |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 61,849    |
| 1881 | 12                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 177,276   |
| 1882 | 18                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 255,061   |
| 1883 | 24                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 196,292   |
| 1884 | 17                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 141,239   |
| 1885 | 9                            |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 108,517   |
| 1886 | 17                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 161,264   |
| 1887 | 20                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 204,083   |
| 1888 | 21                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 184,040   |
| 1889 | 28                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 414,294   |
| 1890 | 32                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 408,978   |
| 1891 | 26                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 314,893   |
| 1892 | 27                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 228,470   |
| 1893 | 37                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 590,229   |
| 1894 | 32                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 494,371   |
| 1895 | 36                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 566,395   |
| 1896 | 47                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 601,570   |
| 1897 | 54                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 1,015,477 |
| 1898 | 51                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 484,161   |
| 1899 | 59                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 732,437   |
| 1900 | 64                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 585,413   |
| 1901 | 73                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 1,236,156 |
| 1902 | 66                           |                                  |       |      |      |      | 531,436   | Springs and Fall: |                     |              |            | 94,546      |        |         |              | 625,982   |
| 1903 | 59                           |                                  |       |      |      |      |           |                   |                     |              |            |             |        |         |              | 473,674   |
| 1904 | 51                           |                                  |       |      |      |      | 323,226   | 35,421            | (Red & Wh. Springs) |              |            |             | Fall:  | 107,247 |              | 465,894   |
| 1905 | 67                           |                                  |       |      |      |      | 1,080,673 | 28,359            | (Red & Wh. Springs) |              |            |             | 44,458 | 13,970  |              | 1,167,460 |
| 1906 | 64                           |                                  |       |      |      |      | 459,679   | 31,261            |                     | 1,083        |            |             | 69,132 | 68,305  | (Pks. & Ch.) | 629,460   |

|           |    |       |       |     |     |    |         |        |        |           |           |           |         |                      |         |
|-----------|----|-------|-------|-----|-----|----|---------|--------|--------|-----------|-----------|-----------|---------|----------------------|---------|
| 1907..... | 58 |       |       |     |     |    | 314,074 | 23,159 |        | 2,939     |           | 683       | 87,900  | 118,704 (Pks. & Ch.) | 547,459 |
| 1908..... | 52 |       |       |     |     |    | 355,023 | 25,433 |        | 2,731     |           | 1,137     | 81,917  | 76,448 (Pks. & Ch.)  | 542,689 |
| 1909..... | 72 |       |       |     |     |    | 840,441 | 18,218 |        | 799       |           |           | 61,918  | 46,544 (Pks. & Ch.)  | 967,920 |
| 1910..... | 58 |       |       |     |     |    | 565,915 | 19,313 |        | 9,476     |           | 140       | 74,382  | 34,613               | 58,362  |
| 1911..... | 59 |       |       |     |     |    | 383,509 | 38,751 |        | 9,705     |           |           | 119,807 | 305,247              | 91,951  |
| 1912..... | 57 | 3,640 |       | 92  | 139 | 12 | 444,762 | 62,345 |        | 18,092    |           |           | 165,309 | 247,743              | 58,325  |
| 1913..... | 78 | 4,782 |       | 74  | 124 | 17 | 972,178 | 37,433 |        | 3,616     |           |           | 69,822  | 192,887              | 77,965  |
| 1914..... | 63 | 4,857 |       | 61  | 107 | 12 | 536,696 | 32,908 |        | 16,420    |           |           | 120,201 | 220,340              | 184,474 |
| 1915..... | 63 | 4,951 |       | 61  | 109 | 12 | 476,042 | 51,734 |        | 6,370     |           | 2,927     | 146,956 | 367,352              | 82,000  |
| 1916..... | 72 | 4,600 |       | 80  | 115 | 10 | 214,789 | 51,231 |        | 15,495    | 3,096     | 5,986     | 183,623 | 280,644              | 240,201 |
| 1917..... | 94 | 5,286 | 1,370 | 99  | 136 | 16 | 339,848 | 48,630 | 27,646 | 11,740    | B.B.&S.H. |           | 157,589 | 496,759              | 475,273 |
| 1918..... | 88 | 5,073 | 1,786 | 122 | 127 | 24 | 276,459 | 65,535 | 41,819 | Pk. & Wh. | 15,916    | B.B.&S.H. | 191,068 | 527,745              | 497,615 |
| 1919..... | 82 | 4,598 | 2,260 | 139 | 104 | 21 | 369,445 | 73,179 | 9,077  | 18,295    | 24,323    | 4,493     | 175,670 | 346,639              | 372,035 |
| 1920..... | 65 | 4,761 | 1,855 | 155 | 45  | 19 | 351,405 | 95,983 | 8,441  | 13,877    | 8,061     | 2,395     | 101,972 | 520,856              | 84,626  |
| 1921..... | 56 | 4,777 | 1,452 | 59  | 35  | 8  | 163,914 | 36,725 | 6,061  | 6,966     | 7,060     | 1,220     | 117,288 | 192,906              | 71,408  |
| 1922..... | 64 | 4,491 | 1,513 | 143 | 36  | 4  | 299,614 | 21,163 | 11,913 | 6,520     | 6,431     | 1,657     | 102,845 | 581,979              | 258,201 |
| 1923..... | 61 | 3,957 | 1,446 | 223 | 31  | 6  | 334,647 | 17,539 | 4,858  | 4,745     | 7,097     | 1,760     | 112,044 | 440,932              | 418,055 |
| 1924..... | 62 | 3,696 | 1,553 | 242 | 32  | 6  | 369,601 | 18,741 | 2,591  | 6,460     | 4,267     | 1,843     | 115,944 | 657,561              | 570,497 |
| 1925..... | 65 | 4,225 | 1,821 | 329 | 37  | 19 | 392,643 | 39,142 | 4,419  | 29,938    | 10,675    | 1,996     | 188,505 | 445,400              | 607,904 |
| 1926..... | 76 | 4,750 | 2,416 | 445 | 41  | 6  | 336,995 | 41,276 | 4,177  | 23,736    | 19,445    | 2,165     | 162,449 | 772,993              | 701,962 |
| 1927..... | 76 | 5,637 | 3,093 | 555 | 46  | 7  | 308,032 | 34,029 | 8,819  | 16,129    | 20,820    | 1,746     | 161,148 | 247,617              | 562,109 |

NOTE.—Licenses issued 1923, 1924, 1925, 1926 and 1927 include transfers from one district to another.

\*For the years 1876 to 1901 and 1903—particulars of varieties not available—practically all sockeye.

# PACK OF CANNED SALMON ON THE NAAS RIVER—\*1876 TO 1927

STATEMENT No. 2

88

MARINE AND FISHERIES

| Year | Number of canneries operated | Number of salmon licenses issued |       |      |      |      | Sockeye | Red Spring        | Pink Spring      | White Spring | Blue-backs | Steel-heads | Cohoos | Pinks | Chums | Totals |
|------|------------------------------|----------------------------------|-------|------|------|------|---------|-------------------|------------------|--------------|------------|-------------|--------|-------|-------|--------|
|      |                              | G.N.                             | Troll | P.S. | D.S. | T.N. |         |                   |                  |              |            |             |        |       |       |        |
| 1876 |                              |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       |        |
| 1877 |                              |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       |        |
| 1878 |                              |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       |        |
| 1879 |                              |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       |        |
| 1880 |                              |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       |        |
| 1881 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 7,700  |
| 1882 | 2                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 16,100 |
| 1883 | 2                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 20,383 |
| 1884 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 8,500  |
| 1885 |                              |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       |        |
| 1886 |                              |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       |        |
| 1887 |                              |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       |        |
| 1888 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 12,318 |
| 1889 | 3                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 19,410 |
| 1890 | 3                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 23,906 |
| 1891 | 3                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 10,323 |
| 1892 | 3                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 25,434 |
| 1893 | 3                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 15,190 |
| 1894 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 19,587 |
| 1895 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 19,550 |
| 1896 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 14,649 |
| 1897 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 20,847 |
| 1898 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 18,953 |
| 1899 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 19,443 |
| 1900 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 18,238 |
| 1901 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 14,790 |
| 1902 | 2                            |                                  |       |      |      |      | 20,953  | (Other varieties: |                  | 2,365        |            |             |        |       |       | 23,318 |
| 1903 | 1                            |                                  |       |      |      |      |         |                   |                  |              |            |             |        |       |       | 12,100 |
| 1904 | 2                            |                                  |       |      |      |      | 15,000  | 2,357             | (Red & Wh. Spr.) |              |            |             | 1,697  | 31    |       | 19,085 |

|       |   |     |  |  |  |        |       |                  |       |    |        |                     |        |         |
|-------|---|-----|--|--|--|--------|-------|------------------|-------|----|--------|---------------------|--------|---------|
| 1905  | 3 |     |  |  |  | 24,462 | 3,340 | (Red & Wh. Spr.) |       |    | 3,085  | 1,840               |        | 32,725  |
| 1906  | 3 |     |  |  |  | 22,166 | 858   |                  | 63    |    | 5,997  | 3,450 (Pk. and Ch.) |        | 32,534  |
| 1907  | 3 |     |  |  |  | 17,813 | 1,288 |                  |       |    | 6,093  | 5,957 (Pk. and Ch.) |        | 31,332  |
| 1908  | 3 |     |  |  |  | 27,534 | 3,293 |                  |       |    | 8,348  | 6,612 (Pk. and Ch.) |        | 46,908  |
| 1909  | 3 |     |  |  |  | 28,246 | 2,280 |                  | 57    |    | 6,818  | 3,589 (Pk. and Ch.) |        | 40,990  |
| 1910  | 4 | 240 |  |  |  | 30,810 | 1,228 |                  | 11    |    | 6,285  | 895                 | 351    | 39,720  |
| 1911  | 3 | 240 |  |  |  | 37,327 | 3,434 |                  | 325   |    | 7,842  | 11,467              | 5,189  | 65,684  |
| 1912  | 3 | 265 |  |  |  | 36,037 | 5,710 |                  | 1,226 |    | 12,468 | 12,476              | 3,245  | 71,162  |
| 1913  | 3 | 265 |  |  |  | 23,574 | 2,999 |                  | 152   |    | 3,172  | 20,539              | 2,987  | 53,423  |
| 1914  | 4 | 265 |  |  |  | 31,327 | 2,660 |                  | 725   |    | 9,276  | 25,333              | 25,569 | 94,890  |
| 1915  | 4 | 265 |  |  |  | 39,349 | 3,053 |                  | 648   |    | 15,171 | 34,879              | 11,076 | 104,289 |
| 1916  | 4 | 265 |  |  |  | 31,411 | 3,061 |                  | 784   |    | 19,139 | 59,593              | 11,200 | 126,686 |
| 1917  | 4 | 265 |  |  |  | 22,188 | 3,170 |                  | 1,326 |    | 22,180 | 44,568              | 24,938 | 119,495 |
| 1918  | 6 | 265 |  |  |  | 21,816 | 2,332 | 817              | 1,003 |    | 17,060 | 59,208              | 40,368 | 143,908 |
| 1919  | 5 | 300 |  |  |  | 28,259 | 2,408 | 585              | 581   |    | 10,900 | 29,949              | 24,041 | 97,512  |
| 1920  | 5 | 342 |  |  |  | 16,740 | 3,584 | 482              | 789   |    | 3,700  | 43,151              | 12,145 | 81,153  |
| 1921  | 5 | 338 |  |  |  | 9,364  | 1,431 | 437              | 220   |    | 8,236  | 29,488              | 2,176  | 51,765  |
| 1922  | 5 | 304 |  |  |  | 31,277 | 1,466 | 341              | 255   | 42 | 3,533  | 75,087              | 11,277 | 124,071 |
| 1923  | 5 | 244 |  |  |  | 17,831 | 2,522 | 457              | 335   |    | 7,894  | 44,165              | 25,791 | 99,580  |
| 1924  | 4 | 210 |  |  |  | 33,590 | 2,142 | 327              | 375   |    | 1,035  | 72,496              | 26,612 | 142,939 |
| *1925 | 3 | 210 |  |  |  | 20,351 | 5,441 | 387              | 538   |    | 8,188  | 35,880              | 23,497 | 94,752  |
| †1925 |   |     |  |  |  | 18,945 | 4,067 | 387              | 392   |    | 7,726  | 34,530              | 22,504 | 89,008  |
| *1926 | 4 | 316 |  |  |  | 15,929 | 4,616 | 751              | 597   |    | 4,274  | 43,891              | 15,392 | 85,825  |
| †1926 |   |     |  |  |  | 15,929 | 4,616 | 751              | 597   |    | 4,274  | 50,815              | 15,392 | 92,749  |
| *1927 | 4 | 302 |  |  |  | 11,986 | 3,221 | 511              | 213   |    | 3,845  | 16,609              | 3,307  | 39,788  |
| †1927 |   |     |  |  |  | 11,986 | 3,221 | 511              | 213   |    | 3,845  | 16,609              | 3,307  | 39,788  |

NOTE.—Licenses issued 1926 and 1927 include transfers from other districts.

\*Pack of fish caught at Naas River regardless where canned. †Pack at Naas River regardless where caught.

\*For the years 1831 to 1884, 1888 to 1901 and 1903, particulars of varieties not available—practically all sockeye.

## PACK OF CANNED SALMON ON THE SKEENA RIVER—1876 TO 1927\*

STATEMENT No. 3

80

| Year | Number of canneries operated | Number of salmon licenses issued |       |      |      |      | Sockeye | Red Spring | Pink Spring         | White Spring | Blue-backs | Steel-heads | Cohoos | Pinks  | Chums       | Totals   |
|------|------------------------------|----------------------------------|-------|------|------|------|---------|------------|---------------------|--------------|------------|-------------|--------|--------|-------------|----------|
|      |                              | G.N.                             | Troll | P.S. | D.S. | T.N. |         |            |                     |              |            |             |        |        |             |          |
| 1876 |                              |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 3,000    |
| 1877 | 1                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 8,500    |
| 1878 | 2                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 10,603   |
| 1879 | 2                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 19,694   |
| 1880 | 2                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 21,560   |
| 1881 | 2                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 24,522   |
| 1882 | 2                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 31,157   |
| 1883 | 5                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 53,986   |
| 1884 | 5                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 12,900   |
| 1885 | 2                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 37,587   |
| 1886 | 3                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 58,592   |
| 1887 | 5                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 70,106   |
| 1888 | 5                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 58,165   |
| 1889 | 6                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 90,509   |
| 1890 | 7                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 78,135   |
| 1891 | 7                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 90,280   |
| 1892 | 8                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 59,675   |
| 1893 | 7                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 61,151   |
| 1894 | 7                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 67,797   |
| 1895 | 7                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 100,140  |
| 1896 | 8                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 65,905   |
| 1897 | 8                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 81,234   |
| 1898 | 6                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 108,026  |
| 1899 | 7                            |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 128,529  |
| 1900 | 10                           |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 126,092  |
| 1901 | 11                           |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 154,875  |
| 1902 | 10                           |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 98,669   |
| 1903 | 10                           |                                  |       |      |      |      |         |            |                     |              |            |             |        |        |             | 154,869  |
| 1904 | 11                           |                                  |       |      |      |      | 93,404  | 20,621     | (Red & Wh. Springs) |              |            |             | 10,315 | 30,529 |             | 114,085  |
| 1905 | 12                           |                                  |       |      |      |      | 84,717  | 14,598     | (Red & Wh. Springs) |              |            |             | 7,247  | 7,523  |             | 162,420  |
| 1906 | 14                           |                                  |       |      |      |      | 86,394  | 20,138     |                     |              |            |             | 16,867 | 38,991 | (Pk. & Ch.) | *159,255 |
| 1907 | 13                           |                                  |       |      |      |      | 108,413 | 10,378     |                     |              |            |             | 15,247 | 25,217 | (Pk. & Ch.) | 209,177  |
| 1908 | 13                           |                                  |       |      |      |      | 139,846 | 13,374     |                     | 468          |            |             | 10,075 | 45,404 | (Pk. & Ch.) |          |

MARINE AND FISHERIES

|            |       |       |       |       |         |        |       |       |       |        |                    |         |
|------------|-------|-------|-------|-------|---------|--------|-------|-------|-------|--------|--------------------|---------|
| 1909.....  | 12    | ..... | ..... | ..... | 87,901  | 11,727 | ..... | 742   | ..... | 12,249 | 28,120 (Pk. & Ch.) | 140,739 |
| 1910.....  | 12    | ..... | ..... | ..... | 187,246 | 9,546  | ..... | 239   | ..... | 11,531 | 13,473             | 222,035 |
| 1911.....  | 12    | 850   | ..... | ..... | 131,036 | 15,514 | ..... | 2,428 | ..... | 23,376 | 81,956             | 254,410 |
| 1912.....  | 12    | 850   | ..... | ..... | 92,438  | 19,332 | ..... | 4,501 | ..... | 39,835 | 97,588             | 254,258 |
| 1913.....  | 13    | 850   | ..... | ..... | 52,927  | 23,250 | ..... | 3,186 | ..... | 18,647 | 66,045             | 164,055 |
| 1914.....  | 13    | 850   | ..... | ..... | 130,166 | 11,529 | ..... | 211   | ..... | 16,378 | 71,021             | 237,634 |
| 1915.....  | 13    | 962   | ..... | ..... | 116,553 | 15,069 | ..... | 204   | 1,798 | 32,190 | 107,578            | 279,161 |
| 1916.....  | 14    | 868   | ..... | ..... | 60,923  | 18,372 | ..... | 2,561 | 3,743 | 47,409 | 73,029             | 223,158 |
| 1917.....  | 15    | *788  | ..... | ..... | 65,760  | 13,586 | ..... | 2,699 | 1,883 | 38,456 | 148,319            | 292,219 |
| 1918.....  | 15    | *889  | ..... | ..... | 123,322 | 16,013 | ..... | 6,828 | 4,994 | 38,759 | 161,727            | 374,216 |
| 1919.....  | 14    | 1,153 | ..... | ..... | 184,945 | 19,661 | 3,624 | 2,656 | 2,672 | 36,559 | 117,303            | 398,877 |
| 1920.....  | 15    | 954   | ..... | ..... | 90,869  | 37,403 | 2,198 | 3,123 | 1,218 | 18,068 | 177,679            | 334,392 |
| 1921.....  | 13    | 1,109 | ..... | ..... | 40,018  | 18,599 | 2,722 | 445   | 498   | 45,033 | 124,457            | 234,765 |
| 1922.....  | 13    | 1,091 | ..... | ..... | 100,615 | 7,080  | 5,591 | 1,805 | 1,050 | 24,673 | 203,555            | 362,055 |
| 1923.....  | 13    | 900   | ..... | ..... | 131,731 | 8,863  | 2,885 | 499   | 418   | 31,967 | 145,973            | 338,863 |
| 1924.....  | 13    | 941   | ..... | ..... | 144,732 | 9,511  | 1,361 | 1,301 | 214   | 26,907 | 181,338            | 390,967 |
| †1925..... | 13    | 1,067 | ..... | ..... | 77,785  | 17,811 | 1,657 | 2,457 | 700   | 38,029 | 127,226            | 76,352  |
| †1925..... | ..... | ..... | ..... | ..... | 81,149  | 19,185 | 1,657 | 2,603 | 713   | 39,168 | 130,083            | 348,866 |
| †1926..... | 15    | 1,129 | ..... | ..... | 82,307  | 17,896 | 966   | 1,750 | 764   | 30,153 | 170,586            | 350,804 |
| †1926..... | ..... | ..... | ..... | ..... | 82,357  | 17,896 | 966   | 1,750 | 764   | 30,209 | 210,084            | 407,533 |
| †1927..... | 13    | 1,195 | ..... | ..... | 83,988  | 13,595 | 3,567 | 1,609 | 646   | 25,209 | 38,903             | 177,173 |
| †1927..... | ..... | ..... | ..... | ..... | 83,984  | 14,856 | 3,567 | 1,609 | 580   | 25,623 | 38,761             | 187,639 |

\*Approximately.

†Pack of fish caught at Skeena River regardless where canned. ‡Pack at Skeena River regardless where caught.

NOTE.—Licenses issued 1923, 1924, 1925, 1926 and 1927 include transfers from other districts.

\*For the years 1877 to 1903. Particulars of varieties not available—practically all sockeye.

## PACK OF CANNED SALMON FROM FISH CAUGHT AT RIVERS INLET AND SMITHS INLET, \*1881 TO 1927 STATEMENT No. 4

| Year      | Number of canneries operated | Number of salmon licenses issued |       |      |      |      | Sock-eye | Red Spring               | Pink Spring | White Spring | Blue-backs | Steel-heads | Cohoos | Pinks             | Chums | Varieties other than sockeye packed at Smiths Inlet | Totals  |
|-----------|------------------------------|----------------------------------|-------|------|------|------|----------|--------------------------|-------------|--------------|------------|-------------|--------|-------------------|-------|-----------------------------------------------------|---------|
|           |                              | G.N.                             | Troll | P.S. | D.S. | T.N. |          |                          |             |              |            |             |        |                   |       |                                                     |         |
| 1881..... |                              |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     |         |
| 1882..... | 1                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 5,635   |
| 1883..... | 1                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 10,780  |
| 1884..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 20,383  |
| 1885..... |                              |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     |         |
| 1886..... | 1                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 15,000  |
| 1887..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 11,203  |
| 1888..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 20,000  |
| 1889..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 25,704  |
| 1890..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 32,961  |
| 1891..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 34,924  |
| 1892..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 15,126  |
| 1893..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 35,266  |
| 1894..... | 2                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 39,351  |
| 1895..... | 3                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 58,579  |
| 1896..... | 4                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 107,468 |
| 1897..... | 6                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 40,207  |
| 1898..... | 6                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 104,711 |
| 1899..... | 6                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 71,079  |
| 1900..... | 6                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 75,413  |
| 1901..... | 6                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 66,840  |
| 1902..... | 6                            |                                  |       |      |      |      | 74,019   | (Other varieties 1,479). |             |              |            |             |        |                   |       |                                                     | 75,498  |
| 1903..... | 5                            |                                  |       |      |      |      |          |                          |             |              |            |             |        |                   |       |                                                     | 75,530  |
| 1904..... | 5                            |                                  |       |      |      |      | 101,542  | (11 Red & Wh. Spr.)      |             |              |            |             | 358    | 61                |       |                                                     | 101,972 |
| 1905..... | 6                            |                                  |       |      |      |      | 90,713   | (351 Red & Wh. Spr.)     |             |              |            |             |        |                   |       |                                                     | 91,064  |
| 1906..... | 8                            |                                  |       |      |      |      | 132,631  | 181                      |             |              |            |             | 66     |                   |       |                                                     | 132,878 |
| 1907..... | 8                            |                                  |       |      |      |      | 97,874   | 750                      |             |              |            |             | 6,240  | 700 (Pk. & Ch.)   |       |                                                     | 105,564 |
| 1908..... | 8                            |                                  |       |      |      |      | 74,452   | 1,254                    |             |              |            |             | 9,505  | 4,679 (Pk. & Ch.) |       |                                                     | 89,890  |



|           |    |       |  |  |  |         |       |     |     |    |        |                 |        |         |
|-----------|----|-------|--|--|--|---------|-------|-----|-----|----|--------|-----------------|--------|---------|
| 1909..... | 8  |       |  |  |  | 102,527 | 1,087 |     |     |    | 1,400  | 300 (Pk. & Ch.) |        | 105,314 |
| 1910..... | 8  |       |  |  |  | 141,921 | 383   |     |     |    | 2,075  | 19              |        | 144,398 |
| 1911..... | 8  |       |  |  |  | 105,763 | 1,317 |     |     |    | 8,287  | 6,411           | 5,288  | 127,066 |
| 1912..... | 8  |       |  |  |  | 120,217 | 1,452 | 468 |     |    | 11,095 | 11,723          | 4,843  | 158,798 |
| 1913..... | 8  |       |  |  |  | 79,345  | 1,589 |     |     |    | 3,708  | 4,287           | 2,015  | 90,944  |
| 1914..... | *7 |       |  |  |  | 89,890  | 566   |     |     |    | 7,789  | 5,784           | 5,023  | 109,052 |
| 1915..... | 8  |       |  |  |  | 102,651 | 1,022 |     |     |    | 7,115  | 2,964           | 5,387  | 179,431 |
| 1916..... | 9  |       |  |  |  | 58,192  | 1,033 | 389 |     |    | 15,314 | 3,567           | 20,144 | 112,629 |
| 1917..... | 10 | 815   |  |  |  | 75,326  | 715   | 102 |     |    | 9,124  | 8,065           | 16,101 | 113,758 |
| 1918..... | 10 | 815   |  |  |  | 68,447  | 957   | 85  | 367 |    | 12,074 | 20,542          | 6,729  | 128,937 |
| 1918..... |    |       |  |  |  | 66,842  | 957   | 85  | 367 |    | 12,074 | 20,542          | 6,729  | 127,832 |
| 1919..... | 11 | 916   |  |  |  | 73,754  | 967   | 234 | 241 | 2  | 9,038  | 6,538           | 7,089  | 110,736 |
| 1919..... |    |       |  |  |  | 72,072  | 967   | 234 | 241 | 2  | 9,038  | 6,538           | 7,089  | 109,234 |
| 1920..... | 10 | 1,044 |  |  |  | 142,793 | 1,537 | 81  | 190 |    | 2,922  | 26,189          | 1,226  | 174,938 |
| 1920..... |    |       |  |  |  | 135,245 | 1,537 | 81  | 190 |    | 2,922  | 26,189          | 1,226  | 165,890 |
| 1921..... | 10 | 1,215 |  |  |  | 50,849  | 386   |     | 44  |    | 4,055  | 3,055           | 173    | 58,562  |
| 1921..... |    |       |  |  |  | 49,729  | 406   |     | 44  | 97 | 4,784  | 5,836           | 173    | 60,569  |
| 1922..... | 10 | 1,101 |  |  |  | 68,818  | 216   | 69  | 38  | 82 | 1,145  | 24,311          | 311    | 94,990  |
| 1922..... |    |       |  |  |  | 66,618  | 216   | 69  | 38  | 82 | 1,145  | 24,311          | 311    | 92,690  |
| 1923..... | 10 | 1,172 |  |  |  | 118,502 | 230   | 256 | 113 |    | 1,526  | 10,057          | 3,246  | 133,930 |
| 1923..... |    |       |  |  |  | 112,350 | 250   | 256 | 113 |    | 1,526  | 10,057          | 3,246  | 127,778 |
| 1924..... | 10 | 963   |  |  |  | 91,764  | 215   | 261 | 149 | 32 | 1,886  | 15,103          | 4,903  | 114,318 |
| 1925..... | 11 | 1,127 |  |  |  | 201,186 | 344   | 311 | 116 | 10 | 4,887  | 7,675           | 11,501 | 226,030 |
| 1925..... |    |       |  |  |  | 170,681 | 215   | 311 | 57  |    | 4,866  | 8,625           | 11,477 | 196,182 |
| 1926..... | 12 | 1,483 |  |  |  | 89,866  | 535   | 249 | 160 | 27 | 10,348 | 8,493           | 14,690 | 124,341 |
| 1926..... |    |       |  |  |  | 74,629  | 473   | 189 | 142 | 11 | 7,448  | 13,503          | 11,751 | 108,146 |
| 1927..... | 13 | 1,842 |  |  |  | 101,053 | 463   | 530 | 321 | 19 | 5,475  | 1,383           | 5,027  | 114,271 |
| 1927..... |    |       |  |  |  | 87,146  | 322   | 530 | 321 | 17 | 4,980  | 1,402           | 3,617  | 98,534  |

NOTE.—Figures shown in black are packs from fish caught at Rivers Inlet or Smiths Inlet. Figures in black for years previous to 1918 are actual packs. Figures shown in italics, 1918 to 1927, are actual packs irrespective of where fish taken and not including fish shipped out for canning in other districts.

\*1914 figures include Rivers Inlet pack only, no figures being available for Smiths Inlet for that year.

NOTE.—Re column "Varieties other than sockeye packed at Smiths Inlet." For the years this column is utilized, figures of the different varieties other than sockeye packed at Smiths Inlet were not available, and had to be shown as a total. Sockeye for these years are shown under their proper heading.

NOTE.—Licenses issued 1923, 1924, 1925, 1926 and 1927 include transfers from other districts.

\*For the years 1882 to 1884 and 1886 to 1901 and 1903—particulars of varieties not available—practically all sockeye.

# PACK OF CANNED SALMON IN THE FRASER RIVER DISTRICT—\*1876 TO 1927

STATEMENT No. 5

84

MARINE AND FISHERIES

| Year | Number of canneries operated | Number of salmon licenses issued |       |      |      |      | Sockeye | Red Spring                    | Pink Spring | White Spring | Blue-backs | Steel-heads | Cohoos | Pinks | Chums | Totals  |
|------|------------------------------|----------------------------------|-------|------|------|------|---------|-------------------------------|-------------|--------------|------------|-------------|--------|-------|-------|---------|
|      |                              | G.N.                             | Troll | P.S. | D.S. | T.N. |         |                               |             |              |            |             |        |       |       |         |
| 1876 | 3                            |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 9,847   |
| 1877 | 5                            |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 64,387  |
| 1878 | 8                            |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 105,101 |
| 1879 | 7                            |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 50,490  |
| 1880 | 7                            |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 42,155  |
| 1881 | 8                            |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 142,516 |
| 1882 | 11                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 199,104 |
| 1883 | 13                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 109,701 |
| 1884 | 6                            |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 38,437  |
| 1885 | 6                            |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 89,617  |
| 1886 | 11                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 99,177  |
| 1887 | 12                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 130,088 |
| 1888 | 12                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 76,616  |
| 1889 | 16                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 303,875 |
| 1890 | 16                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 241,889 |
| 1891 | 11                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 178,954 |
| 1892 | 11                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 79,715  |
| 1893 | 21                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 457,797 |
| 1894 | 20                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 363,967 |
| 1895 | 21                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 400,368 |
| 1896 | 29                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 356,984 |
| 1897 | 35                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 860,459 |
| 1898 | 35                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 256,101 |
| 1899 | 41                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 510,383 |
| 1900 | 48                           |                                  |       |      |      |      |         |                               |             |              |            |             |        |       |       | 316,522 |
| 1901 | 49                           | 3,832                            |       |      |      |      |         |                               |             |              |            |             |        |       |       | 990,313 |
| 1902 | 42                           | 2,685                            |       |      |      |      | 293,477 | Other Varieties: 33,618       |             |              |            |             |        |       |       | 327,095 |
| 1903 | 35                           | 3,101                            |       |      |      |      | 204,809 | 2,084: (Red and White Spring) |             |              |            | 25,728      |        | 4,504 |       | 237,125 |
| 1904 | 23                           | 2,224                            |       |      |      |      | 72,688  | 9,482: (Red and White Spring) |             |              |            | 45,667      |        | 1,066 |       | 128,903 |
| 1905 | 38                           | 2,770                            |       |      |      |      | 837,489 | 5,507: (Red and White Spring) |             |              |            | 30,836      |        | 3,304 |       | 877,136 |

|           |    |       |     |   |  |   |         |        |        |        |     |        |                    |         |
|-----------|----|-------|-----|---|--|---|---------|--------|--------|--------|-----|--------|--------------------|---------|
| 1906..... | 24 | 1,746 |     |   |  |   | 183,007 | 6,503  | 1,000  |        |     | 34,413 | 15,543 (Pk. & Ch.) | 240,486 |
| 1907..... | 18 | 1,726 |     |   |  |   | 59,815  | 3,448  | 557    |        |     | 35,766 | 63,530 (Pk. & Ch.) | 163,116 |
| 1908..... | 16 | 1,374 |     |   |  |   | 63,126  | 1,427  | 18     |        |     | 24,198 | 415 (Pk. & Ch.)    | 89,184  |
| 1909..... | 38 | 2,688 |     |   |  |   | 542,248 | 1,428  |        |        |     | 21,540 | 1,987 (Pk. & Ch.)  | 567,203 |
| 1910..... | 21 | 1,577 |     |   |  |   | 133,045 | 1,018  | 8,925  |        |     | 27,855 | 128 52,177         | 223,148 |
| 1911..... | 15 | 1,396 |     |   |  |   | 58,487  | 7,088  | 6,751  |        |     | 39,740 | 142,101 47,237     | 301,344 |
| 1912..... | 15 | 1,430 |     |   |  | 2 | 108,784 | 14,655 | 8,373  |        |     | 38,574 | 574 12,961         | 173,921 |
| 1913..... | 35 | 2,560 |     |   |  | 2 | 684,596 | 3,573  | 49     |        |     | 11,648 | 9,973 22,220       | 732,050 |
| 1914..... | 20 | 2,656 |     |   |  |   | 185,483 | 9,485  | 14,000 |        |     | 38,639 | 6,057 74,726       | 328,390 |
| 1915..... | 22 | 2,616 |     |   |  |   | 89,040  | 15,388 | 3,532  |        | 31  | 34,114 | 128,555 18,539     | 289,119 |
| 1916..... | 21 | 2,240 |     |   |  |   | 27,394  | 11,096 | 9,217  | 3,096  | 33  | 24,580 | 840 30,184         | 106,440 |
| 1917..... | 29 | 2,626 | 8   |   |  |   | 123,614 | 10,197 | 18,916 | 4,944  | 7   | 25,895 | 134,442 59,973     | 377,988 |
| 1918..... | 18 | 1,582 | 19  | 1 |  |   | 16,849  | 15,192 | 24,274 | 3,760  | 635 | 40,111 | 18,388 86,215      | 206,003 |
| 1919..... | 14 | 1,337 | 24  | 1 |  |   | 20,628  | 14,519 | 3,592  | 15,613 | 328 | 39,253 | 30,363 15,718      | 158,718 |
| 1920..... | 11 | 1,288 | 28  |   |  |   | 44,598  | 19,961 | 2,204  | 4,488  | 34  | 22,934 | 12,839 23,884      | 132,860 |
| 1921..... | 13 | 1,437 | 25  |   |  |   | 35,900  | 11,360 | 5,480  | 1,323  | 8   | 29,978 | 8,178 11,223       | 103,917 |
| 1922..... | 10 | 1,296 | 17  |   |  |   | 48,744  | 10,561 | 2,433  | 3,867  | 5   | 23,587 | 29,578 17,895      | 137,482 |
| 1923..... | 11 | 964   | 25  |   |  |   | 29,423  | 3,654  | 3,615  |        | 15  | 20,173 | 63,645 103,248     | 224,637 |
| 1924..... | 9  | 969   | 48  |   |  |   | 36,200  | 2,982  | 4,056  | 1,757  | 65  | 21,935 | 31,968 109,495     | 209,050 |
| 1925..... | 10 | 969   | 50  |   |  |   | 31,523  | 7,335  | 25,482 | 5,107  | 45  | 36,717 | 99,800 66,111      | 272,993 |
| 1926..... | 10 | 1,063 | 59  |   |  |   | 83,589  | 11,774 | 1,030  | 20,130 | 39  | 21,787 | 32,256 88,493      | 273,134 |
| 1927..... | 10 | 1,249 | 111 |   |  |   | 57,085  | 6,553  | 1,351  | 10,493 | 37  | 24,079 | 102,535 67,259     | 280,013 |

NOTE.—Licenses issued 1923, 1924, 1925, 1926 and 1927 include transfers from other districts.  
 \*For the years 1876 to 1901, particulars of varieties not available—practically all sockeye.

STATEMENT No. 6  
PACK OF CANNED SALMON OF PUGET SOUND FROM 1887 TO 1927

| Year | Number of<br>canneries<br>operated | Spring | Sockeye       | Cohoe       | Chum       | Pink      | Steel-<br>head | Total     |
|------|------------------------------------|--------|---------------|-------------|------------|-----------|----------------|-----------|
| 1887 |                                    | Partic | ulars of vari | eties not a | available. |           |                | 22,000    |
| 1888 | 4                                  |        |               |             |            |           |                | 21,975    |
| 1889 | 2                                  | 240    |               | 7,480       | 1,145      | 2,890     |                | 11,674    |
| 1890 | 1                                  | 1,000  |               | 3,000       | 4,000      |           |                | 8,000     |
| 1891 | 2                                  | 382    | 5,538         | 5,869       | 3,093      | 5,647     |                | 20,529    |
| 1892 | 2                                  | 86     | 2,954         | 7,206       | 16,180     |           |                | 26,426    |
| 1893 | 3                                  | 1,200  | 47,852        | 11,812      | 11,380     | 17,530    |                | 89,331    |
| 1894 | 3                                  |        | 41,781        | 22,418      | 22,152     | 9,049     |                | 95,400    |
| 1895 | 7                                  | 1,542  | 65,143        | 50,865      | 38,785     | 23,633    |                | 179,968   |
| 1896 | 11                                 | 13,495 | 72,979        | 82,640      | 23,550     |           |                | 195,664   |
| 1897 | 12                                 | 9,500  | 312,048       | 91,900      | 23,310     | 57,268    |                | 494,026   |
| 1898 | 18                                 | 11,200 | 252,000       | 98,600      | 38,400     |           |                | 400,200   |
| 1899 | 19                                 | 24,364 | 499,646       | 101,387     | 31,481     | 252,733   |                | 919,611   |
| 1900 | 19                                 | 22,350 | 229,800       | 128,200     | 89,100     |           |                | 469,450   |
| 1901 |                                    | Partic | ulars of vari | eties not a | available. |           |                | 1,380,590 |
| 1902 | 21                                 | 30,049 | 372,301       | 85,817      | 93,492     |           |                | 581,659   |
| 1903 | 22                                 | 14,500 | 167,211       | 103,450     | 12,001     | 181,236   |                | 478,488   |
| 1904 | 13                                 | 14,441 | 109,264       | 118,127     | 49,656     |           |                | 291,488   |
| 1905 | 24                                 | 1,804  | 825,453       | 79,335      | 41,057     | 70,992    |                | 1,018,641 |
| 1906 | 16                                 | 8,139  | 178,748       | 94,497      | 149,218    |           |                | 430,602   |
| 1907 | 14                                 | 1,814  | 93,122        | 119,372     | 50,249     | 433,423   |                | 698,080   |
| 1908 | 22                                 | 95,210 | 170,951       | 128,922     | 47,607     | 6,075     |                | 448,765   |
| 1909 | 11                                 | 13,019 | 1,097,904     | 143,133     | 53,688     | 370,993   |                | 1,632,949 |
| 1910 | 24                                 | 10,064 | 248,014       | 162,755     | 146,942    | 108       |                | 567,883   |
| 1911 | 15                                 | 21,823 | 127,761       | 256,124     | 104,321    | 1,046,992 |                | 1,557,029 |
| 1912 | 20                                 | 20,252 | 184,680       | 149,727     | 60,760     | 700       |                | 416,125   |
| 1913 | 22                                 | 1,234  | 1,673,099     | 61,019      | 56,225     | 791,886   |                | 2,583,463 |
| 1914 | 31                                 | 26,044 | 335,230       | 151,893     | 278,801    | 892       |                | 792,860   |
| 1915 | 41                                 | 28,466 | 64,548        | 180,783     | 411,724    | 583,649   |                | 1,269,206 |
| 1916 | 32                                 | 37,030 | 84,637        | 155,832     | 427,878    | 1,887     |                | 707,278   |
| 1917 | 45                                 | 57,543 | 411,538       | 114,276     | 216,285    | 1,124,884 |                | 1,921,554 |
| 1918 | 32                                 | 63,366 | 50,723        | 235,860     | 267,538    | 6,605     | 106            | 624,198   |
| 1919 | 35                                 | 68,542 | 64,346        | 210,883     | 525,541    | 421,215   | 5,076          | 1,295,626 |
| 1920 | 11                                 | 25,846 | 62,654        | 24,502      | 48,849     | 4,669     |                | 166,520   |
| 1921 | 23                                 | 25,567 | 102,967       | 89,412      | 30,831     | 404,713   |                | 653,490   |
| 1922 | 16                                 | 20,615 | 48,566        | 111,711     | 65,552     | 2,225     |                | 248,729   |
| 1923 | 18                                 | 15,777 | 47,402        | 122,000     | 97,081     | 475,849   | 29             | 758,138   |
| 1924 | 12                                 | 19,968 | 69,369        | 87,879      | 134,360    | 5,945     | 128            | 317,649   |
| 1925 | 23                                 | 28,268 | 106,064       | 171,587     | 41,635     | 555,848   | 141            | 903,543   |
| 1926 | 14                                 | 27,763 | 44,569        | 120,846     | 112,411    | 2,125     | 63             | 307,778   |
| 1927 | 21                                 | 43,443 | 96,343        | 133,528     | 37,414     | 585,506   | 216            | 896,450   |

STATEMENT No. 8  
STATEMENT OF DRY SALT HERRING PACKS, 1918-1927—BRITISH COLUMBIA

| Year | District<br>No. 1 | District<br>No. 2 | District No. 3  |                | Total           |
|------|-------------------|-------------------|-----------------|----------------|-----------------|
|      |                   |                   | East<br>Coast   | West<br>Coast  |                 |
| 1918 | cwt.<br>20,000    | cwt.              | cwt.<br>109,900 | cwt.<br>42,710 | cwt.<br>172,610 |
| 1919 | 4,000             |                   | 43,000          | 208,058        | 255,058         |
| 1920 | 807               | 1                 | 176,640         | 334,720        | 512,168         |
| 1921 | 249               |                   | 231,240         | 248,482        | 479,971         |
| 1922 |                   |                   | 297,871         | 224,897        | 522,768         |
| 1923 |                   | 8,935             | 250,426         | 484,681        | 744,036         |
| 1924 |                   |                   | 305,266         | 548,277        | 853,543         |
| 1925 |                   | 4,120             | 591,162         | 487,892        | 1,083,174       |
| 1926 | 11,134            | 4,192             | 596,114         | 327,207        | 938,647         |
| 1927 | 24,380            | 7,600             | 542,385         | 473,825        | 1,048,190       |

## STATEMENT No. 9

## PRODUCTION FISH OIL AND MEAL—BRITISH COLUMBIA, 1920-1927

| Year      | From Pilchards      |           | From Herring |         | From Whales         |            |         | From Other Sources |         |
|-----------|---------------------|-----------|--------------|---------|---------------------|------------|---------|--------------------|---------|
|           | Meal and Fertilizer | Oil       | Meal         | Oil     | Whale-bone and Meal | Fertilizer | Oil     | Meal               | Oil     |
|           | tons                | gals.     | tons         | gals.   | tons                | tons       | gals.   | tons               | gals.   |
| 1920..... |                     |           |              |         | 503                 | 1,035      | 604,070 | 466                | 55,669  |
| 1921..... |                     |           |              |         |                     |            |         | 489                | 44,700  |
| 1922..... |                     |           |              |         | 326                 | 230        | 283,314 | 911                | 75,461  |
| 1923..... |                     |           |              |         | 485                 | 910        | 706,514 | 823                | 180,318 |
| 1924..... |                     |           |              |         | 292                 | 926        | 645,657 | 1,709              | 241,376 |
| 1925..... | 2,083               | 495,653   |              |         | 347                 | 835        | 556,939 | 2,468              | 354,853 |
| 1926..... | 8,481               | 1,898,721 | 310          | 13,700  | 340                 | 666        | 468,206 | 1,752              | 217,150 |
| 1927..... | 12,169              | 2,673,876 | 1,838        | 170,450 | 345                 | 651        | 437,967 | 2,512              | 375,130 |

## STATEMENT No. 10

## WHALE CATCH LANDINGS, BRITISH COLUMBIA, 1918 TO 1927

| Species         | 1918          | 1919          | 1920          | 1921                            | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 |
|-----------------|---------------|---------------|---------------|---------------------------------|------|------|------|------|------|------|
| Sperm.....      | All varieties | All varieties | All varieties | No Whaling plants operated 1921 | 38   | 94   | 83   | 76   | 80   | 82   |
| Sulphur.....    |               |               |               |                                 | 4    | 62   | 56   | 29   | 14   | 10   |
| Fin.....        |               |               |               |                                 | 94   | 166  | 125  | 135  | 124  | 138  |
| Hump.....       |               |               |               |                                 | 50   | 78   | 47   | 40   | 25   | 21   |
| Sei.....        |               |               |               |                                 | 1    | 53   | 100  | 68   | 25   | 7    |
| Right.....      |               |               |               |                                 |      |      | 2    |      | 1    |      |
| Bottlenose..... |               |               |               |                                 |      | 2    | 1    | 3    |      |      |
| Gray.....       |               |               |               |                                 |      |      |      |      |      |      |
| Totals.....     | 500           | 432           | 493           |                                 | 187  | 455  | 414  | 351  | 269  | 258  |

## STATEMENT No. 11

## STATEMENT OF FUR SEAL SKINS TAKEN AND LANDED, BRITISH COLUMBIA, 1912-1927

| Year      | District No. 1 | District No. 2 | District No. 3 | Total |
|-----------|----------------|----------------|----------------|-------|
| 1912..... |                |                | 205            | 205   |
| 1913..... |                | 285            | 119            | 404   |
| 1914..... |                | 95             | 257            | 352   |
| 1915..... |                | 39             | 400            | 439   |
| 1916..... |                | 21             | 138            | 159   |
| 1917..... |                | 14             | 204            | 218   |
| 1918..... |                | 78             | 10             | 88    |
| 1919..... |                | 53             | 17             | 70    |
| 1920..... |                | 502            | 556            | 1,058 |
| 1921..... |                | 270            | 2,079          | 2,349 |
| 1922..... |                | 291            | 639            | 930   |
| 1923..... |                | 678            | 3,746          | 4,424 |
| 1924..... |                | 370            | 1,862          | 2,232 |
| 1925..... |                | 810            | 3,655          | 4,465 |
| 1926..... |                | 655            | 2,169          | 2,824 |
| 1927..... |                | 188            | 1,288          | 1,476 |

## STATEMENT OF FISHERY LICENSES ISSUED, BRITISH COLUMBIA, SEASON 1927—WHOLE PROVINCE

| Variety of License          | Issued |         |       |        | Transfers |         |      |       | Operating |         |       |        | Remarks        |
|-----------------------------|--------|---------|-------|--------|-----------|---------|------|-------|-----------|---------|-------|--------|----------------|
|                             | Whites | Indians | Japs  | Total  | Whites    | Indians | Japs | Total | Whites    | Indians | Japs  | Total  |                |
| Salmon Cannery.....         | 75     |         |       | 75     |           |         |      |       | 75        |         |       | 75     |                |
| Salmon Curing.....          | 35     |         | 3     | 38     |           |         |      |       | 35        |         | 3     | 38     | (1 cancelled)  |
| Salmon Drag-seine.....      | 31     | 15      |       | 46     |           |         |      |       | 31        | 15      |       | 46     |                |
| Salmon Purse-seine.....     | 434    | 48      |       | 482    | 68        | 5       |      | 73    | 502       | 53      |       | 555    |                |
| Salmon Trap-net.....        | 7      |         |       | 7      |           |         |      |       | 7         |         |       | 7      |                |
| Salmon Gill-net.....        | 2,816  | 1,158   | 912   | 4,886  | 723       | 34      |      | 757   | 3,539     | 1,192   | 912   | 5,643  | (6 cancelled)  |
| Salmon Trolling.....        | 2,193  | 657     | 155   | 3,005  | 88        | 1       |      | 89    | 2,281     | 658     | 155   | 3,094  | (1 cancelled)  |
| Boat.....                   | 163    | 13      | 87    | 263    | 2         |         |      | 2     | 165       | 13      | 87    | 265    |                |
| Buyers.....                 | 52     |         | 17    | 69     |           |         |      |       | 52        |         | 17    | 69     |                |
| Asst. Salmon Gill-net.....  | 335    | 286     | 490   | 1,111  | 3         | 1       |      | 4     | 338       | 287     | 490   | 1,115  | (1 cancelled)  |
| Asst. Salmon Seine.....     | 1,000  | 1,156   |       | 2,156  |           |         |      |       | 1,000     | 1,156   |       | 2,156  |                |
| Capt. Sal. Seine.....       | 135    | 279     |       | 414    | 2         |         |      | 2     | 137       | 279     |       | 416    | (3 cancelled)  |
| Miscellaneous Cannery.....  | 10     |         |       | 10     |           |         |      |       | 10        |         |       | 10     |                |
| Cod Gill-net.....           | 31     |         | 25    | 56     |           |         |      |       | 31        |         | 25    | 56     |                |
| Cod Hook and Line.....      | 247    | 38      | 127   | 412    |           |         |      |       | 247       | 38      | 127   | 412    |                |
| Crab.....                   | 128    | 18      | 2     | 148    |           |         |      |       | 128       | 18      | 2     | 148    | (1 cancelled)  |
| Grayfish Gill-net.....      | 13     | 3       | 31    | 47     |           |         |      |       | 13        | 3       | 31    | 47     |                |
| Grayfish Hook and Line..... | 124    | 4       | 62    | 190    |           |         |      |       | 124       | 4       | 62    | 190    |                |
| Smelt Drag-seine.....       | 29     |         | 3     | 32     |           |         |      |       | 29        |         | 3     | 32     |                |
| Smelt Purse-seine.....      | 6      |         |       | 6      |           |         |      |       | 6         |         |       | 6      |                |
| Smelt Gill-net.....         | 20     |         | 11    | 31     |           |         |      |       | 20        |         | 11    | 31     |                |
| Groundfish.....             | 37     |         | 19    | 56     |           |         |      |       | 37        |         | 19    | 56     |                |
| Oclichan.....               | 27     | 2       | 1     | 30     |           |         |      |       | 27        | 2       | 1     | 30     |                |
| Perch Drag-seine.....       | 26     | 3       |       | 29     |           |         |      |       | 26        | 3       |       | 29     |                |
| Perch Gill-net.....         | 4      | 1       | 5     | 10     |           |         |      |       | 4         | 1       | 5     | 10     |                |
| Shrimp.....                 | 11     |         | 19    | 30     |           |         |      |       | 11        |         | 19    | 30     |                |
| Reduction Works.....        | 27     |         |       | 27     |           |         |      |       | 27        |         |       | 27     |                |
| Abalone.....                | 1      |         |       | 1      |           |         |      |       | 1         |         |       | 1      |                |
| Rock Cod Seine.....         | 1      |         |       | 1      |           |         |      |       | 1         |         |       | 1      |                |
| Sand Lance.....             | 1      |         | 1     | 2      |           |         |      |       | 1         |         | 1     | 2      |                |
| Herring Curing.....         | 24     |         | 5     | 29     |           |         |      |       | 24        |         | 5     | 29     |                |
| Herring Purse-seine.....    | 83     |         | 3     | 86     |           |         |      |       | 83        |         | 3     | 86     |                |
| Herring Gill-net.....       | 22     |         | 7     | 29     |           |         |      |       | 22        |         | 7     | 29     |                |
| Capt. Herring Seine.....    | 57     | 16      | 5     | 78     |           |         |      |       | 57        | 16      | 5     | 78     | (2 cancelled)  |
| Totals.....                 | 8,205  | 3,697   | 1,990 | 13,892 | 886       | 41      |      | 927   | 9,091     | 3,738   | 1,990 | 14,819 | (15 cancelled) |

Indian Permits..... 830 (6 cancelled).

Angling Permits..... 45

NOTE.—Herring licenses issued for fiscal year. Above figures up to Dec. 31, 1927.

## FISHERIES BRANCH

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## STATEMENT NO. 14

STATEMENT OF NUMBERS OF DIFFERENT SPECIES OF SALMON AND METHOD OF CAPTURE, REPORTED BY OPERATORS OF SALMON PURSE-SEINES, DRAG-SEINES, AND TRAP NETS AND BY SALMON CANNING, CURING, AND COLD STORAGE ESTABLISHMENTS, OF GILL-NET AND TROLL CAUGHT FISH, BRITISH COLUMBIA, 1920-1927.

|                   | Sockeye   | Springs | Bluebacks | Steelheads | Cohoos    | Pinks      | Chums     | Total      |
|-------------------|-----------|---------|-----------|------------|-----------|------------|-----------|------------|
| 1920              |           |         |           |            |           |            |           |            |
| Troll.....        |           | 199,492 | 72,933    | 2,581      | 312,943   |            |           | 587,949    |
| Gill-net.....     | 3,751,724 | 398,172 | 562       | 40,831     | 537,925   | 4,842,499  | 416,348   | 9,988,061  |
| Purse-Seines..... | 153,380   | 4,666   | 753       | 80         | 84,383    | 4,633,505  | 524,998   | 5,401,765  |
| Drag-Seines.....  | 321,894   | 1,849   | 1         |            | 9,220     | 347,135    | 10,281    | 690,380    |
| Trap-nets.....    | 54,074    | 37,578  | 35,829    | 931        | 68,318    | 381,006    | 29,528    | 607,264    |
| Totals.....       | 4,281,072 | 641,757 | 110,078   | 44,423     | 1,012,789 | 10,204,145 | 981,155   | 17,275,419 |
| 1921              |           |         |           |            |           |            |           |            |
| Troll.....        |           | 104,743 | 81,962    | 58         | 248,290   |            |           | 435,053    |
| Gill-net.....     | 1,863,941 | 267,355 | 16,047    | 37,659     | 743,882   | 3,238,196  | 373,758   | 6,540,838  |
| Purse-Seines..... | 74,578    | 7,730   | 230       | 20         | 53,224    | 370,881    | 830,193   | 1,336,856  |
| Drag-Seines.....  | 175,793   | 11      |           |            | 8,654     | 124,344    | 85,577    | 394,379    |
| Trap-Nets.....    | 46,016    | 26,926  | 176       | 874        | 77,658    | 100,618    | 2,301     | 254,569    |
| Totals.....       | 2,160,328 | 406,765 | 98,415    | 38,611     | 1,131,708 | 3,834,039  | 1,291,829 | 8,961,695  |
| 1922              |           |         |           |            |           |            |           |            |
| Troll.....        |           | 99,621  | 103,883   | 27         | 235,499   |            |           | 439,030    |
| Gill-net.....     | 3,361,516 | 235,493 | 3,397     | 26,412     | 687,780   | 5,124,904  | 673,921   | 10,113,423 |
| Purse-Seines..... | 250,238   | 2,948   | 1,220     | 25         | 206,094   | 5,445,975  | 2,498,036 | 8,404,536  |
| Drag-Seines.....  | 310,946   | 9       |           |            | 16,850    | 139,561    | 5,159     | 472,525    |
| Trap-Nets.....    | 36,534    | 35,157  | 517       | 1,204      | 137,345   | 5,300      | 3,130     | 219,187    |
| Totals.....       | 3,959,234 | 373,228 | 109,017   | 27,668     | 1,283,566 | 10,715,740 | 3,180,246 | 19,648,701 |
| 1923              |           |         |           |            |           |            |           |            |
| Troll.....        |           | 42,037  | 115,850   | 5          | 188,341   |            |           | 346,233    |
| Gill-net.....     | 4,004,378 | 273,813 |           | 41,305     | 530,198   | 4,098,494  | 858,433   | 9,806,621  |
| Purse-Seines..... | 248,003   | 2,175   | 3,342     | 16         | 223,599   | 3,484,315  | 4,000,504 | 7,961,954  |
| Drag-Seines.....  | 183,594   |         |           |            | 9,294     | 150,071    | 5,977     | 348,938    |
| Trap-Nets.....    | 37,961    | 24,965  |           | 1,650      | 176,207   | 184,126    | 42,604    | 467,513    |
| Totals.....       | 4,473,936 | 342,990 | 119,192   | 42,976     | 1,127,639 | 7,917,006  | 4,907,518 | 18,931,257 |
| 1924              |           |         |           |            |           |            |           |            |
| Troll.....        |           | 59,265  | 73,086    | 90         | 151,376   |            |           | 283,817    |
| Gill-Net.....     | 4,252,829 | 228,924 |           | 62,680     | 515,726   | 3,583,335  | 1,587,538 | 10,231,032 |
| Purse-Seines..... | 405,795   | 2,530   |           | 1,251      | 172,041   | 8,137,898  | 4,773,994 | 13,493,512 |
| Drag-Seines.....  | 269,483   | 2,122   |           |            | 15,233    | 14,451     | 11,187    | 311,476    |
| Trap-Nets.....    | 56,123    | 13,005  |           | 1,649      | 149,220   | 18,711     | 15,103    | 253,811    |
| Totals.....       | 4,983,233 | 305,846 | 73,086    | 65,670     | 1,003,596 | 11,754,395 | 6,387,822 | 24,573,648 |
| 1925              |           |         |           |            |           |            |           |            |
| Troll.....        |           | 132,136 | 179,160   | 313        | 318,852   |            |           | 630,461    |
| Gill-Net.....     | 4,307,852 | 498,032 |           | 31,571     | 874,972   | 3,531,290  | 1,397,519 | 10,641,236 |
| Purse-Seines..... | 452,765   | 6,851   |           | 1,618      | 426,220   | 3,706,608  | 5,255,623 | 9,849,746  |
| Drag-Seines.....  | 165,023   |         |           | 1          | 6,804     | 16,369     | 8,172     | 196,369    |
| Trap-Nets.....    | 63,875    | 29,529  | 629       | 874        | 142,488   | 379,331    | 53,440    | 670,166    |
| Totals.....       | 4,989,516 | 666,548 | 179,789   | 34,377     | 1,769,336 | 7,633,658  | 6,714,754 | 21,987,978 |
| 1926              |           |         |           |            |           |            |           |            |
| Troll.....        |           | 135,246 | 328,076   | 859        | 397,094   |            |           | 861,275    |
| Gill-Net.....     | 3,634,337 | 320,962 | 13        | 79,179     | 482,579   | 2,803,151  | 1,111,695 | 8,431,916  |
| Purse-Seines..... | 403,047   | 4,357   | 3,909     | 248        | 464,211   | 10,770,891 | 6,129,410 | 17,776,073 |
| Drag-Seines.....  | 156,959   | 3,250   |           |            | 5,825     | 6,530      | 1,369     | 173,933    |
| Trap-Nets.....    | 38,080    | 26,105  | 3,864     | 399        | 94,588    | 23,353     | 40,961    | 227,350    |
| Totals.....       | 4,232,423 | 489,920 | 335,862   | 80,685     | 1,444,297 | 13,603,925 | 7,283,435 | 27,470,547 |
| 1927              |           |         |           |            |           |            |           |            |
| Troll.....        |           | 294,325 | 341,999   | 1,902      | 430,601   | 5,684      | 4,113     | 1,078,624  |
| Gill-net.....     | 3,562,885 | 275,158 |           | 77,311     | 520,229   | 2,392,434  | 516,604   | 7,344,621  |
| Purse-Seine.....  | 391,222   | 14,654  | 21,479    | 1,051      | 339,766   | 1,515,984  | 4,817,537 | 7,101,693  |
| Drag-Seine.....   | 67,220    | 2       |           | 3          | 1,490     | 212        | 6         | 68,933     |
| Trap-Nets.....    | 50,781    | 30,148  | 602       | 1,268      | 91,469    | 240,281    | 8,492     | 423,041    |
| Totals.....       | 4,072,108 | 614,287 | 364,080   | 81,535     | 1,383,555 | 4,154,595  | 5,346,752 | 16,016,912 |

## APPENDIX No. 2

## REPORT ON THE WORK OF THE BIOLOGICAL BOARD FOR 1927

By J. J. COWIE, *Hon. Secretary-Treasurer*

The Board has charge of and controls the work at the scientific stations, which are located at St. Andrews, N.B., Halifax, N.S., Nanaimo, B.C., and Prince Rupert, B.C.

It meets once a year or oftener at such times and places as may be found necessary. A committee known as the Executive Committee supervises and carries out the undertakings involved in the policies formulated by the board. Sub-committees on the Atlantic and Pacific coasts have immediate supervision under the central executive of the activities of the board.

## BIOLOGICAL STATION AT ST. ANDREW'S, N.B.

The following is a list of the investigators at this station and the work on which they were engaged:—

- Mr. W. R. Sawyer, Queen's University: "Effect of ultra-violet radiation on eggs and larvæ of fishes."  
 Dr. A. Willey, McGill University: "Copepoda of the St. Croix estuary,"  
 Dr. C. C. Benson, University of Toronto: "Chemistry of fish muscle."  
 Dr. A. H. Gee, Yale University: "Bacteria concerned in haddock spoiling."  
 Mr. A. F. Chaisson, Harvard University: "Effect of extreme salinities on fishes."  
 Dr. Jan Jansen, (University of Oslo, Norway), University of Chicago: "Nervous system of the Hagfish (*Myxine*)."  
 Mr. C. R. K. Allen, Dalhousie University: "Examination of test blocks for marine borers,"  
 Prof. H. Wasteneys, University of Toronto: "Biochemical problems."

The complete list of the scientific investigators and the periods spent by them at the station this season is as follows:—

- Mr. C. R. K. Allen, Dalhousie University; August 31 to September 16.  
 Prof. B. P. Babkin, Dalhousie University; June 28 to August 27.  
 Miss Helen I. Battle, University of Western Ontario; June 15 to September 2.  
 Dr. C. C. Benson, University of Toronto; July 12 to August 6.  
 Mr. N. J. Berrill, University of London (Eng.); June 13 to September 2.  
 Miss Mabel A. Borden, Dalhousie University; May 21 to August 9.  
 Mr. A. F. Chaisson, Harvard University; July 7 to September 12.  
 Miss Viola M. Davidson, High School of Commerce, Toronto; June 26 to August 23.  
 Dr. A. H. Gee, Yale University; July 14 to September 8.  
 Mr. N. E. Gibbons, Queens University; June 23 to September 3.  
 Prof. J. N. Gowanloch, Dalhousie University; May 21 to September 13.  
 Prof. H. B. Hachey, University of New Brunswick; June 1st to September 10.  
 Mr. W. S. Hall, University of Toronto; May 25 to September 10.  
 Dr. Jan Jansen (University of Oslo, Norway), University of Chicago; August 25 to August 31.  
 Prof. A. B. Klugh, Queen's University; June 3 to September 2.  
 Miss Margaret E. MacKay, Dalhousie University; June 25 to August 26.  
 Mr. H. S. Morton, Dalhousie University, June 25 to July 18.  
 Miss E. C. Odell, Macdonald College, McGill University; June 8 to September 17.  
 Miss J. R. Pantou, University of Toronto; June 3 to August 6.  
 Mr. R. E. Paterson, Queen's University; June 22 to August 28.  
 Miss C. E. Rice, Queen's University; June 30 to September 3.  
 Mr. A. D. Ritchie, University of Manchester (Eng.); June 13 to September 22.  
 Mr. W. R. Sawyer, Queen's University; July 2 to September 10.  
 Dr. W. W. Simpson, University of Toronto; June 4 to August 13; August 30 to September 15.  
 Miss C. M. Spence, Queen's University; June 30 to September 3.  
 Mr. W. E. Taylor, Malvern Collegiate, Toronto; June 25 to August 28.  
 Prof. H. Wasteneys, University of Toronto; July 21 to July 27.  
 Prof. A. Willey, McGill University; July 16 to August 14.  
 Miss N. E. Wright, University of Western Ontario; June 15 to August 24.



## GENERAL AND FIELD INVESTIGATIONS

The general investigations, as well as the special investigations mentioned in the previous report, were carried on during the summer, and the following additional field work was accomplished.

A survey was made of Maces bay, N.B., by Dr. Huntsman, in connection with a claim made by Fishery Overseer Conley that many small lobsters are to be found near Lepreau, which point is too far distant from the known spawning areas for their presence to be explained by immigration. It was found that in certain sheltered areas, as in Pocologan bay, the water was of sufficiently high temperature and of the right salinity to bring the lobster fry through, proving that these inlets are very important for lobster breeding.

The scallop beds at Letang harbour were investigated by Dr. Huntsman and Professor Gowanloch, of Dalhousie University. The scallops were found to be shedding their spawn and their fry were swimming about in the water on the 13th of August. This establishes an earlier spawning for the scallop of our waters than had previously been known.

An investigation was also made of the spawning period of the scallops on the Digby grounds, for which purpose scallops were obtained and shipped alive to the Biological Station. They were examined by Professor Gowanloch.

At the request of the Department of Marine and Fisheries, an investigation was carried on in Northumberland strait by Mr. H. E. Tanner and Mr. A. E. Murray to determine whether fishing for lobsters should be allowed to begin earlier than at present in the late lobster fishing district. An examination was made of the lobsters there during the first two weeks in August to determine their condition.

The Biological Board was asked to send a representative to accompany the Hudson Strait Expedition, with a view to investigating fisheries and hydrographic conditions in the strait. Mr. Frits Johansen, of Ottawa, was appointed for this work and left with the expedition from Halifax on the *Larch* July 16. During the trip to the strait drift bottles were put out and hydrographic records taken. A good collection of data and material has been made, full reports of which will appear later.

In connection with the investigations of Maritime lakes for the purpose of increasing their productivity, a survey was made of the Chamcook lakes area during the month of July by Mr. K. Chipman, of the Geological Survey, and his assistants.

The *Edward E. Prince* continued fish tagging operations, collection of algae and eel grass, and other general work, spending the greater part of the time at Cape Breton.

## VISITORS

The number of visitors to the station increases year by year, and is indicative of the interest that is being taken by scientists and by the general public in the work of the station.

Mr. H. J. Thorkelsen, of the International Education Board of the Rockefeller Foundation of New York city, visited the station on July 5 in connection with oceanographic and aquicultural plans of the board. Funds provided by that board have enabled investigators from Great Britain to take up work at this station.

Sir Halford Mackinder, Chairman of the Imperial Economic Committee, accompanied by Mr. J. J. Cowie, Secretary-Treasurer of the Biological Board, visited the station on September 18.

Among other visitors were the following: Dr. H. B. Bigelow, of the Museum of Comparative Zoology, Harvard University, Chairman of the North American Committee on Fishery Investigations; Prof. E. K. Marshall, of Johns Hopkins

University; Prof. W. A. Smith, of the University of West Virginia; Prof. P. M. Bayne, of Acadia University; Prof. E. L. Mark, of Cambridge, Mass.; and Prof. W. A. Parks, of the University of Toronto.

#### EXPERIMENTAL STATION AT HALIFAX, N.S.

Dr. H. R. Chipman, Chemist, commenced investigations on the heat capacity of cod muscle, after the construction of the calorimeter and preliminary tests had been concluded. The determinations which he completed indicated the latent heat of the fish muscle and also the specific heat of both frozen and unfrozen cod muscle. Further experiments were continued on the rusting of fish in cold storage.

Mr. Ernest Hess, Bacteriologist, was absent on holidays and leave of absence from July 1 to September 19. On his return he began an investigation of the changes which take place in the ammonia and total nitrogen in haddock muscle when stored at low temperatures.

Mr. Robert Ross, Assistant for Technical Processes, completed the designing and construction of two fillet skinning machines, one for power and one for foot operation. He carried on work on the preparation of frozen fillets in an attractive form. He resigned from this position on September 17 in order to attend Dalhousie University, but continued with work on the canning of cod chowder during such time as he was free from classes.

Mr. H. E. Tanner, Educator, resigned from his position on August 31. During July he continued the development of the educational work and the museum and worked up the results of measurements of lobsters in the gulf of St. Lawrence during the spring months. During the period of August 5-18 he investigated, with the aid of Mr. A. E. Murray, the condition of the lobsters in Northumberland strait to establish a rational close season for that region.

Mr. D. leB. Cooper continued the investigation of the chemistry of wood smoke, paying particular attention to the formaldehyde and acetic acid produced under various conditions of smoke production. He developed an electric furnace and an air mixer suitable for these investigations. His employment terminated on September 30.

Mr. Seth Crowell continued his demonstration of improved methods of splitting fish for the dried fish trade. After July 12 he was assisted by Wm. Madden. The portion of the coast covered included,—

- (a) Port Dufferin to Canso;
- (b) Shelburne to Digby and the Nova Scotia shore of the Bay of Fundy;
- (c) Cape Breton Island;
- (d) Prince Edward Island;
- (e) Halifax to Port Dufferin.

Mr. D. A. MacFadyen (University of Toronto) was employed for period from July 6 to September 30. He studied the changes in expressability of the juices of fish muscle before and after freezing at various temperatures and under various conditions of storage.

Mr. C. B. Weld continued his investigations on the changes in the microscopic structure of fish muscle during freezing and storage. His employment terminated on September 30.

During the last quarter investigations had largely to be discontinued owing to preparations for and the giving of various courses of instruction.

Mr. Ernest Hess, Bacteriologist, prepared and gave lectures for the Course for Fishermen and the Course for Cannery Foremen. He prepared provisional plans for a demonstration canning plant. During the Course for Cannery Foremen he conducted an investigation on the exhausting of cans of lobster meat.

Dr. H. R. Chipman, Chemist, was also engaged in giving lectures to the various courses being offered at the station. The investigation of the heat content of fish muscle was continued. He supervised Mr. Mahen's work.

Mr. W. W. Stewart made analyses of various samples of dried fish, ascertaining their water contents. He was unable to devote any time to the station after February 27.

Mr. K. W. Mahen continued his investigation on glazing and began further work to determine the relation between thickness of fish, temperature of brine and rate of freezing.

A number of temporary additions to the staff were made in connection with the various courses. These with dates of employment and subject taught were:—

Prof. A. Stanley Walker—January 18-February 28—Natural Resources.

Mr. Roy Anderson—January 18-February 28—Preparation of Dried and Boneless Fish.

Captain H. M. O'Hara—January 18-February 28—Navigation.

Mr. R. F. Ross—March 16-29 (part time)—By-Products.

Mr. Edgar Baker was employed as laboratory assistant during the period of January 16 to March 31.

Regular planktonic and hydrographic work has been continued at the two stations near Halifax.

#### COURSES OF INSTRUCTION

Three courses were given at the Fisheries Experimental Station during the quarter.

(1) *Course for Fishermen*: January 18-February 28. Attended by nineteen young fishermen. The courses and instructors were:—

(a) Preparation of Dried and Boneless Fish—Mr. Roy Anderson.

(b) Preparation of Pickled Fish—Mr. Robert Gray.

(c) Motor Engines—Mr. Ed. F. Mitchell.

(d) Navigation—Capt. H. M. O'Hara.

(e) Science—Drs. A. G. Huntsman, A. H. Leim, H. R. Chipman, Mr. E. Hess, and Professor J. N. Gowanloch.

(f) Natural Resources—Professors A. S. Walker and W. V. Longley.

#### REPORT ON COURSE FOR FISHERMEN, 1928

A considerable demand had come to the station during the late months in 1927 for a course in the curing of fish by drying and pickling. In response to this an effort was made to offer a suitable course. An Advisory Sub-Committee on Education was formed and the conclusion reached that the duration of such a course must be at least six weeks in order to be of benefit.

This period entailed a considerable financial loss for prospective students. A solution was reached when the Minister of Marine and Fisheries and the Biological Board of Canada decided to offer twenty-five scholarships to bona fide fishermen of the Maritime Provinces, who were between the ages of seventeen and thirty-five and who had reached grade six in the public schools.

Following this decision the following advertisement appeared in nine Maritime newspapers and one Montreal newspaper:—

#### GRANTS FOR FISHERMEN

The Biological Board of Canada offers to assist twenty-five fishermen from the Maritime Provinces to attend the Short Course for Fishermen to be given at the Fisheries Experimental Station, Halifax, N.S., during a term of six weeks commencing on January 18. Each will be given on completion of this course the sum of forty-five dollars plus the amount of railway fare for a return

trip between Halifax and the railway station nearest his home. Only bona fide fishermen from 17 to 35 years of age, who have passed through grade six in the Nova Scotia schools or an equivalent grade will be able to obtain these grants. Preference will be given to the first applicants. All applications should be addressed to Dr. A. G. Huntsman, Director, Fisheries Experimental Station, Halifax, N.S.

Through the co-operation of the Post Office Department a similar notice was displayed in two hundred and twelve post offices along the coasts of the Maritime Provinces.

In addition to this assistance which was participated in by each man who completed the course, the Rural Conference of the Roman Catholic Church gave twenty-five dollars to each man attending from the Diocese of Antigonish, regardless of denomination.

#### STUDENTS ATTENDING COURSE

Thirty-seven applications for scholarships were received. Some of these had to be refused because of lack of qualifications and a number of other applications were withdrawn.

Twenty men came to Halifax to attend the course. They were met at the railway station if they desired it and were given the addresses of suitable boarding and lodging houses. Those attending the course and their home addresses were:—

|                                               |                                             |
|-----------------------------------------------|---------------------------------------------|
| Alexander Baccardax, Poirierville, N.S.       | John M. Homans, Clam Harbour, N.S.          |
| Ellis Beiswanger, Fisherman's Harbour, N.S.   | Harold Keefe, Dover, N.S.                   |
| John C. Burke, Main-à-Dieu, N.S.              | Joseph Manuel, Canso, N.S.                  |
| Joachim Daigle, Richibucto, N.B.              | Joseph Eugène Martel, Boudreauville, N.S.   |
| Ralph F. Darrach, Herring Cove, N.S.          | Melvin Rafuse, Fourchu, N.S.                |
| Robert Newton Day, Musquodoboit Harbour, N.S. | Frank Sampson, Sampsonville, N.S.           |
| Ellsworth M. Doty, Ashmore, N.S.              | Alphonse T. Samson, Petit de Grat, N.S.     |
| Harold Flaherty, Canso, N.S.                  | Everett R. Smith, Port Hood Island, N.S.    |
| Otto R. Garrison, Indian Harbour, N.S.        | Walter Joshua Tobey, Port Hood Island, N.S. |
| Edgar Hache, Shippegan, N.B.                  | Forrest Watson, Hall's Harbour, N.S.        |

#### DURATION OF COURSE

The course began at the Fisheries Experimental Station, King's Wharf, on Wednesday, January 18, 1928, and terminated on February 28, 1928.

#### ATTENDANCE

Attendance was kept at all the regular classes and was in nearly every case 100 per cent. One man, Ellis Beiswanger, had to return home shortly after the commencement of the course. He did not qualify for a scholarship on this account.

#### HOURS AND PLACE OF INSTRUCTION

Classes began at 9 a.m. each morning. Four fifty-minute classes constituted the morning session. There were ten-minute intermissions between periods. Three similar classes were held in the afternoon commencing at 2.15 p.m. and terminating at 5.20. There were no classes after 12.50 p.m. on Saturday, except on two occasions.

All the instruction was given in the station buildings except that in "Motor Engines" which for lack of space had to be given in a show room rented from Stairs, Son and Morrow, Limited.

## INSTRUCTORS AND COURSES OF INSTRUCTION

At a meeting of the Advisory Sub-Committee on Education, attended by Rev. Father J. J. Tomkins of Canso and Prof. J. W. Trueman of the Agricultural College, Truro, besides the members of the committee, a thorough discussion of the courses desired took place.

Based on this discussion the following courses were given:—

1. *Preparation of Dried and Boneless Fish.*

Instructor: Mr. Roy Anderson, Short Beach, N.S.

2. *Preparation of Pickled Fish.*

Instructor: Mr. Robert Gray, Senior Inspector of Pickled Fish, Halifax.

3. *Motor Engines.*

Instructor: Mr. Edward F. Mitchell, Fisheries Experimental Station.

4. *Navigation.*

Instructor: Capt. H. M. O'Hara, Nova Scotia Technical College, Halifax.

5. *Science.*

Instructors: Drs. A. G. Huntsman, A. H. Leim, and H. R. Chipman, Mr. E. Hess, all of the Fisheries Experimental Station; Prof. J. N. Gowanloch, Dalhousie University, Halifax.

6. *Natural Resources.*

Instructors: Prof. A. Stanley Walker, King's College, Halifax, and Prof. W. V. Longley, Agricultural College, Truro.

Of these instructors the station was indebted to Dalhousie University for the services of Professor Gowanloch, to the Department of Natural Resources of Nova Scotia for those of Professor Longley, and to the Department of Marine and Fisheries for those of Mr. Gray. The other instructors were either on the staff of the station or were secured temporarily.

Through the courtesy of Robin, Jones and Whitman, Limited, Mr. J. H. Zwicker of Lunenburg took two of the classes in Dried and Boneless Fish.

A syllabus of the courses, together with the total number of hours devoted to each, follows.

In the case of the courses in the Preparation of Dried and Boneless and Pickled fish the class was divided into two sections so that each instructor had double the number of hours shown.

*Preparation of Dried and Boneless Fish*

(Messrs. Anderson and Zwicker. 36 hours)

Practical instruction in heading, splitting, washing, salting and drying fish. Also in the preparation of boneless fish, drying and boxing of same. Four hours were devoted to slack salting of fish as demonstrated by Mr. Zwicker. Each man prepared one thirty pound box of boneless fish and a quantity of dried fish. Included a visit to a local plant handling dried fish.

*Preparation of Pickled Fish*

(Mr. Gray. 32 hours)

Practical instruction in ripping, scraping, washing, packing and salting herring; grading herring; gutting, selecting, dredging and packing herring by the Scotch process; repacking for market; testing barrels. Each man was required to prepare and pack a quantity of herring in each of the various ways taught. A visit was made to a local fish handling plant where defects in containers and pack were pointed out.

*Motor Engines*

(Mr. Mitchell. 32 hours)

Practical work in disassembling, assembling and repairing gasolene engines. Elementary mechanics. Properties of gasolene. Cooling. Uncrating engines. Two and four cycle engines. Carburetors. Elementary electricity. Batteries. Coils. Ignition systems. Timing. Reverse gears. Valves and grinding. Oiling systems. Crude oil engines.

*Navigation*

(Capt. O'Hara. 34 hours)

Lectures with demonstrations and practical chart work. Shaping courses and measuring distances. Charts. Effect of engine on compass. Magnetic compass. Magnetic poles. Latitude and longitude. Mercator's chart. Finding magnetic courses. Nautical astronomy. True chart. Meridian altitudes. Turning true courses into magnetic ones. The sextant. Fixing ship's position. Longitude and time.

*Science*

(45 hours)

Lectures and demonstrations wherever possible. Some experiments and microscopic examinations were carried out by the men themselves.

*(a) Physics and Chemistry.* (Dr. Chipman. 15 hours).

Water, rain water, sea water, steam and ice, Expansion and contraction of water on cooling. Liquids. Solutions. Suspensions. Filtering. Saturation and supersaturation. Hydrometers. Density and specific gravity. Heat. Temperature. Conduction, Convection, Radiation. Thermometers. Boiling. Distillation. Evaporation. Condensation. Gases. Combustion. Atmosphere. Respiration. Barometers. Oxygen. Hydrogen. Carbon monoxide and dioxide. Ammonia. Liquefaction of gases. Refrigeration. Osmosis and salting of fish.

*(b) Biology and Conditions in the Sea.* 19 hours. Dr. Huntsman, 8 hours;

Professor Gowanloch, 5 hours; Dr. Leim, 6 hours.

Most important fishes. Methods of fishing. Location of fish. Migrations. Life histories of cod, haddock, herring, mackerel and lobsters. Food, rates of growth, reproduction, habits, distribution. Seasons in the water. Effect of ice. Effect of tides. Drift bottles. Circulation of water. Effect of physical conditions on distribution of animals.

*(c) Bacteriology.* (Mr. Hess. 5 hours).

Spoilage of food. Size, forms, growth, reproduction, activities, requirements of bacteria. Aerobic and anaerobic bacteria. Spore formation. Spore resistance. Bacteria in sea water. Bacteria in fresh fish. Preservation of fish by chilling, freezing, pickling, drying, smoking, salting, canning.

*(d) Principles of Curing, Drying and Freezing Fish.* (Dr. Huntsman. 5 hours).

Principles involved in bleeding, throating, splitting, washing, whitenaping and salting fish. Spoilage. Effect of low temperatures. Slow and rapid freezing. Brine freezing.

*(e) Fish Oils.* (Dr. Chipman. 1 hour).

Cod liver oil. Methods of preparation.

*Natural Resources*

(Professors Walker and Longley. 36 hours.)

(a) *Professor Walker.* (27 hours.)

Outline of industrial history. Functions of guilds and town. Mediaeval towns and fairs. Peasants' revolt. Overseas trade. Geographical, commercial and economic side of renaissance. Industrial revolution. Rise of trade organizations. Trades unions and co-operation. Economics. Demand and value. Production. Division of labour. Localization of industry. Efficiency of labour. Organization of industry. Distribution. Profits and wages. International trade. Bills of exchange. Drafts.

(b) *Professor Longley.* (9 hours.)

Co-operation. Co-operative marketing, its history, weaknesses, agencies, and types. Market information.

Mr. Anderson assisted in this course by recounting his experiences in the management of a co-operative lobster factory.

## MISCELLANEOUS CLASSES

(5 hours)

(a) *English.* (Dr. Chipman. 2 hours.)

Practice in writing business letters and simple essays.

(b) *Addresses.* (2 hours.)

Mr. A. M. Smith, of A. M. Smith and Co., gave an address on the problems confronting the exporter of dried fish.

Mr. H. V. D. Laing, of the National Fish Company, addressed the students on the problems encountered by the wholesaler of fresh fish.

## DISCUSSIONS

(Dr. Huntsman. 1 hour.)

Answers to questions submitted by students. Many other questions were answered during the course of other lectures.

## INSTRUCTION IN CANNING AND SMOKING

A number of the men requested that they be given certain additional instruction in other methods of preserving fish. Two such groups were organized which took classes after hours or on Saturday afternoons. One group, taken by Dr. Huntsman, went into the principles involved in smoking and the other group, studied the principles of canning with Mr. Hess.

## EXAMINATIONS

On the closing day of the course written examinations of one hour's duration were held in each of the six major subjects of the course. These were taken by all of the men with the following results:—

*Passed with Honours:* F. Watson, E. Smith, F. Sampson, M. Rafuse, J. Daigle, J. Manuel.

*Passed:* H. Flaherty, O. R. Garrison, J. M. Homans, H. Keefe, E. Doty, E. Martell, A. Baccardax, J. C. Burke, W. Tobey, E. Hache, A. Samson.

*Failed:* R. Darrach, R. Day.

## EVENING LECTURES AND ENTERTAINMENTS

The offer made by Professor Gowanloch to organize a series of evening lectures for the men attending the course was gladly accepted. He arranged with eight other members of the staff of Dalhousie University and the following evening lectures were given:—

"Paris." Illustrated. Prof. Mercer.

"All flesh is Grass." Illustrated. Prof. H. P. Bell.

"How we talk." Prof. E. W. Nichols.

"Life in the Sea." Illustrated. Prof. J. N. Gowanloch.

"New Zealand." Illustrated. Prof. C. Bennett.

"Value of our Foods." Prof. G. Young.

"Unification of Italy." Prof. G. Wilson.

"The Nature of Electricity." Illustrated with experiments. Prof. J. Johnstone.

"Colours and Illusions." Illustrated by experiments. Prof. J. Symons.

A series of motion picture films which were loaned by the Motion Picture Bureau, Ottawa, which dealt with sport and commercial fishing on the Atlantic and Pacific coasts were shown to the men. Acknowledgment is due to the Halifax Y.M.C.A. for the use of a lecture room and projection apparatus for these pictures.

On invitation of the Biological Club, Dalhousie University, the men were able to hear an illustrated lecture by Mr. George Whitely of Saint Johns, Nfld. on fishing activities on the Labrador coast.

Attendance at these evening lectures was not compulsory but there was usually a good attendance and considerable interest was shown in the series. The co-operation of the lecturers is gratefully acknowledged.

On Saturday evening, February 25, a dinner was given to the class in the St. Julien room, Halifax Hotel, by the fish merchants along the water front of Halifax. Among others, Mr. Alex. Johnston, Deputy Minister of Marine and Fisheries, and Hon. J. A. Walker, Minister of Natural Resources, gave short addresses.

## ACKNOWLEDGMENTS

In a course of this nature so many persons assist in an advisory capacity that it is impossible to make mention of all who deserve credit.

Notice should be made of the following firms for the loan of equipment:—

National Fish Co.

A. M. Smith and Co.

Robin, Jones & Whitman, Ltd.

A. N. Whitman, Ltd.

(2) *Course for Hatchery Officers:* February 8-21.

Attended by Inspector of Hatcheries S. Walker and by Messrs. Burgess, Gates, Heatley, McCluskey, MacKenzie, Mowat, Ross and Tait, of the Maritime hatcheries. The courses of instruction and the instructors were:—

Physics and Chemistry—Dr. H. R. Chipman, 12 hours.

Anatomy and Physiology—Dr. A. H. Leim, 12 hours.

Fish Diseases—Dr. A. G. Huntsman, 12 hours.

Hatchery Practice—Dr. A. G. Huntsman, 12 hours.

Fish Foods—Dr. A. H. Leim, 12 hours.

Discussions—Drs. Huntsman & Leim, 18 hours.



(3) *Course for Lobster Cannery Foremen:* March 16-29.

Attended by fifteen foremen. The courses and instructors were:—

- Physics and Chemistry—Dr. H. R. Chipman, 12 hours.
- Biology—Drs. Huntsman and Leim, 6 hours.
- Bacteriology—Mr. E. Hess, 9 hours.
- Principles of Lobster Canning—Dr. A. G. Huntsman, 6 hours.
- Methods of Lobster Canning—Mr. E. Hess, 5 hours.
- Equipment—Mr. E. Hess, 6 hours.
- Spoilage and Inspection—Mr. E. Hess, 3 hours.
- By-Products—Mr. R. F. Ross, 3 hours.
- Canning Lobster Paste—Mr. R. F. Ross, 3 hours.
- Canning Practice—Mr. E. Hess, 19 hours.
- Discussions—Messrs. Huntsman, Hess and Leim, 7 hours.

## CO-OPERATION WITH DALHOUSIE UNIVERSITY

In the course last year Dalhousie University, Halifax, decided to establish a scientific course in fishery matters leading up to the degree of Bachelor of Science. An arrangement was afterwards entered into between the board and the university authorities by which the board's staff would co-operate in the instruction to be given. The university is to provide instruction in the courses, other than the practical ones. The practical instruction is to be given by the Biological Board's staff, who will be given, for that purpose, the status of regular members of the university staff.

The board, at the request of the department, also undertakes to supervise the erection of, and to maintain, a laboratory at the entrance to Halifax harbour for research and instruction in marine biology in connection with the university courses. The resources of the laboratory are to be available to students of any Canadian university, under such arrangements as may be made by the Biological Board and the various universities concerned. The laboratory is to be known as the Eastern Passage Marine Laboratory.

## FIELD WORK AND ADDRESSES

Dr. Leim visited a lobster retaining pond at Stonehurst, near Lunenburg, on January 11, at the request of the department. He made an examination of the salinity and temperature and arranged to have further samples collected to follow the conditions and if possible to estimate their effect on the impounded lobsters.

Dr. Huntsman visited Canso on March 27 where he addressed a meeting of fishermen dealing with the eggs and fry of fishes and the trawler question.

## DEMONSTRATION BUILDING

No particular progress was made with this plant until March, owing to other pressing matters. The small compressor was put into automatic operation and cold storage space became available. A salt water pump and pipe line was installed. The conveyor system on the brine tank was begun in March and largely completed.

Dr. Huntsman developed a means of cutting one-half pound cakes of fillets for freezing and a simpler improved form of skinner. Several hundred pounds of "Ice Fillets" as these cakes were called, were frozen and distributed in Montreal, Ottawa, and Toronto, in one pound cartons.

## PACIFIC BIOLOGICAL STATION, NANAIMO, B.C.

## RESEARCHES

*Systematic*

*Plankton Groups*.—Mr. G. H. Wailes has continued his detailed studies of protozoa, diatoms and copepods.

*Seaweeds*.—Rev. Robert Conell has prepared a list of the seaweeds occurring in the vicinity of the Station and Miss D. Newton has added some contributions.

*Annelids*.—Mrs. C. Berkley has continued her studies in this group.

*Prawns and Shrimps*.—Miss Alfreda Berkeley has worked out the species occurring on our Pacific coast.

*Parasitic Copepods*.—Miss Ruby Bere made an extensive collection of material in 1927 and worked over this as well as a great deal of material collected by various workers in recent years.

*Sponges*.—Mr. I. E. Cornwall has commenced a study of the sponges of our coast.

*Morphological*.—Mr. L. L. Bolton continued his detailed researches on the histological structure of the digestive tracts of fishes.

*Physiological and Biochemical*.—Dr. Blythe Eagles with the assistance of a grant from the Banting Foundation determined the distribution of glutathione and ergothioneine in the tissues of fish and many marine organisms.

Dr. F. D. White continued his study of the life-history of teredo and also undertook an investigation of the blood sugar of fish.

Dr. A. R. Fee made a special study of the secretion of urine in dogfish.

*Life-Histories and Ecology*.—Miss Alfreda Berkeley commenced a study of the life-histories of prawns and the economic phases of the prawn fishery of the coast.

Miss Gertrude Smith carried out a study of the ecological distribution of decapod crustacea in the vicinity of Sidney, B.C.

Dr. L. G. Saunders studied the life-histories and ecology of marine insects.

Mr. G. V. Wilby continued his investigation of ling cod, with special reference to the spawning.

*Oceanographical*.—The oceanographical studies in the strait of Georgia with special reference to the movements of the Fraser river water were continued.

Dr. A. H. Hutchinson dealt with the quantitative distribution of the phytoplankton and Miss Mildred Campbell with the zooplankton. Mr. C. C. Lucas dealt with the physico-chemical characteristics and Dr. W. A. Clemens handled the drift bottle work. Dr. H. C. Williamson has been making a study of oceanographical and plankton conditions throughout the year along the west coast of Vancouver island in connection with the studies of the pilchard and herring fisheries. The need for an extensive oceanographical program for the west coast has become very evident and if arrangements can be made for the use of a suitable boat the investigations will be commenced this summer.

The collection of oceanographical data is being made throughout the year at the wharf at the station, at a point in the strait of Georgia, in the strait of Juan de Fuca, near William Head through the courtesy of the Department of Public Health, and from two stations near Prince Rupert by the Fisheries Experimental Station. Daily temperature records of the Fraser river water are being obtained near New Westminster through the courtesy of the Fisheries Branch.

*Miscellaneous.*—Miss Dorothy Newton conducted some experiments with the cross fertilization of species of fucus.

Mr. C. Berkeley continued his studies of the luminescence of marine bacteria and commenced a study of annelid-algal symbiosis.

Dr. and Mrs. W. A. Clemens studied the collection of sockeye salmon scales of 1927 for the provincial Fisheries Department.

#### FIELD INVESTIGATIONS

##### *Propagation of Sockeye Salmon*

Dr. R. E. Foerster continued his studies at Cultus lake and is reporting in detail.

##### *Salmon Tagging*

The tagging of small coho salmon was carried out in the spring of 1927 in the strait of Georgia for the purpose of determining the locality to which these fish would eventually go to spawn and also to demonstrate to the fishermen that these small fish known as "bluebacks" would develop into cohoes and that they make a very rapid growth. This tagging was done by Mr. G. V. Wilby. The tagging of spring salmon was carried out on the west coast of Vancouver island off Quatsino and Kyuquot sounds from February to August. Mr. W. F. Baxter and Mr. C. McC. Mottley were engaged in this work. The object of this tagging was to determine if these more westerly fish had the same ultimate destination as those occurring off Barclay sound.

Mr. C. McC. Mottley made a special study of the scales of the spring salmon which were tagged, obtaining information as to their early history and determining their ages.

##### *Herring and Pilchards*

Dr. H. C. Williamson continued his studies of herring in the strait of Georgia and on the west coast of Vancouver island. In conjunction with this work, Mr. J. A. Munro, Chief Federal Migratory Bird Officer for the Western Provinces, spent four weeks at the station studying the relation of sea fowl to the spawning of herring. Special attention was given to gulls and to some extent to ducks.

Dr. Williamson has also been carrying out an extensive study of the pilchards of the west coast of Vancouver island. He has been giving special consideration to the relation of the physico-chemical factors and plankton occurrence to the movements and distribution of these fish. Mr. Mottley gave assistance for a short period in the field and Mr. G. H. Wailes has assisted with the qualitative and quantitative examination of the plankton collections and with the study of the stomach contents of both pilchards and herring.

##### *Clams*

Dr. C. McLean Fraser, with the assistance of Miss Gertrude Smith, continued the study of clams in the vicinity of Sidney, B.C. The results of the investigation have led to a modification of the clam fishing regulations.

##### *Oysters*

Mr. C. Roy Elsey gave continuous study throughout the summer to the propagation of the Japanese oyster in Ladysmith harbour. There has been doubt as to the ability of this oyster to spawn successfully, at least every year. Mr. Elsey kept the oysters under several artificial conditions and kept close observation of the oysters under natural conditions. Records of the physico-chemical conditions were kept in all cases. Spawning under natural conditions was very limited while under artificial conditions quite successful. It would appear that temperature was the most important factor. A shipment of spat was obtained from Japan for experimental work on later development.

*Trout Propagation*

While no field work was carried out this year, various fish and game associations and fishery officers sent in specimens which have been examined by Prof. J. R. Dymond. As stated in last year's report, it seemed necessary as a preliminary to any trout cultural studies to determine the identity of the trout occurring in British Columbia. Prof. Dymond undertook the systematic study and asked that a young man be assigned to assist him during the winter of 1927 and in the field in 1928. In this way the assistant would become familiar with the systematic phases of the work and obtain the training necessary for the carrying out of the life history and propagation phases of the work. Mr. C. McC. Mottley was assigned to the investigation and spent six and one-half months at the University of Toronto.

Special study material have been supplied to:—

Professor Simon Gage, Cornell University, Lamprey larvæ and adults;  
Dr. A. G. Revell, University of Alberta, fixed tissues of ling cod for histological study.

Visitors to the station during the year included Mr. J. J. Cowie, Mr. W. A. Found, and Mr. John Dybhavn.

Laboratory accommodations for short periods were given to:—

Dr. Bisby, College of Agriculture, Winnipeg, for the collection of fungi;  
Dr. Parker D. Trask, Scripps Institution, for collection of bottom sediments;  
Dr. J. H. Erwin, Saskatoon, collection of museum and study materials;  
Dr. Paul Hiebert, University of Manitoba, survey of chemical problems.

*Conference of Pacific Coast Investigators.*

During the last week in August a conference of the board's investigators on the Pacific coast was held at the Nanaimo station. Those in attendance were: Dr. Hutchinson, Dr. White, Mr. Wailes, Mr. Finn, Mr. Brocklesby, Mr. Smith, Dr. Foerster, Dr. Williamson, Dr. Clemens. Reports of the investigations being carried out by the workers were given and were followed by discussions.

*Associate Committee on Oceanography, National Research Council.*

Following the meetings of the Pan-Pacific Science Congress in Japan, the National Research Council agreed to the formation of an Associate Committee on Oceanography which should establish connections with similar committees in other countries bordering the Pacific and attempt to bring about co-ordination and co-operation in the study of marine problems of the Pacific. A meeting was called by President Tory on January 7 in Edmonton and Dr. C. McLean Fraser was selected as the Chairman of the General Committee. Three sub-committees were decided upon namely:—

Physical and Chemical Oceanography—Dr. A. H. Hutchinson, Chairman.  
Marine Biology—Dr. W. A. Clemens, Chairman.  
Fish Technology—Mr. D. B. Finn, Chairman.

## PUBLICITY AND EDUCATION

An exhibit illustrating the results obtained from the tagging of spring salmon was prepared and placed in the Vancouver and New Westminster Fall Exhibitions. In both places the exhibit attracted a great deal of attention. Later the exhibit was placed in a store window in Nanaimo.

Eight newspaper articles dealing with the work of the Nanaimo Station were published by Mr. Norcross, Editor of the *Vancouver Star*. An article was also published by the *Victoria Colonist*.

During the year 846 persons visited the station museum. The average annual attendance for the past four years has been approximately 800 individuals.

Two small aquaria are being installed and these should serve to maintain interest in the marine forms. Mr. and Mrs. R. G. Good are preparing a number of fish casts for display.

Public lectures have been given in Nanaimo, Duncan and Vancouver.

#### PROPERTY DEVELOPMENT

During the year a coal and wood shed and garage was constructed to replace a very old structure which was about to collapse. A new salt water pump has been installed to provide a more adequate salt water supply to the laboratories and to provide fire protection. It is planned to later use salt water in the sanitary services in order to conserve the supply of fresh water. A new float was constructed at the end of the wharf and also a float to carry live-boxes for the purpose of keeping fish and other forms under experimental conditions. Four galvanized screen cages have been installed and other wooden cages will be made. Dr. Foerster has placed yearlings of three races of sockeye salmon in the cages in order to study the development of these races under identical environmental conditions.

#### THE FISHERIES EXPERIMENTAL STATION AT PRINCE RUPERT, B.C., 1927-28

##### BUILDING

The building program for the last year has been confined to the completing of the interior of the building as described in the previous report. The library has been equipped with a full set of adjustable shelves. The laboratory has been further equipped with shelving, benches and cupboards. A store-room was built in the attic in which there has also been constructed a thermostatically controlled and properly ventilated animal room for metabolism work in connection with the vitamin assay work.

A gas machine has been installed in a small separate building which is also used to store combustible and explosive chemicals.

The installation of air compressing apparatus and hot-water boiler has been completed, and the electrical wiring extended so that the laboratories are now supplied with compressed air, gas, electricity, and hot and cold water.

##### LIBRARY

The library has been added to, mainly in the acquisition of the back numbers of technical journals and the most recent chemical publications concerning the work in hand.

##### LABORATORIES

Most of the standard equipment for the laboratory has been secured but apparatus still must be procured. Capital expenditure in this direction will be reduced during the coming year.

##### *Refrigeration.*

##### INVESTIGATION

In accordance with the plan as outlined in the previous report, Mr. I. M. Fraser of the Department of Mechanical Engineering of the University of Saskatchewan was appointed to complete the design of a model freezing plant. During the summer months Mr. Fraser completed plans and secured tenders on construction, but contracts were not let owing to there being no space available for its erection. No satisfactory arrangement could be made for the erection of the plant on the property of the Canadian Fish and Cold Storage Company. Thus the progress which was hoped for was not made. If this work is considered by the board to be worth while, immediate steps should be taken to secure the necessary accommodation for this demonstration plant.

Work is at present being undertaken upon the comparative effects of rapid and slow freezing on the chemical composition and food value of fish. A study of the changes which occur in the fats and oils of fish during storage. An examination of the nature of and condition responsible for the production of rusting.

During the coming year it is hoped that by the erection of properly controlled low temperature rooms, this work may be extended to an investigation of changes in both physical and chemical characteristics during prolonged storage, especially with regard to changes which occur in quickly frozen fish during storage.

It is also hoped that during the coming year proper provision will be made for the erection of a demonstration refrigeration plant.

### *Vitamin Research.*

#### OILS

The station has now a properly equipped animal room and is provided with the apparatus for the carrying on of its work in testing the vitamin potency of fish oils.

One paper, the Determination of Vitamin A Content in Liver Oil of the Dogfish, *Squalus Sucklii*, by H. N. Brocklesby, has been published in the "Canadian Chemistry and Metallurgy" September, 1927. Mr. Brocklesby is now engaged in a vitamin D assay of the same oil, which work is rapidly nearing completion.

Eventually it is hoped to extend this work to many other fish oils and to determine seasonal variation as well as the effect of various methods of processing upon the vitamin potency.

Work on the oil changes in fish during long storage has already been outlined under refrigeration.

### *Composition and Properties of Fish Oils*

An investigation into the chemical composition and behaviour of salmon oil has been started. The possibility of its use in paints and varnishes is being explored. Its behaviour to heat and oxidation and various other treatment has been studied, but it will be some time before this work is completed.

Samples of other oils, such as pilehard, oulachan, halibut, skate, and rat-fish oils have been procured, and it is hoped that these will be examined in a similar manner in the near future.

### *Fish Glues*

Fish glue is manufactured commercially only by secret process. Because of this a great deal of preliminary experimental work has been necessary to ascertain standard methods of preparation and testing of glues.

Five or six of the most recent and widely used methods of preparation found in the literature were adopted, and about twenty-five samples of glue were prepared by these methods from halibut and salmon waste, whole dogfish and skate.

A selection of these glues has been sent to the Forest Products Laboratories, Vancouver, where their strengths will be measured in glued wooden joints made up under working conditions. A report will be made on their comparative adhesive powers, and their commercial value and fitness for different kinds of wood-working.

At the same time investigations are being made on the viscosity, hygroscopicity, ash content and nature of ash, drying rate and gel point of these different samples. The correlation of this data with the results of the strength tests should furnish valuable information as to what properties are desirable in a liquid glue and what methods of preparation show most promise of yielding good quality glue.

## DISCOLORATION OF HALIBUT IN HOLDS OF VESSELS

Investigation of this problem was carried on throughout the summer months. Firstly observations were made as to the conditions of the holds in fishing vessels in which discolored fish were found. Secondly, attempts were made to reproduce conditions which produced discolored fish, and thirdly, an attempt was made to isolate certain factors which were responsible for the discoloration. Among these a bacteriological examination of the holds and of the surface of the halibut holds promise of much valuable information. This work is planned for the coming year.

## MUSEUM

During the past year the station undertook to place an exhibit in the Prince Rupert Fair. This exhibit attracted wide attention, and indicated that further efforts in this direction would be quite worth while.

## PRAIRIE LAKES INVESTIGATIONS

The following report deals with the scientific investigation of the lakes of the Prairie Provinces in the year 1927. This year marks the commencement of the systematic study of this region. The investigations were in the nature of a preliminary survey of a number of lakes with a view to gaining a general knowledge of the problems of fisheries and fish culture in the Prairie Provinces.

The party in the field was under the charge of Mr. A. Bajkov, who was ably assisted by Mr. Alan Mozley (as general assistant), Mrs. B. Sharman (as chemical assistant), and for a short time by Mr. F. Neave and Dr. H. Chat-away.

## SUMMARY OF WORK

1. *Alkaline Lakes of Saskatchewan*

There are a great many alkaline lakes in Saskatchewan and Alberta. These lakes form a homogeneous group, individual lakes differing only slightly from one another in the essential features of their flora and fauna. Many of these lakes are without commercial fish at the present time and it is very desirable to establish fisheries on these lakes, if possible, as there is an abundance of food. Moreover, fish from alkaline lakes are in general of superior quality.

A few of the most important of the alkaline lakes of Saskatchewan were selected for examination during the past year, namely: Little and Big Quill lakes, near Wadena, Sask., and the Manitou group near Yonker, Sask. These lakes were visited at all seasons, and a satisfactory beginning was made on their study.

It appears that whitefish (*Coregonus clupeaformis*) and ciscoes (*Leucichthys* sp.) will thrive in certain of these lakes. The dominant animals, namely: *Corixa* sp., *Hyalella knickerbockeri* and *Diaptomus sicilis*, are admirably suited as food for these fishes. It is quite possible that a commercial fishery will be established on the Quill lakes in a few years, as the whitefish and cisco appear to be doing well in these lakes.

2. *The Lake Winnipeg System*

Under this heading are included lake Winnipeg proper and its connected waters.

*Lake Winnipeg.*—Lake Winnipeg is the most important lake coming within the scope of this investigation. Any further study of the lakes of the Prairie Provinces must be based on a thorough knowledge of this lake. It is the fundamental type of this area.

During the past year a beginning has been made with this work. Examinations were made at all seasons at various parts of the lake. A great many plankton selections were secured (both quantitative and qualitative), which will be very valuable in the future. A fine collection of lake Winnipeg fish and fish stomachs was obtained. A certain amount of information was also secured regarding the associated animals, especially the mollusks, physical and chemical conditions were observed.

*Lakes Winnipegosis and Manitoba.*—Lakes Winnipegosis and Manitoba rank second in importance to lake Winnipeg. The detailed investigation of these lakes should therefore be postponed until a better knowledge of conditions in lake Winnipeg has been obtained. It will therefore be the best policy to make only short visits to these lakes for routine observations during the coming year.

In 1927 and 1928 several visits were made to these lakes at different seasons. The usual collections of plankton, fish, fish stomachs and associated animals, together with certain significant hydrological data were obtained.

*Marking Fry.*—As fry are being planted in lake Winnipegosis at the present time, A. Mozley has proceeded thither for the purpose of marking a large number, prior to their introduction into the lake.

*Lake Dauphin.*—A short visit was made to lake Dauphin during the past summer and a certain amount of useful information obtained. It seems that this lake will be useful for comparison with some of the alkaline lakes. It is therefore proposed to pay another visit to this lake during the coming summer if the time is available.

*Eastern Tributaries of Lake Winnipeg.*—Examinations were made of the following eastern tributaries of lake Winnipeg: Winnipeg river, Whiteshell river, Berens river, Big Black river. These eastern tributaries are of a distinct type as they drain the forested regions of eastern Manitoba. The study of the sturgeon was commenced in this region.

*Other Lakes.*—Lake St. Martin, Clearwater, Clear and Long lakes in Manitoba, and Fishing lake in Saskatchewan, were examined. A detailed report on Clearwater lake is appended.

The headquarters for these investigations were at the University of Manitoba, Zoology Department. Since Prof. O'Donoghue's departure, temporary quarters have been obtained in his vacated office.

A beginning has been made in the establishment of a reference collection of the plants and animals collected in the course of the investigations. This will be very valuable in the future. A number of important and essential reference books have been purchased which will form a basis for a library.

A small sailing yawl with auxiliary motor has been purchased for use on lake Winnipeg during the coming season. A few essential instruments have also been purchased.

It has been deemed advisable to make a few alterations in this boat, the most important one being the construction of a weatherproof cabin in order that work may proceed with less interruption from external conditions. Minor expenses in connection with the vessel include painting and the purchase of a few essential instruments, etc.

#### FISH—CULTURAL INVESTIGATIONS

The investigation into the propagation, natural and artificial, of sockeye salmon at Cultus lake, British Columbia, has now been in progress for three years. The work is essentially a field study but owing to the extent of the investigation it has had to be, of necessity, firmly established.



The station, known as the Pacific Salmon Research Station, consists primarily of the following structures:—

(1) A five-room bungalow, of which one room has been thus far set aside as a laboratory. A small store-room is located in the basement. The house is situated on the lake-front, occupying two of the 25 by 60-foot lots rented annually from the Cultus Lake Park Board.

(2) A 5 by 5 mesh galvanized iron screen fence, approximately two hundred feet long and eight feet high, constructed for the purpose of trapping and counting the small sockeye during their seaward migration. The fence was constructed in 1925.

(3) A hatchery and bungalow below the lake, erected in 1925 with funds returned to the department by the board for this purpose.

(4) A subsidiary hatchery and residence at Smith Falls on the east side of Cultus lake, erected in 1926 by the department.

(5) A picket weir with traps constructed some years ago for capturing and counting adult sockeye, migrating to the lake. This structure may later have to be removed and arrangements may be made for trapping the adult fish at the screen fence.

The hatcheries are operated by the Fisheries Branch in accordance with instructions issued by the Research Committee on Fish-culture as the program of the investigation directs.

The program of the investigation has been previously outlined. By the nature of the work each year's studies are conveniently divided into two sections—the enumeration and study of returning parent fish in the fall, and the enumeration and study of the down-stream migrating young in the spring. These studies are supplemented by experimental work and the elucidation of other life-history problems.

The investigation has not yet covered an entire cycle period of four years and the data obtained cannot therefore be completely correlated. As far as it has progressed, however, the results are:—

#### *Natural Propagation*

*Fall of 1925.*—Adults passing to lake—1,540 males, 3,883 females. Calculating 4,500 eggs per female, the total deposition was 17,473,500.

*Spring 1926.*—Down-stream migrants resulting from 1925 spawning—Fry only—12,568, or 0.07 per cent.

*Spring of 1927.*—Down-stream migrants resulting from 1925 spawning.—Yearlings only, 183,272, or 1.05 per cent.

*Spring of 1928.*—Down-stream migrants resulting from 1925 spawning.—Two-year-old migrants, now being counted.

The product of the 1925 spawning will return in 1929 as adult fish.

*Fall of 1927.*—Adults passing to the lake—25,658 males, 55,569 females. Total number of eggs carried to spawning beds, 250,060,500.

In 1927 the program called for artificial propagation with planting of eyed eggs, but due to the fact that a big run was indicated it was decided to alter the program in 1927 and 28, reversing the methods to be used. By this means the extent of the big year run could be determined and the effect of a very heavy spawning ascertained.

*Spring of 1928.*—Down-stream migrants resulting from 1927 spawning—Fry only—Count now proceeding, 91,000 taken to date.

*Artificial Propagation With Distribution of Fry*

*Fall of 1926.*—Adults counted—3,122 males, 1,949 females. Total eggs contained in the run, 8,770,500.

|                                                        |                    |
|--------------------------------------------------------|--------------------|
| Total loss in females found dead due to retention..... | 1,174,500 or 13.4% |
| Total loss due to incomplete spawning.....             | 1,108,360 or 12.6% |
| Total loss occurring during development.....           | 570,500 or 6.5%    |
| Total loss previous to distribution.....               | 32.5%              |

*Spring of 1927.*—No Sockeye fry migrated.

*Spring of 1928.*—Down-stream migrants from spawning of 1926. Yearlings only—Count now proceeding, 170,621 taken to date.

*Artificial Propagation With Planting of Eyed Eggs*

This method of propagation will be carried out this fall. The capacity of the hatchery being 6,000,000 eggs, the collection will be limited to that number. Provision is being made for the economical disposition of the excess fish, if any.

Reports on the studies of the 1925 and 1926 sockeye runs of parent fish and of the hatchery operations of 1926-27 are in the hands of the Editor. The first report on the study of the down-stream migration, that of 1927, is being submitted for publication.

In connection with the spring migrations a proportion of each migration are being marked in order to determine the numbers caught commercially, the number that return to Cultus lake and to trace their movements to other areas. During the test counting of 1926, which does not enter otherwise into the investigation proper, 101,200 migrants were marked by removal of both pelvic fins. They are expected to return this fall and arrangements will be made with canneries and with American authorities whereby the numbers caught commercially may be ascertained. During the counting of 1927, 91,600 migrants were marked by removal of both pelvic fins and the adipose. During the present counting, approximately 100,000 will be marked by removal of both pelvic fins and the posterior half of the dorsal.

## ECOLOGICAL STUDIES

Ecological conditions related to the investigation are being carried out, such as, character and abundance of food in the lake, physical and chemical conditions prevailing in the lake, enemies and parasites.

## EXPERIMENTAL WORK

Problems related to the fertilization and hatching, feeding, etc., of sockeye are being carried out at the hatchery as opportunity and time allow. Sockeye now retained for two years, are being reared to maturity in order to check their growth against scale readings.

## APPENDIX NO. 3

## NATURAL HISTORY REPORT

BY ANDREW HALKETT, *Naturalist*

The main subjects summarized in the report, and which are drawn upon from material contained in previous detailed reports, are these:—

Scallop investigations made in Mahone bay, N.S.

Exploratory work carried on in search of areas where scallops exist in paying quantities at coasts of the three Maritime Provinces.

Examination of oyster beds at Upper Caraquet bay, Gloucester county, and at Baie du Vin, Northumberland county, N.B.

## SCALLOP INVESTIGATIONS MADE IN MAHONE BAY

These investigations were made between the dates of 8th and 22nd June, and as was done in 1926 were engaged in from three separate starting points, viz.: Indian point, Ernst island, and Tancook.

The condition of the scallop beds in Mahone bay has been annually examined since the year 1919. At that time it had been alleged that the scallop was becoming depleted in that bay, which led to departmental measures being taken to conserve it. It was not then known that the spawning time of the scallop in Mahone bay is in September in which month it was then legal to fish for it.

That having been ascertained, a new regulation was enacted prohibiting the taking of scallops in September, and as since 1919 the examining of the condition of the beds has been intrusted to me, among other matters of importance pertaining to my observations, I kept a constant lookout for the reappearance of the coming up young scallops.

This watching went on for four years, before I was able to detect signs of their appearance. The signs were first noticed in 1923. This led me in 1924 to watch for further evidence, but as in that year I did not detect any marked difference from what I had seen in the previous year, I patiently refrained from reporting anything regarding the matter until I was absolutely sure of my premises.

In time I began to hear of fishermen coming across scallops in January or so no bigger than a ten cent piece attached by byssus to other objects. Of that, however, I had no knowledge at first hand.

In 1925 the visible signs of the appearance of the coming up of the young scallops was so obvious that the phenomenon was reported by me in the report of that year.

As soon as I began the observations in that year, which were made in the month of August, I discerned distinct signs of improvement.

At a place examined at the western part of the bay, starting from Indian point, and not many miles from the town of Mahone, all of two-thirds of the scallops were under 4 inches, the largest was  $3\frac{1}{2}$  inches, and the remainder ranged from  $5\frac{1}{4}$  to  $7\frac{1}{4}$  inches.

Cruises were also made in 1925 among the scallop beds off various islands and off Gull Edge, and although the proportion of smaller to larger scallops at

those places was less than that at the place just mentioned, nevertheless about one-third of the total number over all the places examined in conjunction were young coming up scallops, as the following figures reveal:—

|                                                 | Four inches<br>and under | Above four<br>inches |     |
|-------------------------------------------------|--------------------------|----------------------|-----|
| Off Indian point.....                           | 29                       | 14                   | 43  |
| Among the islands, approached from Tancook..... | 82                       | 185                  | 267 |
| Off Gull Edge.....                              | 4                        | 27                   | 31  |
|                                                 | 115                      | 226                  | 341 |

In the year 1926 the scallop beds were examined, from the three starting points already mentioned, between the dates June 24 and July 16, and a second time between August 16 and 26.

On both occasions at the western part of the bay as approached from Indian point the number of scallops of 4 inches and under was much in excess of those over 4 inches. On the first occasion there were 250 of the former and 45 of the latter, and on the second occasion 129 of the former and 58 of the latter. Taken together, the number of 4 inches and under was 379 and the number over 4 inches 103. This was unprecedented.

As approached from Tancook, July 8-12, there were 20 of 4 inches or under and 69 over 4 inches, and as approached from that place, August 25, there were 26 of 4 inches or under and 54 over 4 inches. Taken together, the number of 4 inches or under was 46 and the number over 4 inches 123.

As approached from Ernst island, July 15, there were 2 of 4 inches or under and 15 over 4 inches, and as approached from that place, August 20 and 21, there were 7 of 4 inches or under and 65 over 4 inches. Taken together, the number of 4 inches or under was 9 and the number over 4 inches 80.

Taken jointly, the following figures, according to the three starting points, show the proportions of smaller and larger scallops obtained in Mahone bay *in toto* for 1926:—

|                    | Four inches<br>and under | Over<br>four inches |     |
|--------------------|--------------------------|---------------------|-----|
| Indian point.....  | 379                      | 103                 | 482 |
| Tancook.....       | 46                       | 123                 | 169 |
| Ernest island..... | 9                        | 80                  | 89  |
|                    | 434                      | 306                 | 740 |

The investigations for 1927 were made earlier in the season than were those of 1926. They were commenced on June 8 and finished on June 22, whereas in 1926 they were commenced on June 24 and finished on August 25. This is mentioned because the proportion of scallops of 4 inches and under at the western part of the bay in 1927 was much below what it was in 1926. But this might be explainable by the stage of growth of the scallops, surmising that at the earlier period a 4-inch mesh, which is the legal size, did not procure many of the smaller scallops of the time. Therefore, if such were the case, in order to the obtaining of them a 2-inch mesh might have been required.

By June 18, however, and at a point approached from Tancook, and which was considerably eastward from where the small ones had been found in such numbers in 1926, out of 77 scallops obtained 29 were 4 inches or under and 48 were over 4 inches, which compares favourably with what had been found in 1926 in waters further away eastward from the town of Mahone.

The following figures, according to the three starting points, show the proportions of smaller and larger scallops obtained in Mahone bay *in toto* for 1927:—

|                    | Four inches<br>or under | Over<br>4 inches |     |
|--------------------|-------------------------|------------------|-----|
| Indian point.....  | 42                      | 145              | 187 |
| Tancook.....       | 29                      | 48               | 77  |
| Ernest island..... | 2                       | 21               | 23  |
|                    | 73                      | 214              | 287 |

The full complement of the shells was marked and delivered at the Experimental Station for Fisheries, Halifax, so that the ages of the scallops might be ascertained by a count of the rings.

The following supply the particulars of the scallop investigations of Mahone bay for 1927:—

## DATA OF DRAGS

Scallops

|                                                                                                                                                                          |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. June 8. Between Goat and Meisner's island, some 3 miles off Mahone. Rake drawn 600 yards. Depth 7 fathoms.....                                                        | 10 |
| 2. June 8. Between Meisner's and Steven's islands. Rake drawn 400 yards. Depth 6 fathoms.....                                                                            | 9  |
| 3. June 8. Off Steven's island. Rake drawn 300 yards. Depth 5 fathoms.....                                                                                               | 1  |
| 4. June 8. Off Steven's island. Rake drawn 300 yards. (Opposite way from 3.) Depth 5 fathoms.....                                                                        | 4  |
| 5. June 9. Off Gull Edge. Rakes drawn 200 yards. Depth 5 fathoms.....                                                                                                    | 0  |
| 6. June 9. Off Gull Edge. Rakes drawn 400 yards. Depth 5 fathoms. Sea-bed rocky with a few empty scallop shells.....                                                     | 3  |
| 7. June 9. Off Steven's island, Rakes drawn 600 yards. Sea-bed rocky and muddy with dead eel-grass and some empty scallop shells.....                                    | 8  |
| 8. June 11. Between Spectacle and Steven's island. Rakes drawn 500 yards. Depth 8 fathoms. Sea-bed rocks and mud.....                                                    | 21 |
| 9. June 11. Off Gull Edge. Rakes drawn 300 yards. Depth 4 fathoms. Sea-bed rocks and mud.....                                                                            | 7  |
| 10. June 11. Making toward Gull Edge more or less opposite way from 9. Rakes drawn 350 yards. Depth 7 fathoms. Sea-bed rocks and mud.....                                | 10 |
| 11. June 11. Off Indian point, adjacent to village. Rakes drawn 150 yards. Depth 4 fathoms. Sea-bed mud.....                                                             | 6  |
| 12. June 13. Off Goat and Steven's island. Rakes drawn 400 yards. Depth 5 fathoms. Sea-bed rocks and mud.....                                                            | 9  |
| 13. June 13. Between Bachmann's and Meisner's islands and Steven's and Goat islands. Rakes drawn 600 yards. Depth 5 fathoms. Sea-bed rocks and mud.....                  | 37 |
| 14. June 13. Off Goat island making toward Billy Andrew's island. Rakes drawn 900 yards. Depth 5 fathoms. Sea-bed mud.....                                               | 21 |
| 15. June 14. Off Billy Andrew's island making toward Goat island. Rakes drawn 600 yards. Depth 5 fathoms. Sea-bed mud.....                                               | 12 |
| 16. June 14. Off Goat island making toward Meisner's island. Rakes drawn 900 yards. Depth 7 fathoms. Sea-bed mud.....                                                    | 17 |
| 17. June 14. Off Meisner's island making toward Goat island, and reaching opposite side of that island from 16. Rakes drawn 500 yards. Depth 6 fathoms. Sea-bed mud..... | 12 |
| 18. June 18. About 1½ miles off Tancook and making back towards Tancook with the tide. Rakes drawn 400 yards. Depth 16 fathoms. Sea-bed gravel and stones.....           | 1  |
| 19. June 18. About three-fourth mile off Jocklecap and some 3 miles off Tancook. Rakes drawn 400 yards. Depth 13 fathoms. Sea-bed smooth with some rocks.....            | 36 |
| 20. June 18. Repetition of previous raking (19) from much the same starting point. Rakes drawn 400 yards. Depth 13 fathoms. Sea-bed smooth and some stones.....          | 40 |
| 21. June 22. Off Bella island. Rake drawn 200 yards. Depth 9 fathoms. Sea-bed rocky.....                                                                                 | 3  |
| 22. June 22. Between Bella and Ernst islands. Rake drawn 200 yards. Depth 8 fathoms. Sea-bed rock, sand and mud.....                                                     | 9  |
| 23. June 22. Among the islands: Ernst, Bella and Heisler's. Rake drawn 250 yards. Depth 9 fathoms. Sea-bed rock and sand.....                                            | 6  |
| 24. June 22. Along the opposite side of Heisler's island. Rake drawn 400 yards. Depth 6 fathoms. Sea-bed rocky and sand.....                                             | 2  |
| 25. June 22. Between Heislers and Ernst islands. Rake drawn 300 yards. Depth 9 fathoms. Sea-bed rock and sand.....                                                       | 3  |

TABULATION ON THE NUMBERS AND SIZES OF THE SCALLOPS OBTAINED IN THE RAKINGS

| INCHES | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8  | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | Totals |
|--------|----|---|---|---|---|---|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 2      |    |   |   |   |   |   |   |    | 1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1      |
| 2      |    |   |   |   |   |   |   |    |   |    |    |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    | 1      |
| 2      |    |   |   |   |   |   |   |    |   |    |    |    |    |    | 1  |    | 2  |    |    |    |    |    |    |    |    | 3      |
| 2      |    |   |   |   |   |   |   |    |   |    |    |    |    | 1  | 1  |    |    |    | 1  |    |    |    |    |    |    | 2      |
| 3      |    |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    | 2  |    |    |    |    |    |    | 3      |
| 3      | 1  |   |   |   |   |   |   |    |   |    |    |    |    |    |    | 1  |    |    | 2  | 1  |    |    |    |    |    | 6      |
| 3      |    |   |   |   |   |   |   |    |   |    |    |    |    |    | 1  |    |    |    | 3  | 2  |    |    |    |    |    | 5      |
| 3      |    |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    | 3  | 2  |    |    |    |    |    | 6      |
| 3      |    |   |   |   |   |   |   |    |   | 1  |    |    |    | 1  |    |    |    |    |    | 4  | 1  |    |    |    |    | 7      |
| 3      |    | 2 |   |   |   |   |   |    | 1 |    |    | 2  | 1  | 2  | 1  | 1  |    |    |    | 2  | 1  |    |    |    |    | 11     |
| 3      |    |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6      |
| 4      | 1  | 1 |   | 1 |   |   |   |    |   | 2  |    |    | 4  | 2  | 1  | 2  |    |    | 2  |    |    | 1  |    |    |    | 17     |
| 4      |    | 1 | 1 |   |   |   |   | 1  | 1 | 1  |    |    | 2  | 2  | 3  |    |    |    | 1  | 2  | 3  |    |    | 1  |    | 14     |
| 4      | 1  |   |   |   |   |   |   | 1  |   |    | 1  | 2  | 8  | 2  |    | 4  | 5  |    | 2  | 3  | 1  |    |    |    |    | 32     |
| 4      | 3  |   |   | 1 |   |   |   | 2  | 1 | 1  |    |    | 6  | 2  | 1  |    | 2  | 2  | 7  | 3  |    |    |    |    |    | 29     |
| 4      | 1  |   |   |   |   |   | 3 |    | 1 |    | 1  |    | 2  | 3  |    |    | 1  | 1  | 3  | 1  |    |    |    |    | 1  | 20     |
| 4      | 2  |   |   |   |   |   |   |    |   | 1  |    |    |    | 3  |    |    | 2  |    | 5  | 3  |    | 1  | 1  |    |    | 19     |
| 4      |    |   |   |   |   |   |   |    | 1 |    |    |    | 2  |    |    | 1  |    |    | 1  | 5  |    |    |    |    | 1  | 11     |
| 4      |    |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    | 5  |    |    |    |    |    |    | 5      |
| 5      |    |   |   |   |   |   |   |    | 1 |    | 1  |    |    |    |    |    |    |    | 1  | 2  |    | 1  | 1  |    |    | 6      |
| 5      |    | 1 |   |   |   |   | 1 | 1  |   |    |    |    |    |    |    | 1  |    |    | 1  | 1  |    |    |    |    |    | 7      |
| 5      | 1  |   |   |   |   |   |   |    | 2 |    | 1  |    |    | 1  |    | 1  | 1  |    | 1  |    |    |    |    |    |    | 4      |
| 5      |    |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4      |
| 5      |    | 1 |   |   |   |   |   | 1  |   |    |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    | 2      |
| 5      |    |   | 1 |   |   |   |   | 3  |   |    |    |    | 1  |    |    | 1  |    | 1  |    |    |    |    |    |    |    | 8      |
| 5      |    |   |   |   |   | 1 |   | 3  |   |    | 1  |    | 1  | 1  | 2  |    |    |    |    |    |    |    |    |    |    | 9      |
| 5      |    |   |   | 1 |   | 2 |   | 1  | 1 |    | 1  |    |    |    |    | 1  |    |    |    |    |    | 1  |    |    |    | 7      |
| 6      |    |   |   |   |   |   |   | 1  | 1 |    |    |    | 2  |    |    |    |    |    |    |    |    |    |    | 1  |    | 6      |
| 6      |    | 1 |   | 1 |   |   |   |    |   | 1  |    |    |    |    |    | 1  |    |    |    |    |    |    | 1  |    |    | 5      |
| 6      |    |   |   |   |   |   |   | 2  |   |    |    |    | 1  |    |    |    |    |    |    |    |    | 1  |    |    |    | 4      |
| 6      |    | 1 |   |   |   |   | 1 | 1  |   |    |    | 1  | 1  |    |    |    |    |    |    |    | 1  |    | 2  |    |    | 9      |
| 6      |    | 1 |   |   |   |   |   | 2  | 1 |    |    |    | 2  |    |    |    |    |    |    |    |    | 1  | 1  |    |    | 8      |
| 6      |    |   |   |   |   |   |   |    |   |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    | 1      |
| 6      |    |   |   |   |   |   | 1 |    |   |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    | 2      |
| 7      |    |   |   |   |   |   |   |    |   |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1      |
| 7      |    |   |   |   |   |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1      |
| Totals | 10 | 9 | 1 | 4 | 0 | 3 | 8 | 21 | 7 | 10 | 6  | 9  | 37 | 21 | 12 | 17 | 12 | 1  | 36 | 40 | 3  | 9  | 6  | 2  | 3  | 287    |

Tabulation showing the proportions of male and female scallops according to numbers and sizes for 1927:—

| Inches                | Males | Females | Totals |
|-----------------------|-------|---------|--------|
| 2.....                | 1     | .....   | 1      |
| 2 $\frac{1}{8}$ ..... | ..... | 1       | 1      |
| 2 $\frac{1}{4}$ ..... | 1     | 2       | 3      |
| 2 $\frac{3}{8}$ ..... | ..... | 2       | 2      |
| 2 $\frac{1}{2}$ ..... | 1     | 2       | 3      |
| 3.....                | 1     | 1       | 2      |
| 3 $\frac{1}{8}$ ..... | 2     | 1       | 3      |
| 3 $\frac{1}{4}$ ..... | 4     | 2       | 6      |
| 3 $\frac{3}{8}$ ..... | 3     | 2       | 5      |
| 3 $\frac{1}{2}$ ..... | 2     | 4       | 6      |
| 3 $\frac{5}{8}$ ..... | 3     | 4       | 7      |
| 3 $\frac{3}{4}$ ..... | 9     | 2       | 11     |
| 3 $\frac{7}{8}$ ..... | 3     | 3       | 6      |
| 4.....                | 11    | 6       | 17     |
| 4 $\frac{1}{8}$ ..... | 4     | 10      | 14     |
| 4 $\frac{1}{4}$ ..... | 14    | 18      | 32     |
| 4 $\frac{3}{8}$ ..... | 17    | 12      | 29     |
| 4 $\frac{1}{2}$ ..... | 13    | 7       | 20     |
| 4 $\frac{5}{8}$ ..... | 9     | 10      | 19     |
| 4 $\frac{3}{4}$ ..... | 6     | 5       | 11     |
| 4 $\frac{7}{8}$ ..... | 3     | 2       | 5      |
| 5.....                | 1     | 5       | 6      |
| 5 $\frac{1}{8}$ ..... | 3     | 4       | 7      |
| 5 $\frac{1}{4}$ ..... | 2     | 2       | 4      |
| 5 $\frac{3}{8}$ ..... | 3     | 1       | 4      |
| 5 $\frac{1}{2}$ ..... | 2     | .....   | 2      |
| 5 $\frac{5}{8}$ ..... | 3     | 5       | 8      |
| 5 $\frac{3}{4}$ ..... | 5     | 4       | 9      |
| 5 $\frac{7}{8}$ ..... | 3     | 4       | 7      |
| 6.....                | ..... | 6       | 6      |
| 6 $\frac{1}{8}$ ..... | 3     | 2       | 5      |
| 6 $\frac{1}{4}$ ..... | 1     | 3       | 4      |
| 6 $\frac{3}{8}$ ..... | 1     | 8       | 9      |
| 6 $\frac{1}{2}$ ..... | 4     | 4       | 8      |
| 6 $\frac{5}{8}$ ..... | ..... | 1       | 1      |
| 6 $\frac{3}{4}$ ..... | ..... | 2       | 2      |
| 7.....                | 1     | .....   | 1      |
| 7 $\frac{1}{8}$ ..... | 1     | .....   | 1      |
|                       | 140   | 147     | 287    |

The above tabulation shows that the number of male scallops and the number of female are approximately equal, and this is in keeping with what in general has been found to be the case through the investigations of previous years in Mahone bay, or indeed in the investigations made elsewhere, so that the combined data reveal that the proportion of either sex virtually stands at fifty to fifty per cent.

Two of the scallops included in the tabulation were old and sagged. One of them, a female (6 $\frac{1}{4}$  inches) was not so far gone as to hinder the determination of its sex. The other (5 $\frac{7}{8}$  inches) was judged at the time to be a female with a query mark, but has been placed with the females in the tabulation.

There is something to point out here. Only within a degree is the size of a scallop a criterion of senility, or in other words some scallops are full grown and about to die when of a smaller size than others are; and the above mentioned two present an instance of that.

Tabulation showing the proportion of scallops 4 inches and under to those of over 4 inches, according to the rakings:—

## INDIAN POINT—JUNE 8-17

| Rakings | Four inches or under | Over four inches | Total |
|---------|----------------------|------------------|-------|
| 1.....  | 2                    | 8                | 10    |
| 2.....  | 3                    | 6                | 9     |
| 3.....  |                      | 1                | 1     |
| 4.....  | 1                    | 3                | 4     |
| 5.....  |                      |                  | 0     |
| 6.....  |                      | 3                | 3     |
| 7.....  |                      | 8                | 8     |
| 8.....  |                      | 21               | 21    |
| 9.....  | 2                    | 5                | 7     |
| 10..... | 3                    | 7                | 10    |
| 11..... |                      | 6                | 6     |
| 12..... | 3                    | 6                | 9     |
| 13..... | 8                    | 29               | 37    |
| 14..... | 8                    | 13               | 21    |
| 15..... | 6                    | 6                | 12    |
| 16..... | 5                    | 12               | 17    |
| 17..... | 1                    | 11               | 12    |
|         | 42                   | 145              | 187   |

## TANCOOK—JUNE 18

|         |    |    |    |
|---------|----|----|----|
| 18..... |    | 1  | 1  |
| 19..... | 14 | 22 | 36 |
| 20..... | 15 | 25 | 40 |
|         | 29 | 48 | 77 |

## ERNST ISLAND—JUNE 22

|         |   |    |    |
|---------|---|----|----|
| 21..... | 1 | 2  | 3  |
| 22..... | 1 | 8  | 9  |
| 23..... |   | 6  | 6  |
| 24..... |   | 2  | 2  |
| 25..... |   | 3  | 3  |
|         | 2 | 21 | 23 |

## RECAPITULATION

|                   |    |     |     |
|-------------------|----|-----|-----|
| Indian Point..... | 42 | 145 | 187 |
| Tancook.....      | 29 | 48  | 77  |
| Ernst Island..... | 2  | 21  | 23  |
|                   | 73 | 214 | 287 |

List of the Fauna, in general, brought up by the rakes.

*Sponges*.—One attached to a stone, another attached to a horse-mussel, and another attached to a horse-mussel valve.

*Coelenterates*.—Hydroids attached to above mentioned horse-mussel valve; several sea-anemonies.

*Echinoderms*.—Of these sea-urchins were the most numerous, although they were not in such excessive numbers as to seriously derange a balance of the fauna in general. As a rule they occurred in the rakes from one to several,



seldom none, but there were a few places notably off Gull Edge and among the islands, such as Ernst and Bella islands, where they were more or less numerous.

The number of sand-dollars, and also of brittle-stars (Ophiurians) and star-fishes inclusive of five-rayed and many-rayed kinds was not great.

At one part of the bay sea-cucumbers constitute a pest, as was ascertained in the first place during previous seasons. This place is situated off the west coast of Tancook extending for at least about  $1\frac{1}{2}$  miles. There in the season past only one scallop,  $4\frac{1}{2}$  inches, was obtained in a raking of some 400 yards.

*Annelids*.—A few of different kinds, some housed in tubes.

*Crustaceans*.—A crab (*Hyas*), a hermit-crab, a prawn, a shrimp.

*Mollusks*.—Some 10 horse-mussels, a cockle valve, 2 chitons, a so-called conch (*Lunatia*), 3 slipper-shells (*Crepidula*) attached to scallops obtained between Bella and Ernst Islands.

*Tunicates*.—Two ascidians.

*Fishes*.—Two skates, two skate egg-capsules, a flat fish.

The above list is presented in order to show the sort of living organisms that occur in Mahone bay other than scallops, and also to convey an idea as to their respective quantities. It may seem that echinoderms (sea-urchins, sand-dollars, brittle-stars, star-fishes, sea-cucumbers) are the most plentiful, and that of these sea-urchins are the most numerous. In general, however, sea-urchins or other echinoderms at the present time are not in such numbers so as to seriously affect the scallops in Mahone bay. As already pointed out urchins were fairly numerous at one or two localities, and at a spot about one and a half miles off Tancook, where sea-cucumbers occur, only one scallop was obtained.

#### NOTES

It may be interesting to state that by examining the gonads of the smallest scallops obtained it was found that such, in proportion to the sizes of the scallops, were heavily charged with the sex elements.

There are really three distinct species of scallop occurring in our maritime waters. Besides our own commercial species, the giant scallop (*Pecten tenuicostatus*), the species (*P. irradians*), commercially used in the United States, to a degree overlaps the United States border and is occasionally found in Mahone bay. During the past season a few scallops, mostly very tiny, were found in that bay and noted as *P. irradians*. Whilst engaged in exploratory work, however, off Miminegash, P.E.I., in July, two specimens of a third species (*P. islandicus*) were brought up by the drag, and being of full size I was able to identify them. This European species named after Iceland, parallels the case of *P. irradians* in overlapping, but from an opposite direction, into our maritime waters. As perchance the third species (*P. islandicus*) may casually make its way even as far southward as Mahone bay, possibly some of the very small or very young scallop specimens, which from time to time have been come across in that bay, may have been referable to *Pecten islandicus* instead of to *P. irradians* for at such an early stage of growth there might have been little to definitely distinguish them.

#### EXPLORATORY WORK CARRIED ON IN SEARCH OF AREAS WHERE SCALLOPS EXIST IN PAYING QUANTITIES AT COASTS OF THE THREE MARITIME PROVINCES

In this work considerable parts of the inshore waters of the Maritime Provinces were explored, and in the search for scallop areas close attention was given to the nature of the sea-beds in order to study out reasons why scallops are plentiful in some localities, scanty in others, and in others again altogether absent.

The patrol-boat *Mildred McColl* was placed at disposal for the work, and the coasts explored were these:—

*Gulf of St. Lawrence.*—That part of the coast of Prince county, P.E.I., embraced between Alberton and North point.

*Strait of Northumberland.*—That part of the coast of Prince county, embraced between Nail Head and Cape Wolfe; those parts of the coasts of Kent county, N.B., embraced between Buctouche and Cote Ste. Anne and between Richibucto and Point Sapin; that part of the coast of Nova Scotia operated from Wallace as a starting point and embracing off: Oak island, McDonald's cove, and cape John; and that part of the coast of Pictou county, N.S., off Big island, Merigomish.

*East Coast of Nova Scotia facing the Atlantic.*—Chedabucto bay, Guysboro county, and off cape Hogan, cape Breton; Whitehead, and Country harbour and neighbouring waters, Guysboro county; and Port Dufferin, Halifax county.

As a result of the work I can confidently assert that there are places where fishermen need never go in hope of getting scallops, for at such places they will never find them.

There are two very opposite reasons why scallops do not exist in plenty at certain places in particular. Whilst they can exist and thrive in mud of a certain consistency they cannot among the great wastes of soft mud such as were come across in the explorations at some parts of the Strait of Northumberland where hardly any living organisms of any sort exist.

On the other hand they cannot thrive at places infested with great multitudes of sea-urchins, sand-dollars, or sea-cucumbers, and although such fishes as skates and flat-fishes, which are endowed with great freedom of locomotion, find in such compacted masses over which they can easily move about a congenial haunt, they also only add to the conditions that occasion the absence of scallops from places of the kind.

In the search for scallops then, two things in particular should be kept in mind, viz: the material nature of the sea-beds and the kinds and numbers of the living organisms that have established themselves upon the beds to the exclusion of the scallops.

The nature of the sea-beds where scallops occur are diverse and varied. The composition may be of rock, gravel, sand, or even mud of a certain consistency, and with those materials, either when single or combined, there may be growths of sea-weeds and empty mollusk shells.

The mere nature of the sea-beds, however, will not account for why the scallop lives and thrives at certain localities, whilst it is not to be found at others where the physical nature of the beds, that is in so far as the materials that compose them are concerned, is essentially the same. The problem goes deeper, but in passing it may be said, there need be no fear of any serious decline in their numbers in so far as nature is concerned where once the scallop has successfully established itself.

The influence of special environment, whether in relation to the composition of the sea-bed or the kinds and numbers of living organisms upon the bed, is a reason why scallops are sometimes to be found in plenty at a certain place, whilst at an adjoining place they may not exist at all or may be so few in numbers as to be purely negligible. There is evidence to show that, barring the depleted state which owing to injudicious and over fishing the scallop had been reduced to, Mahone Bay is an instance of a place where scallops have been living and thriving, standing apart from an adjoining place where it would seem such has not been the case.

In the year 1926 an examination was made at a spot about one mile beyond the boundary of the bay and about two miles off Big Duck island. The nature of the sea-bed was composed of smooth sand with minute pebbles, and over this two rakes were drawn some 300 yards. The work, irrespective of the nature of the bottom, was heavy and laborious and had to be desisted or risk the loss of the rakes.

The organic material brought up consisted of 186 sand-dollars, a number of sea-urchins, two sea-cucumbers, a number of dead bivalve mollusk shells but no dead scallop shells, kelp and a small quantity of another kind of seaweed, and one scallop 6 inches in length.

Nowhere within the bay itself are sand-dollars, or any other sort of echinoderms, to be found in such excessive numbers.

A second drag, of some 300 yards, was made with the two rakes towards the boundary of the bay, starting from within the line and apparently dragging over and beyond it, the rakes in that case being lifted after having recrossed the line.

This drag, being adjacent to, or partly at most just over the line, is of consequence in a consideration of how in general the fauna is locally distributed.

The nature of the sea-bed was rocky, and the organic material brought up consisted of two or three sand-dollars, some sea-urchins, a many-rayed star fish, a sea-cucumber, a few broken bivalve mollusk shells including one or two scallop shells, a chiton on a stone, kelp, and 45 scallops measuring from  $3\frac{1}{4}$  to  $5\frac{1}{4}$  inches in length.

The nature of the sea-bed of the Buctouche-Cote Ste. Anne investigation which was made under the work of exploring for scallops in 1927, was mostly sandy, but there were parts where it was rocky or stony. Yet the suitable material composition of the sea-bed was counteracted by multitudes of sea-urchins, sand-dollars and sea-cucumbers, among which flatfishes, skates, crabs, etc., were moving about, and no scallops in drags totalling 3,800 yards were obtained.

The material composing the sea-beds therefore, in such cases as given above, will not solely account for either the absence or presence of scallops, for much is attributable to the kinds of organisms, and their numbers, indigenous to the places where respectively they do or do not occur.

There are places at the maritime coasts where a very varied but well balanced fauna exists and thrives. The fine red-sand-stone formation of which Prince Edward Island is composed affords an admirable instance of a place of the kind. The coasts of Prince county, P.E.I., differ considerably, either in the material composition of its sea-beds or in the manner of distribution of the living organisms indigenous to those beds, from those of all the other coasts where explorations were made in 1927.

The sea-beds there, both in the gulf and strait, are strewn with great numbers of clean and well preserved shells of bivalve mollusks, among which there exists just such a fauna in which the scallop has its part, and which, in the two coasts as taken together, embraces such living forms as horse-mussels and other bivalve mollusks; univalve mollusks; hermit-crabs; sea-urchins, sand-dollars, and star-fishes, but more or less in moderate numbers; tunicates; annelids; sea-anemonies; and sponges. Of these any manifest harm occasioned to the scallops seemed to be, when the beds were examined, on the part of the sponges. These were all confined, however, to local spots in the gulf, and any harm the sponges seemed to cause was simply that sometimes, as massive growths on the shells, the scallops were heavily laden down with them.

Paralleling as much as possible what had been done on the Prince Edward Island side of the strait, explorations were made on the New Brunswick side,

but after extensive raking with far less success. Thus, out of some 11,625 yards drawn only 69 scallops were obtained, and many of those rakings yielded none, whilst it was only at points bordering towards where they had been found more or less plentiful when approached from Prince Edward Island, that there was any manifest increase in the numbers. This was in marked contrast to the findings on the Prince Edward Island side, where out of 3,775 yards 253 scallops were obtained. Light is thus thrown on the manner in which the scallops are distributed at the northern terminus of the strait of Northumberland, and as I apprehend the scallop resource in the two provinces, taken in toto, is one and the same, bearing this in view, the only way apparently that New Brunswick fishermen could profitably engage in scallop fishing would be by going out from their own coast for at least ten miles until they got to where the scallops exist in greater numbers as approached from Prince Edward Island.

The scallops of the gulf differed in certain physical respects from those of the strait. In general they presented a clearer and more attractive appearance, but although usually of good size, none were found exceeding 6 inches across. Off Alberton,  $3\frac{1}{2}$  miles SE., in one drag over 300 yards, two rakes being used, no less than 187 scallops were obtained.

In the Nova Scotian part of the Northumberland strait explorations were made starting from Wallace, Cumberland county, and off Big island, Merigomish, Pictou county. At both these places there were great wastes of the soft mud of which mention has already been made.

In the former investigation the boat cruised about points beyond the harbour until, in so far as could be gathered, abreast of shores of Pictou county. Great stretches of the sea-bed in this region were composed of the soft mud in which hardly any living organisms of any sort existed, save an occasional stray crab or star-fish, and even where the bed was composed of sand or rock the effect of those great wastes was maintained, so that the fauna, although sometimes varied as to kind, was generally scarce in numbers. The whole environment was unadapted as a habitat of the scallop, and out of drags covering some 9,925 yards only 25 scallops were found. Scallops therefore do not exist at this part of the coast in any considerable numbers, let alone that they are not there in paying quantities.

As to the investigation made off Big island, the next and final one of the strait, the bed of the sea there was little else than a great waste of soft mud similar to that referred to under the Wallace investigation, so soft indeed that the material simply passed through the mesh of the drag as through a sieve, and when brought to the surface was as a rule entirely empty. Of living things there were exceedingly few, and in so far as scallops were concerned, out of drags totalling some 4,355 yards not a single scallop was obtained.

The final explorations were engaged in at various inshore waters of the east coast of Nova Scotia facing the Atlantic.

A very extensive examination was made of Chedabucto bay, but only nine scallops in all were found. The sea-bed of this bay is of very varied composition. According to spots the material consisted of rocks, stones, gravel, sand, or mud. At spots there were growths of kelp or of sponges, and at spots again sunken or dead eel-grass, sea-weeds, or other materials were mixed in a great mass. Instead of the clean and well-preserved mollusk shells such as were found strewn upon the sea-beds at coasts of Prince county, P.E.I., there were worn or broken valves of mollusk shells often in more moderate numbers, and they included some valves of scallop shells. The faunal forms were as a rule multitudinous but distributed very irregularly, there being spots where no living thing of any kind was to be found.

The present condition therefore of Chedabucto bay with its numerous sea-urchins, mixed with which were sand-dollars, ophiurians, star-fishes, sea-cucumbers, sponges, hydroids, sea-anemonies, crabs, dead barnacles, mussels and other mollusks, tunicates, flat-fishes, etc., is little other than a heterogeneous wilderness altogether unadaptable as a habitat of the scallop, and that any scallops exist there at all is only by casual occurrence.

At Whitehead, Country harbour and adjacent localities, and Port Dufferin no scallops were obtained.

At Whitehead the sea-bed was composed of sand, stones, mud, and muck, with growths of sea-weeds, and there were valves of mollusk shells, including some valves of scallop shells. At one spot among the weeds there were multitudes of sea-urchins; two sand-dollars were brought up with the muck; otherwise besides two horse-mussels, a limpet, a tunicate, and an egg-capsule of a skate, practically no faunal forms were found.

At Country harbour, including Isaac's harbour, cape Mocodome, etc., the sea-bed was composed of rocks and mud. At a spot among the mud at Country harbour there were numerous star-fishes and a flat-fish; a few star-fishes, a sea-urchin, and *Spirorbis* attached to bits of sea-weed were found where the sea-bed was composed of soft mud at Isaac's harbour; there were lots of sea-urchins on a hard bottom at Cape Mocodome; otherwise the faunal forms were few or none at all. A few valves of mollusk shells, including one valve of a scallop shell, were found at cape Mocodome.

Off Port Dufferin the sea-bed was composed of rocks, gravel, and mud. Multitudes of sea-urchins were found at a locality where the sea-bed was composed of rock and gravel with sea-weeds; otherwise except some star-fishes and a horse-mussel no faunal forms were found.

It need not be conjectured from the preceding paragraphs that all the inshore waters of Guysboro and Halifax counties must necessarily be entirely destitute of scallops, and in measure it is already known that such is not the case. A complete exploration, however, would require to be made before it can definitely be known where the scallops exist and where in general they do not in those inshore waters, as the following evidence may tend to show.

At Ecum Secum, which is situated between those counties, an investigation was made in 1926 and 207 scallops were obtained. It is true that although the occurrence of scallops at that place fell short of what had been expected through representations, nevertheless in proportion to the size of the area, scallops both on the Halifax county side and on the Guysboro county side were found to be there. On the Halifax side in seven rakings there were 64 scallops and on the Guysboro side in six rakings 143 scallops. Moreover, judging by heaps of shells which were seen and which had been lying on the land since 1925, and from heaps of shells seen at wharves or lying in the water, it was apparent that considerable fishing had been engaged in. The indications, however, were that owing to the circumscribed size of the area extensive fishing could not be indefinitely engaged in, and the circumstance of having in thirteen rakings procured 207 scallops is simply mentioned as an instance of a locality where scallops exist in contradistinction to other localities at coasts of those two counties where it was found they do not exist.

A complete exploration therefore of the inshore waters of Halifax and Guysboro counties is as yet a desideratum in view of its being fully known where at that part of the coast of Nova Scotia facing the Atlantic the scallop areas are.

## DATA OF DRAGS

| 1927                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Scallops |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1. July 27. Rake drawn 275 yards, 2½ miles W. by N¼ N. off Miminegash. Depths at start and finish, 9-10½ fathoms. Nature of sea-bed sand with dead scallop and other bivalve shells. Faunae, a few sand-dollars and a hermit crab. . .                                                                                                                                                                                                                                                     | 1        |
| 2. July 27. Rake drawn 300 yards, 2½ miles W. by N, off Miminegash. Depths at start and finish 11½-11 fathoms. Nature of sea-bed sand with dead scallop and other bivalve shells. Faunae, star-fish, 2 tiny sea-urchins, a few sand-dollars, a horse-mussel. . . . .                                                                                                                                                                                                                       | 28       |
| 3. July 28. Rake drawn 600 yards, 2½ miles W. off Miminegash. Depths at start and finish 11½-11½ fathoms. Nature of sea-bed sand with dead scallop shells and a stone. Faunae, a few sand-dollars, 2 horse-mussels, one attached to pebbles, 4 specimens of a bivalve mollusk ( <i>Cythaerea</i> ) . . . . .                                                                                                                                                                               | 58       |
| 4. July 28. Rake drawn 500 yards, 2½ miles W. off Miminegash. Depths at start and finish 11½-11½ fathoms. Nature of sea-bed sand with dead scallop shells and a stone. Faunae, sand-dollars and a specimen of <i>Cythaerea</i> . . . . .                                                                                                                                                                                                                                                   | 25       |
| 5. July 28. Rake drawn 450 yards, 2 miles W¼ S. off Miminegash. Depths at start and finish 8-10 fathoms. Nature of sea-bed sand, rocks and pebbles (red sand-stone)—a piece of kelp. Faunae, a hermit-crab and 6 horse-mussels. .                                                                                                                                                                                                                                                          | 8        |
| 6. July 28. Rake drawn 300 yards, 3 miles W. by N½ N. off Miminegash. Depths at start and finish, 12-11½ fathoms. Nature of sea-bed sand and rocks. Faunae, 6, 5-rayed and 2, 6-rayed star-fish, some horse-mussels. . . . .                                                                                                                                                                                                                                                               | 39       |
| 7. July 29. Rake drawn 300 yards, 7½ miles N.W.¼ N. off Miminegash. Depths at start and finish 17-17 fathoms. Nature of sea-bed gravelly with numbers of old dead scallop shells. Faunae, 1, 5-rayed, 3, 6-rayed and 2 many-rayed star-fish (one of the 6-rayed with a gastropod in its mouth), a number of sea-urchins, a male <i>Pecten islandicus</i> . . . . .                                                                                                                         | 47       |
| 8. July 29. Rake drawn 250 yards, 8½ miles N.W. off Miminegash. Depths at start and finish 17½-18 fathoms. Nature of sea-bed gravelly. Faunae, 6 and many-rayed star-fish, a male specimen of <i>Pecten islandicus</i> . . . . .                                                                                                                                                                                                                                                           | 30       |
| 9. July 29. Rake drawn 500 yards, 9 miles N.W. off Miminegash. Depths at start and finish 20-20 fathoms. Nature of sea-bed mud. Faunae, sea-mouse, 2 sea-urchins, 2 ophiurians, 3 valves of <i>Cythaerea</i> . . . . .                                                                                                                                                                                                                                                                     | 0        |
| 10. July 29. Rake drawn 300 yards, 6½ miles W.N.W. off Miminegash. Depths at start and finish 17-14 fathoms. Nature of sea-bed sand with dead scallop and other bivalve shells. Faunae, 2 large many-rayed star-fish, a few sea-urchins, and some sand-dollars. . . . .                                                                                                                                                                                                                    | 17       |
| 11. August 2. Rakes drawn 600 yards, 2 miles off land between Alberton and Cape Kildare. Depths at start and finish 13-14 fathoms. Nature of sea-bed sandy with a few dead bivalve shells ( <i>Macra</i> and <i>Cythaerea</i> ). Faunae, whelk egg-capsules attached to one of the scallops. Besides the Fundy rake the fisherman engaged used a Mahone rake. . . . .                                                                                                                      | 3        |
| 12. August 2. Rakes drawn 500 yards, some 5 miles off Cape Kildare. Depths at start and finish 14-14 fathoms. Nature of sea-bed sandy with dead bivalve shells and a piece of kelp. Faunae, capsules of round whelk or so-called conch ( <i>Lunatia heros</i> ), and capsules of whelk on a dead valve or <i>Macra</i> , a number of sand dollars, and two 5-rayed star-fish. One of the scallops obtained was smashed and a broken piece of another valve seemed to belong to it. . . . . | 15       |
| 13. August 3. Rakes drawn 600 yards, 5 miles S.E. off Alberton. Depths at start and finish 13-12½ fathoms. Nature of sea-bed sandy and shelly. Faunae, 2 sea-urchins, 2 sand-dollars, a few specimens of <i>Cythaerea</i> . 2 of the scallops obtained were weighed with sponges, hydroids were attached to another, a tunicate to another, and a sea-anemone to still another. . . . .                                                                                                    | 5        |
| 14. August 3. Rakes drawn 375 yards, 5½ miles S.E. off Alberton. Depth at start 13½ fathoms. Nature of sea-bed sandy. Faunae, tunicates attached to a piece of wood, 2 sea-urchins, a few specimens of <i>Cythaerea</i> , and sand-dollars, 2 of the scallops obtained were heavily laden with sponges. . . . .                                                                                                                                                                            | 9        |
| 15. August 3. Rakes drawn 450 yards, 6 miles S.E. off Alberton. Depth at start and finish 15-13½ fathoms. Nature of sea-bed hard sand with several dead bivalve shells. Faunae, a number of sea-urchins and sand dollars, a 5-rayed star-fish, a sponge with a living gastropod half buried in it, a very large sponge attached to one of the scallops obtained and whelk eggs-capsules on another, 2 specimens of <i>Cythaerea</i> . . . . .                                              | 7        |
| 16. August 3. Rakes drawn 400 yards, 6 miles E.S.E. off Alberton. Depths at start and finish 16½-15½ fathoms. Nature of sea-bed sandy with some dead bivalve shells. Faunae, a number of sea-urchins, 2 sand-dollars, an annelid. Two of the scallops were heavily laden with sponges, and a larval form presumably of the lump-fish was found between the valves of one of the scallops. .                                                                                                | 3        |

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Scallops

17. August 3. Rakes drawn 510 yards, 6 miles S.E.  $\frac{1}{4}$  E. off Alberton bell-buoy. Depths at start and finish 13-15 fathoms. Sea-bed with a number of dead bivalve shells, including part of an old valve of an oyster. Faunae, 2, 5-rayed, 1, 6-rayed and 1, many-rayed star-fish, 5 sea-urchins, 4 sand-dollars, egg capsules of roundwhelk (so-called conch), a hermit-crab with its shell encased in a sponge and one of the scallops obtained laden with a sponge. . . . . 5
18. August 4. Rakes drawn 600 yards, some 5 miles off cape Kildare and some 7 miles off Tignish. Depths at start and finish 13-16 fathoms. Nature of sea-bed sand and shells—a small stone. Faunae, 8, 5-rayed and 1 many-rayed star-fish, 2 sea-urchins, egg capsules and round whelk (*Lunatia*), and of common whelk (*Buccinum*) on a piece of an oyster valve, one of the scallops obtained (1  $\frac{1}{4}$  in.) was attached by byssus to the inside of a shell of *Cythaerea*, a specimen of spindle-shell (*Fusus decemcostatus*) . . . . . 9
19. August 4. Rakes drawn 500 yards, 2  $\frac{1}{4}$  miles S.S.W. adjacent to where previous drag terminated. Depths at start and finish 14-14 fathoms. Nature of sea-bed sand and shells. Faunae, 9, 5-rayed star-fish, 1 sea-urchin, one or two sand-dollars, a specimen of a spindle shell. . . . . 1
20. August 4. Rakes drawn 400 yards, 5 miles E. by S. off Alberton. Depths at start and finish 13  $\frac{1}{4}$ -13 fathoms. Nature of sea-bed sandy with shells. Faunae, 8 sand-dollars, a large 5-rayed star-fish, spindle-shell with sponge, hermit-crab, an annelid, a whelk. . . . . 9
21. August 4. Rakes drawn 700 yards, 4 miles E. by S. off Alberton. Depths at start and finish 13-12  $\frac{1}{2}$  fathoms. Nature of sea-bed sand and rock. Faunae, round whelk egg-capsules, 2 specimens of *Cythaerea*. . . . . 6
22. August 5. Rakes drawn 700 yards, 4 miles E. by S. off Alberton. Depths at start and finish 12  $\frac{1}{2}$ -12 fathoms. Nature of sea-bed sandy with dead bivalve shells. Faunae, some sand-dollars and egg-capsules of round whelk. . . . . 6
23. August 5. Rakes drawn 800 yards. 3  $\frac{1}{2}$  miles S.E. off Alberton. Depth at start and finish 12  $\frac{1}{2}$ -11  $\frac{1}{2}$  fathoms. Nature of sea-bed rocky with many dead scallop and other bivalve shells, stones and a little mud. Faunae, a few sea-urchins, a sand-dollar, a spindle-shell, a specimen of *Cythaerea*, a hermit-crab, pieces of egg-capsules of round whelk. . . . . 30
24. August 5. Rakes drawn 300 yards, 3  $\frac{1}{4}$  miles S.E. off Alberton. Depths at start and finish 12  $\frac{1}{2}$ -11  $\frac{1}{2}$  fathoms. Nature of sea-bed rocks and sand with shells. Faunae, some sea-urchins and some sand-dollars, sponge. . . . . 187
25. August 8. Rake drawn 700 yards, 5 miles S.E.  $\frac{1}{2}$  E. off North Point. Depths at start and finish 16  $\frac{1}{2}$ -14 fathoms. Nature of sea-bed sand and rock (a piece of kelp and a stone). Faunae, practically none. . . . . 0
26. August 8. Rake drawn 400 yards, 3 miles E.S.E. off North Point. Depths at start and finish 12-12 fathoms. Nature of sea-bed rock. Faunae, 1, 5-rayed star, 2 horse-mussels, small tunicates. . . . . 0
27. August 8. Rake drawn 425 yards, about 4  $\frac{1}{2}$  miles N.N.W. off Nail Head. Depths at start and finish 17-17  $\frac{1}{2}$  fathoms. Nature of sea-bed sandy (2 scallop valves). Faunae, none. . . . . 0
28. August 8. Rake drawn 500 yards, about 5  $\frac{1}{2}$  miles N. by W. off Miminegash. Depths at start and finish 14-16 fathoms. Nature of sea-bed sandy with numerous dead bivalve shells. Faunae, a basket-star, sponges, etc. . . . . 18
29. August 9. Rake drawn 700 yards, 2  $\frac{1}{2}$  miles off cape Wolfe. Depth at start and finish 10-10 fathoms. Nature of sea-bed sandy, with dead scallop and other bivalve shells. Faunae, numbers of sand-dollars and a specimen of *Cythaerea*. . . . . 1
30. August 11. Rake drawn 450 yards, 3 miles W.N.W. off cape Wolfe. Depth at start and finish 10-5  $\frac{1}{2}$  fathoms. Nature of sea-bed rocky and sandy with great numbers of dead scallop and other bivalve shells, and a few stones. Faunae, some sand-dollars, a 5-rayed star-fish, a sponge, a hermit-crab. The scallop obtained was covered with sponge and annelid tubes. . . . . 1
31. August 11. Rake drawn 400 yards, 4 miles N.E.  $\frac{1}{2}$  N. off Buctouche Light. Depth at start and finish 5-4  $\frac{1}{2}$  fathoms. Nature of sea-bed rocky with great numbers of various sized stones which weighed down the dredge. Faunae, great numbers of sand-dollars, a 5-rayed star-fish, 4 crabs (*Cancer*), some sponges, a flat fish, 2 female skates, etc. . . . . 0
32. August 11. Rake drawn 400 yards, 4  $\frac{1}{2}$  miles off Buctouche Light. Depth at start and finish 5-5  $\frac{1}{2}$  fathoms. Nature of sea-bed rocky with dead bivalve shells. Faunae, numerous sand-dollars, 2 crabs (*Cancer* and *Hyas*), a flat-fish, a female skate, an egg-capsule of a skate. . . . . 0

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33. August 12. Rake drawn 300 yards, about 3 miles S.E.  $\frac{1}{2}$  E. off Buctouche Beach Light. Depth at start and finish 4 $\frac{1}{2}$ -5 fathoms. Nature of sea-bed rocky and sandy, with dead bivalve shells (but none of them scallop shells) great numbers of stones. Faunae, numerous sand-dollars, 4 crabs (2 of them *Cancer*), 3 hermit-crabs, a male lobster 6 $\frac{1}{2}$  inches (released), a horse-mussel, specimen of *Astarte*, sponges, 2 female skates, also a tiny *Cancer*, specimen of *Macrura*. 0
34. August 12. Rake drawn 300 yards, 3 $\frac{1}{2}$  miles S.E. by E. off Buctouche Beach Light. Depth at start and finish 5 $\frac{1}{2}$ -6 fathoms. Nature of sea-bed sandy with dead bivalve shells. Faunae, great numbers of sand-dollars, a crab, a round whelk. 0
35. August 12. Rake drawn 375 yards, 5 miles N.E.  $\frac{1}{2}$  N. off Buctouche Beach Light. Depth at start and finish 7-7 fathoms. Nature of sea-bed sandy, with dead bivalve shells. Faunae, numerous sand-dollars, a round whelk, a male skate, specimens of *Crepidula fornicata* attached to two dead scallop shells. 0
36. August 12. Rake drawn 500 yards, 6 $\frac{1}{2}$  miles E  $\frac{1}{2}$  N. off Buctouche Beach Light. Depth at start and finish 8-8 fathoms. Nature of sea-bed sandy, with a few dead scallop and other bivalve shells. Faunae, numerous sand-dollars, 2 crabs (*Cancer*) one of them tiny. 0
37. August 13. Rake drawn 450 yards, 6 miles S.E.  $\frac{3}{4}$  E. off Cote Ste Anne (Chockfish River) and 6 $\frac{1}{2}$  miles from Buctouche Beach Light. Depth at start and finish 8-8 $\frac{1}{2}$  fathoms. Nature of sea-bed sandy, with a number of dead bivalve shells including a worn scallop valve 2 $\frac{3}{8}$  inches. Faunae, numerous sand-dollars, 2 flatfish, a male skate, a few sponges, an annelid in a sponge, some ophiurians. 0
38. August 13. Rake drawn 500 yards, 5 miles E. by S. off Cote Ste. Anne. Depth at start and finish 9-7 fathoms. Nature of sea-bed sandy with some dead bivalve shells and a large stone with sponge growth. Faunae, multitudes of sand-dollars, 3 male and 2 female skates and 2 egg-capsules of skates, a few crabs (*Cancer*). 0
39. August 13. Rake drawn 375 yards, 2 $\frac{1}{2}$  miles E. by S. off Cote Ste. Anne and 8 miles from Buctouche Beach Light. Depth at start and finish 7-6 fathoms. Nature of sea-bed sandy. Faunae, great multitudes of sand-dollars. 0
40. August 17. Rake drawn 450 yards, 3 $\frac{1}{2}$  miles E.N.E. off Richibucto bell-buoy. Depth at start and finish 10-10 fathoms. Nature of sea-bed sandy with a worn scallop shell. Faunae, sand-dollars, 2 specimens of *Cythaerea*. 0
41. August 17. Rake drawn 750 yards, 6 $\frac{1}{2}$  miles off Richibucto bell-buoy. Depth at start and finish 10-10 fathoms. Nature of sea-bed sand with a few scallop valves and valves of other mollusks. Faunae, numbers of sand-dollars, a crab (*Cancer*), 4 five-rayed star-fishes, numbers of *Cythaerea*. 3
42. August 17. Rake drawn 600 yards, 8 miles S  $\frac{1}{2}$  E. off Point Sapin. Depth at start and finish 10-12 fathoms. Nature of sea-bed, stones and sand with a number of broken scallop valves and a few valves of other mollusks. Faunae, 2 five-rayed star-fishes, a sand-dollar. 3
43. August 17. Rake drawn 600 yards, some 5 miles S.E. by S  $\frac{1}{2}$  S. off Point Sapin. Depth at start and finish 12-11 fathoms. Nature of sea-bed sandy with empty shells of *Cythaerea*. Faunae, numerous five-rayed star-fishes, some sand-dollars, piece of egg-capsule of round whelk (*Lunatia heros*). 0
44. August 17. Rake drawn 600 yards, 9 miles N. by E  $\frac{1}{2}$  E. off Richibucto bell-buoy. Depth at start and finish 7-9 fathoms. Nature of sea-bed stones and sand. Faunae, a flat-fish, a crab (*Cancer*), a five-rayed star-fish, a few sand-dollars, some bivalve mollusks (*Cythaerea*). 0
45. August 17. Rake drawn 900 yards, 1 $\frac{1}{2}$  miles N.E. by N  $\frac{1}{2}$  N. off Richibucto bell-buoy. Depth at start and finish 9-10 fathoms. Nature of sea-bed stones and sand. Faunae, a five-rayed star-fish, 2 sand-dollars. 0
46. August 19. Rake drawn 500 yards, 5 $\frac{1}{2}$  miles E.N.E. off Richibucto bell-buoy. Depth at start and finish 11-12 fathoms. Nature of sea-bed sandy (an empty shell and a valve of *Cythaerea*—a stone). Faunae, a five-rayed star-fish, a sand-dollar. 5
47. August 19. Rake drawn 600 yards, 7 $\frac{1}{2}$  miles E.N.E. off Richibucto bell-buoy. Depth at start and finish 12-13 fathoms. Nature of sea-bed sandy with a few stones. Faunae, 2 five-rayed star-fishes, a sea-urchin. 0
48. August 19. Rake drawn 475 yards, 6 miles E.N.E. off Richibucto bell-buoy. Depth at start and finish 13-12 fathoms. Nature of sea-bed sandy. Faunae, a flat-fish, a male crab (*Cancer*), a sand-dollar. 0
49. August 19. Rake drawn 500 yards, 4 $\frac{1}{2}$  miles off Richibucto bell-buoy, Depth at start and finish 12-11 fathoms. Nature of sea-bed rocks and sand with empty scallop shells. Faunae, barnacles on a large stone, 2 male crabs (*Cancer*), several small fishes (presumably larval forms of the lump-fish) between the valves of living scallops. 8



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50. August 19. Rake drawn 500 yards, 5 miles E. off Richibucto bell-buoy. Depth at start and finish 12-11½ fathoms. Nature of sea-bed rocks and sand. Faunae, a few sand-dollars, several male crabs (*Cancer*), a female skate, 2 bivalve mollusks (*Cythaerea*)... 2
51. August 19. Rake drawn 550 yards, some 3 miles E½ N. off Richibucto Cape Light. Depth at start and finish 12-11 fathoms. Nature of sea-bed sandy. Faunae, hydroids... 0
52. August 19. Rake drawn 450 yards, 2 miles N.E. off Richibucto Cape Light. Depth at start and finish 8-11 fathoms. Nature of sea-bed stones and sand. Faunae, a mussel and part of a mussel (*Mytilus*), 2 sea-urchins, young sponges on a stone, an annelid, a few ophiurians... 0
53. August 20. Rake drawn 600 yards, 9 miles S.E. by S. off Point Sapin. Depth at start and finish 13-14 fathoms. Nature of sea-bed sandy with a scallop valve and a few valves of other mollusks. Faunae, numerous five-rayed star-fishes, a sand-dollar, 2 sea-anemonies on a dead bivalve shell... 1
54. August 20. Rake drawn 600 yards, some 10 miles S. by E½ E. off Point Sapin. Depth at start and finish 14-14½ fathoms. Nature of sea-bed sandy with numbers of scallop and other bivalve shells. Faunae, several five-rayed and many-rayed star-fishes, some sea-urchins and sand-dollars, gastropod with sponge, whelk egg-capsules, portion of an egg capsule of round whelk, a sea-anemone. 23
55. August 20. Rake drawn 550 yards, 11 miles S.S.E. off Point Sapin. Depth at start and finish 14-13½ fathoms. Nature of sea-bed sandy. Faunae, numerous five-rayed star-fishes, some sand-dollars, a whelk egg-capsule... 1
56. August 20. Rake drawn 500 yards, 9 miles S.E.½ S. off Point Sapin. Depth at start and finish 14-14 fathoms. Nature of sea-bed sandy with some shells of bivalve mollusks. Faunae, numerous five-rayed and many-rayed star-fishes, one or two sea-urchins, a crab (*Hyas*)... 20
57. August 22. Rake drawn 600 yards, 6 miles E½ S. off Cape Richibucto Light. Depth at start and finish 9-13 fathoms. Nature of sea-bed sandy. Faunae, numerous bivalve mollusks (*Macra*), hydroids... 0
58. August 22. Rake drawn 800 yards, 7 miles S.E.½ E. off Cape Richibucto Light. Depth at start and finish 14-16 fathoms. Nature of sea-bed stony and sandy with broken scallop valves and broken valves of other mollusks. Faunae, a few sand-dollars, a horse-mussel, an annelid... 3
59. August 22. Rake drawn 500 yards, 5 miles S.E.½ E. off Richibucto Cape Light. Depth at start and finish 10-9½ fathoms. Nature of sea-bed sandy with bivalve mollusk shells. Faunae, numerous sand-dollars, a female crab (*Cancer*), a hydroid... 0
60. August 30. Rake drawn 550 yards, 6½ miles N.E.½ E. off Oak Island, vicinity of Wallace, N.S. Depth at start and finish 12-14 fathoms. Nature of sea-bed muddy. Faunae, a five-rayed star-fish... 0
61. August 30. Rake drawn 575 yards, 7 miles N.E.½ E. off Oak Island. Depth at start and finish 12½-12 fathoms. Nature of sea-bed muddy with kelp. Faunae, none... 0
62. August 30. Rake drawn 600 yards, 7 miles N.E. by E. off Oak Island. Depth at start and finish 13½-14 fathoms. Nature of sea-bed mud. Faunae, a five-rayed star-fish... 0
63. August 30. Rake drawn 600 yards, 7½ miles N.E. by E½ E. off Oak Island. Depth at start and finish 14-14 fathoms. Nature of sea-bed mud with kelp (2 scallop valves 2 inches and 3 inches). Faunae, a female crab (*Cancer*)... 0
64. August 30. Rake drawn 650 yards, 7 miles N.E. off Oak Island. Depth at start and finish 12½-14 fathoms. Nature of sea-bed mud. Faunae, none... 0
65. August 30. Rake drawn 600 yards, 3½ miles N.E. by E. off Oak Island. Depth at start and finish 9-8½ fathoms. Nature of sea-bed sand and stones with kelp and a number of scallop valves. Faunae, a mussel (*Mytilus*)... 3
66. August 30. Rake drawn 400 yards, 3½ miles N.E. by E. off Oak Island (a repeated drag). Depth at start and finish 8½-7½ fathoms. Nature of sea-bed sand with kelp (2 broken scallop valves). Faunae, 5 horse-mussels (*Modiola*), a tiny sea-urchin, a few bi-valve mollusks (*Cythaerea*) 2 female crabs (*Cancer*) with eggs on the swimmerets, a specimen of *Crepidula fornicata* on one of the two scallops obtained... 2
67. August 31. Rake drawn 600 yards, 2 miles N.W. by N. off McDonald's Cove. Depth at start and finish 8-7 fathoms. Nature of sea-bed sand and rock with kelp and some dead scallop shells. Faunae, a skate, mussels (*Mytilus*), a sea-urchin, a sponge, annelid tubes on a scallop valve... 0

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68. August 31. Rake drawn 800 yards,  $2\frac{1}{2}$  miles N.N.E. off McDonald's Cove. Depth at start and finish 8-12 $\frac{1}{2}$  fathoms. Nature of sea-bed sand and stones with some scallop valves and 3 shells of *Cythaerea*. Faunae, mussel (*Mytilus*) on a scallop valve, 6 very large five-rayed star fishes, 9 sea-urchins one being very large, barnacles, on a mussel, an orphiurian. . . . . 2
69. August 31. Rake drawn 800 yards, 3 miles N.N.E. off McDonald's cove, Depth at start and finish 13-12 $\frac{1}{2}$  fathoms. Nature of sea-bed sand and some stones with some mollusk shell valves. Faunae, a male crab (*Cancer*), 11 five-rayed star fishes 8 being very large, quite a number of sea-urchins, a few mussels, *Anomia* on one of the scallops obtained, a small fish (presumably a larval form of the lump-fish) . . . . . 2
70. August 31. Rake drawn 600 yards,  $2\frac{1}{2}$  miles E.N.E. off Cape John. Depth at start and finish, 11 $\frac{1}{2}$ -10 fathoms. Nature of sea-bed rock, sand, and mud with shells of bivalve mollusks. Faunae, one or two sand-dollars, a five-rayed star fish, some mussels, a larval form presumably of lump-fish. . . . . 11
71. August 31. Rake drawn 575 yards, 2 miles N.E. of Cape John. Depth at start and finish 9-7 $\frac{1}{2}$  fathoms. Nature of sea-bed sand and stones with kelp and valves of scallops. Faunae, mussels, egg-capsule of skate, sponges. . . . . 0
72. September 1. Rake drawn 675 yards, 4 miles N. by W. off Oak Island. Depth at start and finish 10-10 fathoms. Nature of sea-bed mud. Faunae, none. . . . . 0
73. September 1. Rake drawn 575 yards, 4 miles N. by E. off Cape Cliff. Depth at start and finish, 9-9 $\frac{1}{2}$  fathoms. Nature of sea-bed sand and stones with kelp and some scallop valves. Faunae, 5 male crabs (*Cancer*), 2 mussels. . . . . 5
74. September 1. Rake drawn 650 yards, 2 miles N. by E. off Cape Cliff. Depth at start and finish 10-7 $\frac{1}{2}$  fathoms. Nature of sea-bed sand and stones with kelp and a few scallop valves. Faunae, a mussel, sponges on a large stone. . . . . 0
75. September 1. Rake drawn 675 yards,  $1\frac{1}{2}$  miles S.E.  $\frac{1}{2}$  S. off Oak Island. Depth at start and finish 8-7 fathoms. Nature of sea-bed mud and rocks with bits of kelp. Faunae, one or two sand-dollars, 3 mussels. . . . . 0
76. September 7. Rake drawn 775 yards, 3 miles N.N.E. off Big Island, Merigomish vicinity. Depth at start and finish 12-12 $\frac{1}{2}$  fathoms. Nature of sea-bed mud. Faunae, a five-rayed starfish or two. . . . . 0
77. September 7. Rake drawn 825 yards,  $2\frac{1}{2}$  miles N.E.  $\frac{1}{2}$  N. off Big Island. Depth at start and finish 14-14 fathoms. Nature of sea-bed mud. Faunae, none. . . . . 0
78. September 7. Rake drawn 875 yards, 2 miles N.E. by N.  $\frac{1}{2}$  N. off Big Island west. Depth at start and finish 12-10 fathoms. Nature of sea-bed mud. Faunae, 5 five-rayed starfishes. . . . . 0
79. September 7. Rake drawn 1,100 yards, 3 miles N.W. by N. west end off Big island. Depth at start and finish 10-9 fathoms. Nature of sea-bed mud with kelp. Faunae, a few hermit crabs, a female crab (*Cancer*), 7 five-rayed starfishes two of them tiny, sponges, 9 horse-mussels inside of one of which were a number of small living mussels. . . . . 0
80. September 10. Rake drawn 780 yards,  $5\frac{1}{2}$  miles N. off east end of Big island. Depth at start 14 fathoms. Nature of sea-bed mud. Faunae, none. . . . . 0
81. September 12. Rake drawn 700 yards,  $2\frac{1}{2}$  miles S. by W.  $\frac{1}{2}$  W. off Red Head (dead reckoning). Depth at start and finish 13-13 $\frac{1}{2}$  fathoms. Nature of sea-bed rocks with some kelp. Faunae, tunicates, bryozoans, eggs presumably of some mollusk, hydroids, annelid tubes, tiny crustaceans, dead barnacles, all on a large stone with algal growth. . . . . 0
82. September 12. Rake drawn 675 yards, about one mile S. off Argus buoy. Depth at start and finish 13-14 fathoms. Nature of sea-bed mud. Faunae, none. . . . . 0
83. September 12. Rake drawn 950 yards,  $\frac{1}{2}$  mile N. by E  $\frac{1}{2}$  E. off Argus buoy. Depth at start and finish 13-13 fathoms. Nature of sea-bed sand with scallop (2 fragments), and other mollusk (*Cythaerea*) valves—a stone. Faunae, 5 sea-urchins, a star-fish (purple with 9 rays) . . . . . 0
84. September 12. Rake drawn 1,050 yards,  $1\frac{1}{2}$  miles S.S.E. off Ragged Head (dead reckoning). Depth at start and finish 8 $\frac{1}{2}$ -11 $\frac{1}{2}$  fathoms. Nature of sea-bed rocky (9 scallop valves). Faunae, a large five-rayed star-fish. . . . . 1
85. September 12. Rake drawn 600 yards,  $2\frac{1}{2}$  miles S.W.  $\frac{1}{2}$  W. off Ragged Head. Depth at start and finish 11-20 fathoms. Nature of sea-bed rocks with algae. Faunae, 2 five-rayed star-fishes. . . . . 0
86. September 13. Rake drawn 700 yards,  $\frac{1}{2}$  mile S.W. off Manhasset Beach. Depth at start and finish 19-17 fathoms. Nature of sea-bed mud (7 scallop valves, a valve of *Cythaerea*, and a stone). Faunae, whelk egg-capsules on the scallop obtained, hydroids on the stone, a tunicate. . . . . 1

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87. September 13. Rake drawn 800 yards,  $\frac{1}{2}$  mile S.E. off Stewart's Point. Depth at start and finish 16-12 fathoms. Nature of sea-bed sandy with some shells of bivalve mollusks. Faunae, numerous sea-urchins, 6 five-rayed star-fishes, 2 horse-mussels one of them on a stone, a hydroid. . . . . 1
88. September 13. Rake drawn 800 yards, close to Guysboro bell-buoy. Depth at start and finish 12-11 $\frac{1}{2}$  fathoms. Nature of sea-bed mud and stones. Faunae, a number of sea-urchins, 4 five-rayed star-fishes, 5 flatfish. . . . . 3
89. September 13. Rake drawn 850 yards,  $\frac{1}{2}$  mile E. off Rigby head. Depth at start and finish 7-9 fathoms. Nature of sea-bed rocks (a valve of a mollusk). Faunae, 4 sea-urchins, a flatfish. . . . . 0
90. September 13. Rake drawn 700 yards,  $\frac{3}{4}$  mile S.E.  $\frac{1}{2}$  E. off Guysboro Light. Depth at start and finish 10-10 fathoms. Nature of sea-bed rock and kelp and mud at the finish (a few *Cythaerea* valves). Faunae, 4 five-rayed star-fishes, 3 sea-urchins, 2 flatfishes, a female skate. . . . . 0
91. September 14. Rake drawn 850 yards, some  $\frac{3}{4}$  mile N.W.  $\frac{1}{2}$  W. off Bond's Point (dead reckoning). Depth at start and finish 10-14 fathoms. Nature of sea-bed sand. Faunae, a five-rayed star-fish. . . . . 1
92. September 14. Rake drawn 100 yards,  $\frac{1}{2}$  mile N.W. off Bond's Point (rake had to be drawn up on account of nets and trawls). Depth at start and finish 15-17 fathoms. Nature of sea-bed mud. Faunae, none. . . . . 0
93. September 14. Rake drawn 450 yards,  $\frac{1}{2}$  mile N. off Halfway Cove. Depth at start and finish 18 $\frac{1}{2}$ -14 fathoms. Nature of sea-bed sandy with a few worn and broken scallop valves and valves of other mollusks. Faunae, none. . . . . 1
94. September 14. Rake drawn 1,200 yards,  $\frac{3}{4}$  mile W  $\frac{1}{2}$  N. off Ragged Head at end of drag. Depth at start and finish 17-12 fathoms. Nature of sea-bed mud and sea-weed and sunken eel-grass (the sea-weed and other material in a great mass—a scallop valve). Faunae, several hermit-crabs, a female crab and a tiny crab (*Cancer*), numerous sea-urchins, 2 sea-cucumbers, several five-rayed star-fishes, an ophiurian, a horse-mussel, egg-capsule of skate, a flatfish. . . . . 0
95. September 14. Rake drawn 900 yards, one mile S. by E. off J. J. Callahan's property. Depth at start and finish 12-12 fathoms. Faunae, none save a valve of *Cythaerea*. . . . . 0
96. September 15. Rake drawn 675 yards, outside the bar in the vicinity of Guysboro. Depth at start and finish 9 $\frac{1}{2}$ -4 fathoms. Nature of sea-bed rocks with old scallop valves and valves of other mollusks. Faunae, multitudes of sea-urchins, some sand-dollars, a specimen of spindle shell (*Fusus decemcostatus*) a large *Cythaerea*. . . . . 0
97. September 15. Rake drawn 800 yards, at entrance to Guysboro harbour. Depth at start and finish 4-13 fathoms. Nature of sea-bed rocks and kelp. Faunae, a few sea-urchins, some sea-anemonies, a common mussel (*Mytilus*), a horse-mussel (*Modiola*), a flatfish. . . . . 0
98. September 15. Rake drawn 600 yards, in Guysboro Harbour. Depth at start and finish 8-12 fathoms. Faunae, numerous sea-urchins and sand-dollars, a five-rayed star-fish, 3 anemonies. . . . . 0
99. September 15. Rake drawn 625 yards, in Guysboro Harbour. Depth at start and finish 8-3 fathoms. Faunae, great masses of sponges, numbers of common mussels, anemonies on mussels and on stones, *Anomia*, sponges and a barnacle on one of them. . . . . 0
100. September 15. Rake drawn 550 yards, in Guysboro Harbour. Depth at start and finish 8-5 fathoms. Nature of sea-bed rocks and mud (a scallop valve). Faunae, numerous sand-dollars and sea-urchins, a specimen of *Cythaerea*, 2 horse-mussels. . . . . 0
101. September 21. Rake drawn 600 yards, 1 $\frac{1}{2}$  miles off Ryter's Point (fog). Depth at start and finish 20-19 fathoms. Nature of sea-bed mud. Faunae, a five-rayed star-fish, an ophiurian. . . . . 0
102. September 21. Rake drawn 675 yards, 1 $\frac{1}{2}$  miles S. off Ragged Head. Depth at start and finish 20-19 $\frac{1}{2}$  fathoms. Faunae, none, save a piece of an old worn scallop valve and a five-rayed star-fish seen when dropping out. . . . . 0
103. September 21. Rake drawn 800 yards, about 2 $\frac{1}{2}$  miles E. by S. off Ragged Head. Depth at start and finish 18-14 $\frac{1}{2}$  fathoms. Nature of sea-bed mud. Faunae, none. . . . . 0
104. September 21. Rake drawn 350 yards, 3 miles N. by E. off Queensport (thick fog). Depth at start and finish 17-21 fathoms. Nature of sea-bed mud. Faunae, none. . . . . 0
105. September 22. Rake drawn 750 yards, N $\frac{1}{2}$  W. off Bond's Point. Depth at start and finish 15-19 fathoms. Nature of sea-bed mud. Faunae, a specimen of *Cythaerea* with hydroid. . . . . 0

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106. September 22. Rake drawn 850,  $9\frac{1}{2}$  miles S.S.W. off J. J. Callahan's Bluff. Depth at start and finish  $17\frac{1}{2}$ -12 fathoms. Nature of sea-bed sand and gravel with bits of dead eel-grass and a shell of *Cythaerea*. Faunae, 5 five-rayed star-fishes, a specimen of *Astarte*, hydroids, a small crustacean, a larval form of a fish presumably of a lunip-fish in the scallop obtained. . . . . 1
107. September 22. Rake drawn 800 yards,  $2\frac{1}{2}$  miles N.E.  $\frac{1}{2}$  N. off Dort Cove. Depth at start and finish  $12\frac{1}{2}$ -17 fathoms. Nature of sea-bed mud. Faunae, a hydroid, a bryozoan, eggs of some kind. . . . . 0
108. September 22. Rake drawn 750 yards,  $\frac{1}{4}$  mile SE. off Ragged head. Depth at start and finish 17-12 fathoms. Nature of sea-bed sand and mud (a small bit of kelp). Faunae, a five-rayed star-fish, a hydroid with eggs of some sort attached. . . . . 0
109. September 22. Rake drawn 900 yards, S. by  $W\frac{1}{2}$  off Keyes Pond. Depth at start and finish 16-15 fathoms. Nature of sea-bed muddy. Faunae, one or two five-rayed star-fish, an ophiurian . . . . . 0
110. September 22. Rake drawn 850,  $2\frac{1}{2}$  miles N. by  $E\frac{1}{2}$  E. off Queensport Light. Depth at start and finish 14-27 fathoms. Nature of sea-bed stones. Faunae, an acidian, hydroids. . . . . 0
111. September 24. Rake drawn 800 yards,  $2\frac{1}{2}$  miles N.E. by N. off Queensport. Depth at start and finish  $12-23\frac{1}{2}$  fathoms. Nature of sea-bed stones (fragments of scallop valve, valve of *Cythaerea*). Faunae, none. . . . . 0
112. September 24. Rake drawn 875 yards,  $2\frac{1}{2}$  miles N.E. by E. off Queensport Light. Depth at start and finish  $14-24\frac{1}{2}$  fathoms. Nature of sea-bed stones (2 *Cythaerea* shells). Faunae, a basket-fish, a five-rayed star-fish, a specimen of *Cythaerea* full of eggs. . . . . 0
113. September 24. Rake drawn 775 yards,  $2\frac{1}{2}$  miles S.S.W. off Cape Argus. Depth at start and finish 12-16 fathoms. Nature of sea-bed rocks. Faunae, coelenterate. . . . . 0
114. September 24. Rake drawn 600 yards,  $2\frac{1}{2}$  miles S.S.W. off Cape Argus. Depth at start and finish 18-17 fathoms. Nature of sea-bed stones. Faunae, a basket-fish and fragment of same. . . . . 0
115. September 24. Rake drawn 875 yards, S. by E. off Cape Argus. Depth at start and finish 17-14 fathoms. Nature of sea-bed stones. Faunae, an acidian, hydroids and bryozoans on a stone, and on the same stone 2 or 3 tiny scallops about  $\frac{1}{4}$  of an inch in diameter—otherwise. . . . . 0
116. September 24. Rake drawn 900 yards,  $\frac{3}{4}$  mile S.W.  $\frac{1}{2}$  W. off Cape Argus. Depth at start and finish 13-20 fathoms. Nature of sea-bed rocks. Faunae, a star-fish with 9 rays. . . . . 0
117. September 26. Rake drawn 950 yards,  $2\frac{1}{2}$  miles  $S\frac{1}{2}$  W. off Cape Hogan Light, Cape Breton. Depth at start and finish 17-25 fathoms. Nature of sea-bed great quantities of kelp. Faunae, an annelid, a chiton. . . . . 0
118. September 26. Rake drawn 950 yards,  $2\frac{1}{4}$  miles W. by S. off Cape Hogan, C.B. Depth at start and finish 22-20 fathoms. Nature of sea-bed stones and kelp. Faunae, a few chitons. . . . . 0
119. September 26. Rake drawn 870 yards, 4 miles W. off Cape Hogan. Depth at start and finish  $16\frac{1}{2}$ -28 fathoms. Nature of sea-bed stones. Faunae, an anemone on a stone, 2 acidians to which hydroids, algae, etc., were attached. . . . . 0
120. September 27. Rake drawn 750 yards, at the head of Yankee harbour, Whitehead. Depth at start and finish 9-7 fathoms. Nature of sea-bed mud and sea-weeds. Faunae, practically none. . . . . 0
121. September 27. Rake drawn 1,100 yards, SSE. off Three Top Island, Whitehead. Depth at start and finish 6-17 fathoms. Nature of sea-bed sea-weeds (2 mussel valves). Faunae, multitudes of sea-urchins, a horse-mussel with a small one attached, a limpet. . . . . 0
122. September 27. Rake drawn 950 yards, north end of Price's Island, Whitehead. Depth at start and finish 13-11 fathoms. Nature of sea-bed muck (5 scallop valves one of them being *Pecten islandicus* and several valves of *Cythaerea*—a stone). Faunae, 2 sand-dollars. . . . . 0
123. September 27. Rake drawn 950 yards, off Fishermans Island west, Whitehead. Depth at start and finish 11-7 fathoms. Nature of sea-bed sand with kelp (4 scallop valves and a few stones). Faunae, a horse-mussel, a tunicate, egg-capsule of a skate. . . . . 0
124. September 27. Rake drawn 600 yards, south off White Island, Whitehead. Depth at start and finish 7-9 fathoms. Nature of sea-bed muddy. Faunae practically none. . . . . 0

1927

Scallops

|                                                                                                                                                                                                                                                                                                                                                      |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 125. September 29. Rake drawn 900 yards $\frac{3}{4}$ mile, S.E. $\frac{1}{2}$ S. off Mount Misery, Country Harbour. Depth at start and finish 8-8 fathoms. Nature of sea-bed mud. Faunae, numerous five-rayed star-fishes, a flatfish. . . . .                                                                                                      | 0 |
| 126. September 29. Rake drawn 975 yards, 1 mile S.W.S. off Isaac's Harbour Light. Depth at start and finish 11-9 $\frac{1}{2}$ fathoms. Nature of sea-bed soft mud. Faunae, 5 five-rayed star-fishes, a sea-urchin, <i>Spirorbis</i> on bits of sea-weed. . . . .                                                                                    | 0 |
| 127. September 29. Rake drawn 750 yards, $\frac{1}{2}$ mile N.E. off Country Harbour Head. Depth at start and finish 10-13 fathoms. Faunae, a five-rayed star-fish. . . . .                                                                                                                                                                          | 0 |
| 128. September 30. Rake drawn 400 yards, 300 yards E. by S. off Bell-buoy, Isaac's Harbour. Depth at start and finish 12-8 fathoms. Nature of sea-bed rocks. Faunae, none . . . . .                                                                                                                                                                  | 0 |
| 129. September 30. Rake drawn 450 yards, 300 yards west off Black Ledge, entrance to Isaac's Harbour. Depth at start and finish 14-11 $\frac{1}{2}$ fathoms. Nature of sea-bed rocks with sea-weed. Faunae, several sea-urchins. . . . .                                                                                                             | 0 |
| 130. September 30. Rake drawn 1,500 yards, $\frac{3}{4}$ mile west off Island Harbour Light. Depth at start and finish 10-13 $\frac{1}{2}$ fathoms. Nature of sea-bed rocks with sea-weeds. Faunae, a five-rayed star-fish. . . . .                                                                                                                  | 0 |
| 131. September 30. Rake drawn 1,050 yards, $\frac{1}{2}$ mile NNE. off cape Mocodome. Depth at start and finish 7-11 fathoms. Nature of sea-bed hard bottom with sea-weeds (a scallop valve and valves of various other mollusks). Faunae, lots of sea-urchins, 2 five-rayed star-fishes one very large, a small crab, egg-capsule of skate. . . . . | 0 |
| 132. October 3. Rake drawn 975 yards in Port Dufferin Harbour. Depth at start and finish 10-6 fathoms. Nature of sea-bed rock, mud, and sea-weeds. Faunae, several five-rayed star-fishes. . . . .                                                                                                                                                   | 0 |
| 133. October 3. Rake drawn 750 yards, 300 yards S.E. off Sandy Island, Port Dufferin. Depth at start and finish 8-9 fathoms. Nature of sea-bed rock, gravel, and sea-weeds. Faunae, multitudes of sea-urchins, a five-rayed star-fish, a horse-nussel. . . . .                                                                                       | 0 |
| 134. October 3. Rake drawn 750 yards, 1 $\frac{1}{2}$ miles N.E. off Beaver Light, Port Dufferin. Depth at start and finish 19-20 fathoms. Nature of sea-bed, hard-bottom (marked gravel on chart). Faunae, 6 five-rayed star-fishes. . . . .                                                                                                        | 0 |
| 135. October 3. Rake drawn 1,250 yards, $\frac{1}{4}$ mile N.E. by N. off Beaver Light. Depth at start and finish 16-11 fathoms. Nature of sea-bed mud. Faunae, none. . . . .                                                                                                                                                                        | 0 |
| 136. October 3. Rake drawn 800 yards, 400 yards S.E. off Hardwood, Port Dufferin. Depth at start and finish 12-9 fathoms. Nature of sea-bed mud and sea-weeds. Faunae, none. . . . .                                                                                                                                                                 | 0 |

The following concerns what was ascertained as to the spawning functions of the scallop.

Throughout the period of the observations in the gulf of St. Lawrence and northern part of the strait of Northumberland, which extended from July 27 until August 22, there were no indications of spawning. The gonads in all the scallops were full and expanded, and in colour those of the males were a beautiful cream and those of the females a vivid red, which was in keeping with what had been ascertained at all other localities where my observations hitherto were engaged in.

After then, between August 30 and October 3, only 34 scallops, all told, were obtained, 25 under the Wallace investigation and 9 in that of Chedabucto bay, the particulars of which are as follows:—

#### Wallace

August 30. A female obtained off Oak island was on the eve of spawning.

August 31. In the case of one male and two females obtained off McDonald's cove, and of 2 males and 8 females obtained off cape John, spawning was underway, and a scallop (sex indeterminable) obtained off cape John was practically spawned out.

September 1. Of 5 scallops obtained off cape Cliff, in one male and 3 females spawning was underway and in one male spawning was advanced.

Thus, in some wise, by that time of the year the function of spawning was manifested in the instances of 20 out of 25 scallops. Nevertheless, except in the scallop of which the sex could not be determined, the colours of the gonads were still maintained and were even in some cases bright.

There was an interval of time (during which the Big Island investigation was engaged in, at which place no scallops were found) between the Wallace and Chedabucto bay explorations, and the following particulars concern what was ascertained, through the 9 scallops obtained, relative to spawning at the latter place.

#### *Chedabucto Bay*

September 12. Spawning in a male scallop was proceeding, but there were multitudes of sperms still in the gonad.

September 13. The gonad of a male was evidently caving in, but it still contained millions of sperms, and the creamy colour was still retained. In another male the milt was copious, and the gonad contained millions of sperms, the colour being still retained. The gonad of a female was getting spent, but it still contained numbers of eggs, and the red colour was retained. Another female had still numerous eggs in the gonad and the colour was retained. There was also another scallop (apparently obtained on the 13th) of which the sex was indeterminate as the gonad was spent of the sex elements and the colour was therefore faded out.

September 14. The gonad of a female was thinning out, but it still contained multitudes of eggs and the colour was vivid red. The gonad of another scallop, the sex of which could not be determined, was empty of the sex elements and the colour was faded out.

September 22. A scallop, possibly a female as there seemed to be the slightest tinge of red left was spawned out.

Such were the spawning conditions of the 9 scallops obtained at Chedabucto bay, between the dates of 12th and 22nd September, and I could tell by the conditions, that in general from then on the process would have been rapid, and have no doubt through my past experience that by the end of September spawning would practically have been over.

Mention is here made of two specimens of *Pecten islandicus* obtained a number of miles off Miminegash on July 29. This species of scallop occurs at coasts of Europe including Iceland (from whence it derives its name), and extends, but sparsely, into our Atlantic waters, and years ago I found it when dredging in the waters of the gulf of St. Lawrence. Both the specimens were males, and the condition of the gonad paralleled that of our own commercial scallop at that time of the year, being compact and full and of a similar creamy colour. The shells were handed over to Doctor Huntsman at the Experimental Station, Halifax.

The following tabulations of the measurements of scallop shells, which were prepared for Doctor Huntsman and delivered at the Experimental Station, Halifax, will illustrate the sizes and the proportion of males to females of the scallops, according to the respective sources from which they were obtained. The specimens queried mostly concern those of which the sex was indeterminate on account of the stage of development of the sex elements, so that the colours of the gonads, by which the sexes are distinguishable had faded out.

Besides those, however, a few were not determined for other reasons. The sex of a scallop attached by byssus to the inside of a shell of *Cythaerea*, owing to its small size ( $1\frac{1}{4}$  inches) was not determined, nor was that of another on account of the scallop being in bad condition, whilst in the case of a third the sex had not been ascertained for some unrecorded reason, as came to light on measuring the shell after the scallop itself had been disposed of.

## GULF—ABLERTON—NORTH PONT

| Inches          | Males | Females | ? | Totals |
|-----------------|-------|---------|---|--------|
| 1 $\frac{1}{2}$ | 1     |         | 1 | 2      |
| 2 $\frac{1}{2}$ | 2     |         |   | 2      |
| 2 $\frac{1}{2}$ | 1     | 1       |   | 2      |
| 2 $\frac{1}{2}$ |       | 1       |   | 1      |
| 2 $\frac{1}{2}$ |       | 1       |   | 1      |
| 2 $\frac{1}{2}$ | 2     | 2       |   | 4      |
| 3 $\frac{1}{2}$ |       | 2       |   | 2      |
| 3 $\frac{1}{2}$ | 1     | 2       |   | 3      |
| 3 $\frac{1}{2}$ | 2     | 2       |   | 4      |
| 3 $\frac{1}{2}$ |       | 3       |   | 3      |
| 3 $\frac{1}{2}$ | 3     |         |   | 3      |
| 4 $\frac{1}{2}$ | 2     | 3       |   | 5      |
| 4 $\frac{1}{2}$ | 5     | 3       |   | 8      |
| 4 $\frac{1}{2}$ | 3     | 1       |   | 4      |
| 4 $\frac{1}{2}$ | 1     | 2       |   | 3      |
| 4 $\frac{1}{2}$ | 2     | 2       |   | 4      |
| 4 $\frac{1}{2}$ | 2     | 1       |   | 3      |
| 4 $\frac{1}{2}$ | 2     | 2       |   | 4      |
| 4 $\frac{1}{2}$ | 7     |         |   | 7      |
| 5 $\frac{1}{2}$ | 1     | 5       |   | 6      |
| 5 $\frac{1}{2}$ | 1     | 1       |   | 2      |
| 5 $\frac{1}{2}$ | 4     | 3       |   | 7      |
| 5 $\frac{1}{2}$ | 4     | 2       |   | 6      |
| 5 $\frac{1}{2}$ | 2     | 1       |   | 3      |
| 5 $\frac{1}{2}$ | 4     |         |   | 4      |
| 5 $\frac{1}{2}$ |       | 1       |   | 1      |
| 5 $\frac{1}{2}$ | 1     |         |   | 1      |
| 6               |       | 1       |   | 1      |
|                 | 53    | 44      | 1 | 98     |

## STRAIT.—PRINCE COUNTY, P.E.I.—KENT COUNTY, N.B.

| Inches          | Males | Females | ? | Totals |
|-----------------|-------|---------|---|--------|
| 2 $\frac{3}{8}$ | 1     |         |   | 1      |
| 2 $\frac{3}{8}$ | 1     |         |   | 1      |
| 2 $\frac{3}{8}$ | 1     |         |   | 1      |
| 3               | 1     | 4       |   | 5      |
| 3 $\frac{1}{8}$ |       | 4       |   | 4      |
| 3 $\frac{1}{8}$ | 7     | 1       |   | 8      |
| 3 $\frac{1}{8}$ | 7     | 4       |   | 11     |
| 3 $\frac{1}{8}$ | 11    | 9       |   | 20     |
| 3 $\frac{1}{8}$ | 1     | 4       |   | 5      |
| 3 $\frac{1}{8}$ | 6     | 3       |   | 9      |
| 3 $\frac{1}{8}$ | 2     |         |   | 2      |
| 4 $\frac{1}{8}$ | 3     | 4       |   | 7      |
| 4 $\frac{1}{8}$ | 5     | 2       | 1 | 8      |
| 4 $\frac{1}{8}$ | 7     | 3       |   | 10     |
| 4 $\frac{1}{8}$ | 5     | 4       |   | 9      |
| 4 $\frac{1}{8}$ | 7     | 10      |   | 17     |
| 4 $\frac{1}{8}$ | 2     | 5       |   | 7      |
| 4 $\frac{1}{8}$ | 5     | 5       |   | 10     |
| 4 $\frac{1}{8}$ | 4     | 4       |   | 8      |
| 5 $\frac{1}{8}$ | 8     | 3       |   | 11     |
| 5 $\frac{1}{8}$ |       | 2       | 1 | 3      |
| 5 $\frac{1}{8}$ | 4     | 2       |   | 6      |
| 5 $\frac{1}{8}$ | 2     | 1       |   | 3      |
| 5 $\frac{1}{8}$ |       | 2       |   | 2      |
| 5 $\frac{1}{8}$ | 1     |         |   | 1      |
| 5 $\frac{1}{8}$ |       | 1       |   | 1      |
|                 | 91    | 77      | 2 | 170    |

## WALLACE

| Inches                | Males | Females | ? | Totals |
|-----------------------|-------|---------|---|--------|
| 3.....                | 1     | 1       |   | 2      |
| 3 $\frac{1}{4}$ ..... |       | 2       |   | 2      |
| 3 $\frac{1}{2}$ ..... |       | 1       |   | 1      |
| 3 $\frac{3}{4}$ ..... |       | 1       |   | 1      |
| 3 $\frac{1}{2}$ ..... | 1     | 3       |   | 4      |
| 3 $\frac{3}{4}$ ..... | 1     |         |   | 1      |
| 4.....                |       |         | 1 | 1      |
| 4 $\frac{1}{8}$ ..... |       | 1       |   | 1      |
| 4 $\frac{1}{4}$ ..... | 1     |         |   | 1      |
| 4 $\frac{3}{8}$ ..... | 2     | 3       |   | 5      |
| 4 $\frac{1}{2}$ ..... | 2     |         |   | 2      |
| 4 $\frac{5}{8}$ ..... | 1     | 1       |   | 2      |
| 4 $\frac{3}{4}$ ..... |       | 1       |   | 1      |
| 4 $\frac{7}{8}$ ..... | 1     |         |   | 1      |
|                       | 10    | 14      | 1 | 25     |

## CHEDABUCTO BAY

|                       |   |   |   |   |
|-----------------------|---|---|---|---|
| 3 $\frac{1}{4}$ ..... |   | 1 |   | 1 |
| 3 $\frac{1}{2}$ ..... | 1 |   | 2 | 3 |
| 4 $\frac{1}{8}$ ..... | 1 |   |   | 1 |
| 4 $\frac{1}{4}$ ..... |   | 1 |   | 1 |
| 5 $\frac{1}{8}$ ..... | 1 |   |   | 1 |
| 5 $\frac{1}{4}$ ..... |   |   | 1 | 1 |
| 5 $\frac{3}{8}$ ..... |   | 1 |   | 1 |
|                       | 3 | 3 | 3 | 9 |

## EXAMINATION OF OYSTER BEDS

Neither at Upper Caraquet bay nor at Baie du Vin, where the examinations were made, were the beds found to be in good shape.

In the former the oysters exist at the western end of the bay in an area of about one and a quarter miles by one mile, and are more numerous on the Maisonette side than they are on the Upper Caraquet side. The bay is supplied with fresh water by two rivers, known as the north and south rivers, and the south river is a more considerable body of water than the north river.

Great masses of debris, composed of dead oyster and dead mussel shells, sometimes mingled with dead eel-grass and mud, were brought up by the rakes, and the hand had often to be passed through that material in order to find the living oysters.

This spot of the Baie Chaleur, however, has according to its size doubtless been in the past a good oyster resort with a good quality oyster.

The oysters are now of small size, the great majority of those obtained were under three inches in length, and it may be that the oysters of this place have never been of any considerable size.

The following tabulation of the measurements of 103 oysters obtained in Upper Caraquet bay presents a comparison of the numbers of those under 3 inches with those of 3 inches and over.



| Inches                | Oysters | Inches                 | Oysters |
|-----------------------|---------|------------------------|---------|
| 1 $\frac{3}{4}$ ..... | 1       | 3.....                 | 6       |
| 1 $\frac{1}{2}$ ..... | 2       | 3 $\frac{1}{2}$ .....  | 2       |
| 1 $\frac{1}{4}$ ..... | 1       | 3 $\frac{3}{4}$ .....  | 6       |
| 1 $\frac{1}{8}$ ..... | 4       | 3 $\frac{7}{8}$ .....  | 4       |
| 2.....                | 4       | 3 $\frac{7}{8}$ .....  | 3       |
| 2 $\frac{1}{8}$ ..... | 6       | 3 $\frac{7}{8}$ .....  | 3       |
| 2 $\frac{1}{4}$ ..... | 11      | 3 $\frac{7}{8}$ .....  | 1       |
| 2 $\frac{1}{2}$ ..... | 7       | 4.....                 | 1       |
| 2 $\frac{3}{4}$ ..... | 11      | 4 $\frac{1}{2}$ .....  | 1       |
| 2 $\frac{7}{8}$ ..... | 7       | 4 $\frac{3}{4}$ .....  | 2       |
| 2 $\frac{7}{8}$ ..... | 9       | 5 $\frac{1}{8}$ .....  | 2       |
| 2 $\frac{7}{8}$ ..... | 8       | 5 $\frac{1}{4}$ .....  | 1       |
| Under 3 inches.....   | 71      | 3 inches and over..... | 32      |

As regards the physical nature of the sea-bed, or what by nature pertained to it, there is the following to be stated:—

The bed was almost entirely composed of a mixture of sand and mud, with hardly such a thing as a stone, and there was an unlimited supply of food, as diatoms of various kinds were found in sediment from oyster and mussel shells, in the water in the pail, and in the digestive gland of the oyster.

Besides dead oyster and dead mussel shells, in spots there were living mussels that outnumbered the living oysters, to the detriment of the latter. Sometimes the oysters were rather laden with mussels, and on one of the larger oysters nine good-sized mussels were attached. But there were few attachments of other living objects on the oysters. A few specimens, alive or dead, of slipper shells (*Crepidula*) of the two species indigenous to Maritime waters were found.

Towards the north side of the bay numerous medusoids (jelly-fishes) were floating through the water, but unless such might be harmful to the floating oyster spat they could not be injurious to the oyster; and in general free moving forms on the sea-bed were so scarce as to be hardly worthy of mention, and no star-fishes were found.

The examination of the Upper Caraquet bay oyster bed was made on and between the dates of July 6 and 12. The spawning time was not then on, but it seemed apparent it was about to be.

The examination of oyster beds of Baie du Vin was made on the 9th of November.

The purpose of the visit was chiefly to examine the sizes of the oysters, which on certain beds were said to be very small. Those reputed beds were three in number, viz: Oyster point, Egg island, and Blue Rock beds. The distances between them were estimated approximately to be 1 $\frac{1}{2}$  miles between the first mentioned and the second, 2 miles between the second and third, and 3 $\frac{1}{2}$  miles between the first and third.

The examination of specimens was made when out with the local overseer in his boat, his guardian being also on board, when a sufficient number were obtained for the purpose required, besides which, the oyster fishing season being then open, specimens were also examined when among the fishing boats which were crowded in their operations on or bordering the Blue Rock bed, which was one of the beds where the oysters were alleged to be so small.

A representation had been made that, as the oysters on those beds did not exceed 2 $\frac{1}{2}$  or 2 $\frac{3}{4}$  inches in size, unless fishermen were permitted to take oysters of smaller size than the present regulation covers they could not make the fishing profitable.

In itself, however, the claim as to the undersize of the oysters on those beds was not strictly correct, as besides undersized ones, specimens of 3 inches or over were obtained, as the following tabulation will show:—

| Under 3 inches |    | 3 inches and over |    |
|----------------|----|-------------------|----|
| 1½.....        | 1  | 3.....            | 2  |
| 1¾.....        | 1  | 3½.....           | 2  |
| 2.....         | 2  | 3¾.....           | 1  |
| 2¼.....        | 3  | 3¾.....           | 1  |
| 2½.....        | 2  | 3¾.....           | 2  |
| 2¾.....        | 5  | 3¾.....           | 1  |
| 2¾.....        | 2  | 3¾.....           | 1  |
| 2¾.....        | 1  | 4.....            | 1  |
| 2¾.....        | 2  | 4½.....           | 2  |
|                | 19 |                   | 13 |

Measurements according to the beds were: Oyster point, 11 below legal size and 2 above 3 inches; Egg island, 4 below legal size and 5, 3 inches or over; and Blue rock, 4 below legal size and 6, 3 inches or over.

But everything considered, and allowing for what has been shown about there being oysters of larger size than represented, the beds, especially Oyster Point bed, were in poor shape. No wonder that there are not enough oysters within the present regulation size to make the fishing profitable, for there could be little chance, with such a crowd of boats operating on the beds, for many of the undersized or coming up oysters to exceed the minimum regulation size.

As a matter of fact it was hard work to get fishermen to distinctively show where the location of the Blue Rock bed was, as a spot apart from the entire area over which the boats were operating, and all that can be said from what had been seen is, it cannot be long, under the present condition, before all three beds will be depleted of oysters of three inches or over in size.

That is the condition of the Oyster point bed now, and the percentage of oysters measured from that bed was about 84½ under regulation size and about 15½ over three inches.

During the time of the shell-fish investigations two demonstrated addresses were delivered to the fishermen and fishery officers. One was a talk on the oyster in the schoolhouse at Upper Caraquet, and the other a talk on the scallop and lobster at Alberton. As opportunity was afforded I had also conversations concerning shell-fish with fishermen personally or in groups.

In the course of the fiscal year various questions bearing on the natural history of marine or other aquatic organisms were referred to me, and a collection of fishes from the arctics made by Mr. J. D. Soper, was by request of the Victoria Memorial Museum examined by me, and an account of the same, entitled: "Notes on a collection of Arctic Fishes," the result of the examination, was sent to the museum, a copy of which is on file.

## APPENDIX No. 4

## REPORT OF C. BRUCE, A.M.E.I.C., FISHERIES ENGINEER

Work in this branch included that under the headings,—

- (a) Clearing Rivers and Building Fishways.
- (b) Fish Culture.
- (c) Biological Stations.
- (d) General.

Under the heading "Clearing Rivers and Building Fishways" the following works were performed:—

## NOVA SCOTIA

*Salmon River, Yarmouth County.*—Owing to representations that fishways should be installed in several dams on this river, a general inspection was made. The first two dams from the mouth of the river are opened up to the passage of fish by about the first of April allowing both salmon and alewives to ascend as far as Hooper lake. Evidence was obtained that no good purpose would be served in opening the river above this point as it is small and sluggish and, moreover, the bottom is in many places full of old decayed sawdust to considerable depth.

*El River, Yarmouth County.*—Inspection was made relative to the necessity for having a guardian on duty during the time alewives are running.

*Barrington River, Shelburne County.*—Inspections of the fishways in the Woollen Mill and Electric Light dams made. Owing to representations that salmon were ascending the tailrace channels from both of these dams, providing thereby favourable poaching conditions, arrangements were made to have these channels screened during the period when salmon are ascending. Arrangements were also made for some slight improvement to the fishway in the Electric Light dam.

*Jordan River, Shelburne County.*—The fishway in the dam at the mouth of the river was rebuilt, the type of construction being changed to improve it. A wing dam was also built to confine the water around the foot of the fishway and a channel opened from this to the centre of the river.

The fishway in the second dam was altered so that the lower entrance would be submerged during low water.

The cost of work above outlined was \$643.27.

*Green Harbour River, Shelburne County.*—During the last several years a fair run of salmon has been entering this river, possibly due to the facts that the Jordan river, not far distant, was blocked and that the development of electric power has stabilized the flow to a greater extent than was the case formerly. An inspection of the river was made to determine the necessity for deepening shallow portions to make them more readily accessible for salmon. Owing to abnormally high water during the early fall it was impossible to carry out the works contemplated.

*Mersey River, Liverpool County.*—The fishways built in the five dams on this river in 1923, have proved eminently satisfactory. The first return of salmon in any appreciable numbers was noted in 1926, and during the season

of 1927, angling was good with large catches. Some small repairs were made to the concrete wing walls of the fishways where frost had broken off pieces during the previous winter. Owing to the liability of debris collecting and blocking the upper entrances of the first two fishways heavy log booms were provided. The expenditure entailed was \$193.67.

An inspection was made of the storage dam at Indian Gardens at the foot of lake Rossignol and plans prepared for a fishway therein, but owing to later information that the Nova Scotia Power Commission would likely proceed with extensive power developments during the season of 1928, no action to require this fishway was taken.

*Petite Riviere, Lunenburg County.*—A general inspection was made of the fishways on this river and arrangements made for improving conditions at the Conquerall Mills dam, enlarging one of the pools in the fishway and opening up a channel in the river bed below to give salmon a better opportunity of ascending during low water. An expenditure of \$100 was involved in this work.

*La Have River, Lunenburg County.*—An inspection of the fishway built by Messrs. Hollingsworth and Whitney in the second dam on this river was made and directions given regarding some modifications which were necessary on account of errors in construction.

Following an inspection of De Long's dam on the North Branch of the La Have river, directions were given the owner regarding the construction of a run-round fishway to replace an old wooden fishway which was in such a poor state of repair as to be ineffective.

*Lequille River, Annapolis County.*—An inspection was made of the fishway in the hydro-electric power dam owned by the town of Annapolis on this river, and the mayor was interviewed regarding the repair of the concrete walls and floor which were broken down in some places.

*Annapolis River, Annapolis County.*—The fishway in the hydro-electric power dam at Lawrencetown was inspected and conditions found to be normal.

*Nictaux River, Annapolis County.*—An inspection was made of the work done the previous year at Nictaux Falls, which included several concrete wing dams. Conditions were found to be much improved and a passage for salmon over the falls is now considered to be assured at practically all stages of water. The question of improving the fishway in the hydro-electric power dam at the head of the falls was looked into, but no decision to do any work was reached, as salmon have got past the dam with very little difficulty.

An inspection was made of the Charles Rogers dam on this river, and as a result of investigation it was decided that a new concrete fishway should be built. Surveys were made from which designs will be made with a view to having the fishway built in the summer of 1928.

*Cornwallis River, Kings County.*—Plans for a fishway having been previously served on Mr. J. W. Cook, owner of a small dam on this river, a further inspection was made to arrange for details regarding which Mr. Cook was desirous of having further information.

*Gaspereaux River, Kings County.*—Owing to increased fluctuation in the head of water at the hydro-electric power dam on this river at White rock, arrangements were made to effect some slight modifications to the upper entrance of the fishway to reduce the velocity of water.

*Herbert River, Hants County.*—An inspection and survey were made for the construction of a fishway in a small dam recently built by Mr. Ira S. Crowe. Plans for the fishway were subsequently prepared.

*Meander River, Hants County.*—An inspection was made of an old dam on this river which had recently been closed for log driving purposes. In an interview with the owner it was agreed that he would provide an opening through the dam to permit the passage of salmon during the period of the run, in lieu of building a fishway.

*Osier River, Halifax County.*—An inspection of the fishway built during the spring in Boutillier's dam was made.

*Nine Mile River, Halifax County.*—At the request of Messrs. Geo. Fraser & Sons, Timberlea, that plans for a fishway in their dam on this river be supplied, a survey was made and the plans subsequently sent to them.

A small obstruction to the passage of salmon was removed at a cost of \$5.

*Ingram River, Halifax County.*—An inspection was made of the fishway in Messrs. Miller Brothers' dam. Conditions were found to be unsatisfactory, the dam being in such a leaky condition that it would not retain a head of water sufficient to supply a fishway. An arrangement was made with the owners to undertake certain repairs to the fishway.

*Ship Harbour River, Halifax County.*—An inspection and survey were made for a fishway in the dam at the foot of Ship Harbour lake and plans were subsequently furnished to the owners of the dam. This fishway is to replace one that was not wholly effective.

*Tangier River, Halifax County.*—An inspection of the fishway near the mouth of the river was made and slight repairs arranged which were carried out by the overseer at a cost of \$3.38.

*East River Sheet Harbour, Halifax County.*—An inspection of the fishway built by the Nova Scotia Power Commission in their intake dam at Ruth Falls hydro-electric power development was made and the Commission notified regarding some slight modifications which were considered desirable to make it more effective.

In Cape Breton Island a number of the smaller streams require some attention every year. Owing to the hilly nature of the country and consequent heavy run-off during freshets they frequently become obstructed with old logs, uprooted trees and debris which in many cases form a complete barrier to the ascent of trout and salmon. Obstructions of this nature are removed by day labour under the supervision of the fishery overseer. The following is a list of the streams from which obstructions were removed with the cost:—

|                                            |          |
|--------------------------------------------|----------|
| Southwest brook, Cape Breton county.....   | \$249 25 |
| Northwest brook, Cape Breton county.....   | 50 00    |
| Ferguson's brook, Cape Breton county.....  | 49 50    |
| Nicholson's brook, Cape Breton county..... | 44 95    |
| Benacadie river, Cape Breton county.....   | 48 95    |
| Big brook, Inverness county.....           | 20 00    |
| Murray's brook, Richmond county.....       | 269 95   |

#### NEW BRUNSWICK

*Mispec River, St. John County.*—There has been for a number of years a stone dam at the mouth of this river, upwards of fifty feet in height. The question of providing a fishway for salmon has been considered on a number of occasions previously, but owing to the heavy cost of construction and doubt as to the efficiency of any structure which might be built, no action was taken.

Last year a large gate through the dam, at a height about six feet above the bottom, was blown out by persons interested in providing a passage for salmon. Following this it was observed that salmon were attempting to ascend by jumping at the gate opening, but were unable to do so.

Surveys were made for the provision of a fishway which would enable their ascent.

*Hammond River, St. John County.*—An inspection was made of a dam on this river which, it was alleged, prevented the ascent of salmon. The dam, which was originally built for log-driving purposes was unused and the gates were open. As the ascent through the gate openings only involved a jump of about two feet, it was not considered that any action to improve conditions was necessary. Later investigation confirmed this view, information being obtained that salmon were seen above the dam.

*Skiff Lake, York County.*—An examination and survey were made at the outlet of this lake for data in connection with the provision of screens to prevent the descent of land-locked salmon into the outlet stream, from which, it was alleged they were unable to return.

*Aroostook River, Victoria County.*—The Aroostook river, a tributary of the St. John river, is practically all in the state of Maine. The Aroostook Power Company has a large hydro-electric dam on the river a short distance above the confluence. While the Canadian Government has not been interested in the river, owing to the fact that any salmon ascending would be for the benefit of the state of Maine, the Government of that state has urged that provision be made for the ascent of salmon. At the request of the Commissioner of Inland Game and Fisheries for Maine, an inspection of the dam was made in company with officials of his department. As a result of the conference following the inspection, it was agreed that the State Department would undertake to provide a fishway and make all the necessary arrangements with the Power Company relating thereto.

#### MANITOBA

Following an inspection of several rivers, in previous years, designs for fishways in several dams were prepared and furnished to the owners of the dams for execution of the work.

During the current year, fishways were built in the following locations by the companies indicated:—

Whitemud river, at Gladstone, Canadian Pacific Railway.

Whitemud river, at Westbourne, Canadian Pacific Railway.

Ochre river, at Ochre, Canadian National Railway.

Vermilion river, at Dauphin, Canadian National Railway.

Pipestone creek, at Bellview, Canadian National Railway.

#### SASKATCHEWAN

Designs were furnished and fishways built during the current year as follows:—

Qu'Appelle river, at Craven, Department of Public Works.

Gravelbourg, Canadian National Railway.

#### ALBERTA

Designs were furnished and fishway built during the current year by the Canadian Pacific Railway in their dam on the Vermilion river.

#### BRITISH COLUMBIA

*Marble Creek, Vancouver Island.*—An obstruction consisted of an accumulation of debris, logs, roots and stumps extending for a distance of one hundred and fifty feet in the stream bed and piled twenty feet high within the canyon walls. All material above water level was cut and blasted into small pieces which, it was expected, would float to sea in freshet. Subsequently it was reported that certain submerged logs which could not be dealt with at the time, had come to the surface and in their course down the stream had lodged in

a narrow stretch of river holding up a portion of the cut material as well as all drift being carried down by the stream. The removal of this new jam is being attended to so as to ensure the permanence of the main work. The removal of this obstruction was under the supervision of the engineers, the cost being \$1,676.55.

A number of smaller obstructions were removed from streams under the direct supervision of the overseer or guardian, in each instance, as follows:—

|                                |                 |     |    |
|--------------------------------|-----------------|-----|----|
| Owen creek.....                | at a cost of \$ | 25  | 35 |
| Capilano river.....            | "               | 4   | 00 |
| Two Mile creek.....            | "               | 12  | 47 |
| Oke-over arm.....              | "               | 12  | 00 |
| Koeye river.....               | "               | 25  | 87 |
| Goldstream.....                | "               | 96  | 40 |
| Owes-Sit-Sa creek.....         | "               | 22  | 00 |
| Nicomeki river.....            | "               | 53  | 40 |
| Serpentine river.....          | "               | 28  | 75 |
| Wakefield river.....           | "               | 20  | 00 |
| Fishermans river.....          | "               | 140 | 00 |
| Ruby, Bear and Lee creeks..... | "               | 100 | 00 |
| Village Bay creek.....         | "               | 11  | 12 |
| Isolem river.....              | "               | 27  | 80 |
| Eastern creek.....             | "               | 35  | 55 |
| Black creek.....               | "               | 15  | 90 |
| Sauch-en-Auch creek.....       | "               | 47  | 36 |
| Bust creek.....                | "               | 7   | 00 |
| 103rd creek.....               | "               | 6   | 85 |
| Kapriuo river.....             | "               | 28  | 00 |
| Johnson river.....             | "               | 29  | 75 |
| Nimpkish creek.....            | "               | 19  | 20 |
| Fish lake.....                 | "               | 35  | 50 |
| Shuswap falls.....             | "               | 8   | 10 |

*Stamp River, Vancouver Island.*—A fishway was built over Stamp falls, under the direct supervision of the engineering staff, at a cost of \$7,015.58. The work involved the excavation of 648 cubic yards of solid rock and the placing of 91 cubic yards of concrete. Owing to unusually high water, the execution of the work was a matter of considerable difficulty and completion was retarded until the latter end of September, when the main body of the sockeye run was over. Those salmon arriving after completion of the work passed up through the fishway without difficulty. This fishway will be the means of relieving the situation at this point which, in the past, has made necessary the passing of fish over the falls by hand.

*Fraser River, Bridge River Falls.*—A fishway was excavated entirely in solid rock, under the direction of the engineering staff, at a cost of \$643.17. Owing to the great range of water in the canyons and narrow places on the Fraser river, such fishways are useful only during the particular stages of the river for which they are intended. This fishway was built to operate at the lowest stages of flow which was only recorded for a very short period of time during last season. The conditions for this stage of water have been greatly improved by the fishway.

*Nicola Lake.*—A fishway thirty-six feet long and six feet wide was incorporated in the dam constructed during the year at the foot of Nicola lake, near the town of Nicola, B.C., permitting salmon to pass without difficulty.

*Hell's Gate, Fraser River.*—Owing to the fact that salmon are unable, at certain stages of water, to negotiate the rapids at Hell's Gate, a board of Engineers comprising representatives from the Department of Public Works, the Water Power and Reclamation Service, the provincial Department of Fisheries, and the federal Department of Fisheries, was formed, to carry out investigations looking to the necessity and possible means of improving conditions at this point.

Complete surveys of the canyon at Hell's Gate were conducted, cable stations established for measuring velocities and gauges set both above and

below the gate, from which studies of all conditions affecting velocities, turbulence, etc., were made. The cost of these investigations, which are still in progress was \$2,166.55, and considerable time of the engineering staff was devoted them.

*Baker River Fishway.*—This project which involves an elevator designed to take salmon over a dam about two hundred and sixty-five feet high, located on Baker river, in the state of Washington, was carefully examined and such data as was available secured.

*Buckley River (Hagweligat Canyon).*—An inspection was made and report prepared on the possibility of damage to the river by the construction of new bridge abutments.

*Puntledge River.*—Inspection was made of obstructions and directions given regarding the reconstruction of the fishway in the impounding dam of the Canadian Collieries (Dunsmuir).

*Prospect Lake.*—An inspection of the fishway was made.

Under the heading "Fish Culture," the following works were performed:—

#### NOVA SCOTIA

*Yarmouth Hatchery.*—A careful examination was made of a number of streams in Yarmouth county for the purpose of selecting a site for a salmon and trout hatchery establishment, involving surveys to obtain levels and volumes of discharge. The site finally approved by the department at the outlet lake George was surveyed for the necessary property and water rights.

*Antigonish Hatchery.*—Complete surveys of a site for a salmon and trout hatchery establishment were made at Fraser's Mills on the South river, this site having been approved by the department after a number of others had been eliminated.

*Windsor Hatchery.*—Owing to the pollution of the stream from which the water supply for the Windsor Hatchery is obtained by large gypsum mining operations, it was necessary to give consideration to the selection of a new site. Several streams were examined and preliminary surveys conducted to determine their suitability for hatchery purposes.

#### NEW BRUNSWICK

*Florenceville Hatchery.*—Plans and specifications were prepared and contract let and completed for the construction of a salmon and trout hatchery establishment at White Marsh creek, near Florenceville, N.B. The work under this contract included the main building eighty-nine feet ten inches long, and twenty-three feet wide, and a combination garage and ice house thirty-two feet long by eighteen feet wide.

The main building contains a six-room dwelling house for the superintendent at one end and two rooms for the assistant with an office over at the other. The hatching room proper is fifty-three feet long, one storey, with side and roof lighting. The equipment includes thirty hatching troughs, standard design, sixteen feet long. Floors of the hatchery are of concrete throughout and in designing it a new feature was introduced, consisting of twelve floor tanks each twelve feet long, two feet two inches wide, and one foot deep, two tanks being placed under each cluster of hatching troughs. The tanks are supplied independently with water from the overflow of the hatching troughs and are designed primarily as a means of relieving congestion during the hatching period.



The dwelling is heated with hot air furnace, and equipped with sanitary plumbing, the water supply for which is obtained from a well by an automatic electric pumping equipment, and the waste from which is discharged into a septic tank. All buildings throughout are lighted by electricity.

The garage building contains accommodation for two cars or trucks, an ice room with cold chamber for keeping feed for rearing of fry, and storage room overhead.

The water supply for the establishment is obtained from the reservoir formed by building an earth embankment dam with concrete core-wall, discharge gates and inlet gates, the dam being about one hundred and fifty feet long and twelve feet high at the gates. Water is conducted to the hatchery by a six inch wire wound wood stave pipe and to the rearing pond system by a similar pipe ten inches in diameter.

The rearing pond system consists of eight ponds each one hundred and twenty-six feet long, five feet wide and four feet deep, constructed with concrete side walls and gravel bottoms, each pond being fed independently from the water supply. On account of the lateness of the season, only five of these ponds were completed, but excavations for the balance were removed and the whole left in readiness for completion next year.

The construction of the dam and rearing ponds was done by day labour, under the direct supervision of the Engineers.

*St. John Hatchery.*—The rearing and brooding facilities at this hatchery were extended by the construction of fourteen ponds, of varying lengths to suit the ground location, the total length being twenty-one hundred and twenty-eight feet. Ponds are all four feet wide with side walls of concrete and bottoms of gravel. The water supply is obtained from Little river reservoir, a new eight-inch wood stave pipe being installed and from a large spring from which an eight-inch pipe was also laid. Both sources of water supply are led into a concrete tank where they may be mixed as desired thus regulating to a certain extent, the temperature of the water before it enters the head trough of the pond system. The ponds are arranged so that each may be supplied separately from the head trough or the water may, if desired, be circulated through two, three, or more from one supply.

The entire pond system was enclosed in a link chain wire fence three feet high with a twelve-inch band of smooth galvanized iron around the top to prevent the entrance of mink.

Electricity having become available during the year, the buildings, including dwelling, hatchery and garage, were wired and equipped with lighting fixtures. Several lights were also established around the pond system controlled by switches from the dwelling, as a protection against possible poaching.

The hot air furnace in the dwelling was repaired and one new register with heating pipe installed.

*Restigouche Hatchery.*—Extensive repairs were made to the establishment including the renewal of one half the floor in the hatchery, shingling the north slope of the roof, repairing foundations, and installing a sanitary closet combination in the superintendent's quarters. The roofs of several outbuildings were reshingled and repairs made to the water supply to the hatchery.

#### ALBERTA

*Lesser Slave Lake Hatchery, Alberta.*—An inspection, covering the entire length of the lake, was made for the selection of a site for a whitefish hatchery in Lesser Slave lake. The location finally decided upon as being most suitable is at Canyon creek on the south side of the lake, about eighteen miles from the lower end. The lake is quite shallow around the shores and is, moreover,

subject to extremely heavy ice floes during the break up in the spring. In the selection of the site, it was necessary to find a location that provided fairly deep water at a reasonable distance from the shore, in order that a water supply could be obtained. Protection against the heavy run of ice was also necessary to insure reasonable safety for the intake pipe.

A contract was awarded for the construction of the hatchery in the fall of the year. The main building is seventy-six feet long and forty feet wide, fitted with eight hundred and eighty-eight hatching jars providing capacity for one hundred and thirty million whitefish eggs.

The ground floor is laid out for the hatching room and engine room and the upper floor is entirely taken up with living quarters which comprise a six room apartment for the superintendent and seven rooms for the accommodation of the staff.

Plans and specifications were prepared for a wharf four hundred feet long which was necessary to provide harbour for the hatchery boats and protection for the intake pipe.

The work in connection with this establishment will not be completed until next autumn.

*Waterton Lakes Park Hatchery, Alberta.*—An inspection covering a number of streams in southern Alberta was made for the selection of a site for a Trout hatchery. The location finally decided upon is in the Waterton Lakes National Park. A contract was awarded for the construction of a hatchery forty-four feet long by twenty-four feet wide and a one storey cottage for the superintendent, thirty-two feet six inches long and twenty-two feet six inches wide.

The hatchery is divided into two rooms, one thirty-one feet by twenty-three feet providing the hatching room and the other twenty-three feet by twelve feet being fitted as a garage for the hatchery truck.

The hatching room is fitted with fifteen standard hatching troughs sixteen feet long, and six concrete tanks in the floor, two under each cluster of hatching troughs, each two feet wide and fourteen feet long. Provision has been made so that in the event of operations becoming larger, the space occupied by the garage may be converted into additional hatching room. The water supply is obtained by gravity through an eight-inch wood stave pipe from Spring creek where a small concrete dam was built to provide a reservoir.

The dwelling is fitted with sanitary plumbing, the water supply for which is piped from Spring creek, the discharge being into a septic tank. A hot air furnace is provided for heating.

*Jasper Park Subhatchery, Alberta.*—A subsidiary hatchery was arranged in a long cabin nineteen feet long by fifteen feet wide, a building formerly used by one of the park guardians. Ten standard hatching troughs were installed with the other requisite equipment, providing a capacity for two hundred and fifty thousand Trout eggs.

#### BRITISH COLUMBIA

*Nelson Hatchery, B.C.*—Improved quarters for the troughs and equipment of this hatchery were obtained in the basement of the Armoury in Nelson, and the hatchery was moved into them.

*Summerland Hatchery, B.C.*—A concrete block building thirty feet long and sixteen and one-half feet wide was purchased from the municipality of Summerland for the establishment of a small hatchery on Okanagan lake, the water supply being from the overflow of springs used by the municipality for water services.

The building was refloored and fitted with a whitefish battery of fifty-two jars and with eight standard hatching troughs for trout, each fourteen feet long.

In the basement, under the main floor, a whitefish tank for fry, twenty feet long and four feet wide, and two tanks for trout fry, each twenty feet long by three feet wide, were installed. The building is lighted by electricity.

*Stuart Lake Hatchery, B.C.*—The entire foundation logs, and such of the wall logs as were rotted, were renewed with sound timber. The work was done under the supervision of the engineering staff with local labour.

*Francois Lake Hatchery, B.C.*—A survey was made by the engineering staff for purposes of estimate for a site and construction of a hatchery. A small log building was built on the Nadina river flowing into Francois lake, to provide shelter for egg-planting operations in that district.

*Lakelse Hatchery, B.C.*—A new boat-house and marine ways were constructed to house the new hatchery boat, which is considerably longer and heavier than the one it replaced.

Under the heading "Biological Stations", the following works were performed:—

*Marine Laboratory, Eastern Passage, Halifax County.*—Following the decision by the department to erect this station, the site was inspected and afterwards acquired. A number of conferences were held with Dr. A. G. Huntsman, Director of the Fisheries Experimental Station, after which plans and specifications for the laboratory were prepared. The building is seventy-five feet long and thirty-two feet six inches wide, with basement, one floor above and attic space for storage, supply-tanks, etc. Construction is concrete foundations and hollow tile walls faced with brick work. The basement has concrete floor and is subdivided into several rooms required for laboratories, work room and engine room.

The first floor is reinforced concrete construction supported on columns, and subdivided into the several laboratories, common room and office.

The building is equipped with sanitary plumbing, electric lighting and electrical outlets for laboratory purposes.

Under the heading "General" may be classed the inside work of the engineering staff, which included the preparations of numbers of plans for equipment, special maps relating to the fisheries and the preparation of reports and other office work.

The engineering staff supervised the establishment of anchorages for fishing boundary signs at Big Qualicum, Little Qualicum river and Oyster river, in British Columbia.

## APPENDIX No. 5

## FISHERIES

## FINANCIAL STATEMENT, 1927-28

| Vote No.    | Service                                                                                                                                                    | Appropriation | Expenditure  |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
|             |                                                                                                                                                            | \$ cts.       | \$ cts.      |
| 246         | (Salaries and disbursements, fishery officers....\$ 428,520 33<br>Fisheries Patrol Service..... 275,182 60<br>Fisheries Protection Service..... 196,613 18 |               |              |
| 247         | Building fishways, etc.....                                                                                                                                | 910,000 00    | 900,316 11   |
| 248         | Legal and incidental expenses.....                                                                                                                         | 20,000 00     | 14,319 06    |
| 249 and 505 | Conservation and development of deep sea fisheries.....                                                                                                    | 5,000 00      | 4,006 17     |
| 250         | Fisheries Intelligence Bureau.....                                                                                                                         | 130,000 00    | 129,878 91   |
| 251         | Inspection of pickled fish.....                                                                                                                            | 1,000 00      | 561 57       |
| 252         | Fish culture.....                                                                                                                                          | 26,000 00     | 24,894 85    |
| 253 and 506 | International Halibut Commission.....                                                                                                                      | 410,000 00    | 349,141 63   |
| 254         | Marine Biological Board.....                                                                                                                               | 28,500 00     | 31,652 54    |
| 337         | Compassionate allowance to widow of late F. Askew.....                                                                                                     | 138,000 00    | 138,000 00   |
|             |                                                                                                                                                            | 2,000 00      | 2,000 00     |
|             |                                                                                                                                                            | 1,670,500 00  | 1,594,770 84 |
| 17 and 436  | Civil Government salaries.....                                                                                                                             | 107,220 00    | 93,617 81    |
| 17 and 436  | Contingencies.....                                                                                                                                         | 28,500 00     | 27,795 77    |
| Stat'y      | Fishing bounty.....                                                                                                                                        | 160,000 00    | 158,375 80   |
|             |                                                                                                                                                            | 1,966,220 00  | 1,874,560 22 |
| 535         | To provide for increases to Civil Service, both inside and outside.....                                                                                    |               | 19,449 92    |
|             | Gratuities.....                                                                                                                                            |               | 350 00       |
|             | Superannuation Fund No. 5 (Act 1924).....                                                                                                                  |               | 1 82         |
|             |                                                                                                                                                            |               | 1,894,361 96 |

# STATEMENT OF REVENUE RECEIVED DURING FISCAL YEAR 1927-28

| Class                                            | Total      | General Account | Nova Scotia | Prince Edward Island | New Brunswick | Quebec  | Manitoba  | Saskatchewan | Alberta   | British Columbia | Yukon   |
|--------------------------------------------------|------------|-----------------|-------------|----------------------|---------------|---------|-----------|--------------|-----------|------------------|---------|
|                                                  | \$ cts.    | \$ cts.         | \$ cts.     | \$ cts.              | \$ cts.       | \$ cts. | \$ cts.   | \$ cts.      | \$ cts.   | \$ cts.          | \$ cts. |
| Fisheries revenue.....                           | 119,150 59 |                 | 10,517 75   | 2,887 75             | 11,062 50     |         | 22,434 00 | 5,750 25     | 18,364 50 | 47,628 84        | 505 00  |
| Fines and forfeitures (Fisheries Act).....       | 11,382 36  |                 | 984 80      | 773 80               | 1,319 60      |         | 1,269 67  | 508 79       | 970 73    | 5,554 97         |         |
| Fines and forfeitures (Fish Inspection Act)..... | 51 00      |                 | 10 00       | 40 00                | 1 00          |         |           |              |           |                  |         |
| Modus vivendi licenses.....                      | 186 00     |                 |             |                      |               |         |           |              |           | 186 00           |         |
| Casual revenue.....                              | 8,877 09   | 6,961 48        | 243 70      | 64 73                | 110 25        | 96 30   | 69 45     |              | 1,331 18  |                  |         |
| Fish culture revenue.....                        | 196 55     |                 | 2 00        |                      | 170 15        |         | 8 00      | 15 20        |           | 1 20             |         |
| Pelagic Sealing Treaty.....                      | 95,014 07  | 95,014 07       |             |                      |               |         |           |              |           |                  |         |
| Premium on exchange.....                         | 14 25      | 8 25            |             |                      |               |         |           |              |           | 6 00             |         |
|                                                  | 234,871 91 | 101,983 80      | 11,758 25   | 3,766 28             | 12,663 50     | 96 30   | 23,781 12 | 6,274 24     | 20,666 41 | 53,377 01        | 505 00  |
| Less refund of fees received prior 1927-28..     | 7 00       |                 |             |                      |               |         |           |              |           |                  |         |
| Less refund of fines received prior 1927-28..    | 10 00      |                 |             |                      |               |         |           |              |           |                  |         |
|                                                  | 234,854 91 |                 |             |                      |               |         |           |              |           |                  |         |

## EXPENDITURE, 1927-28—DETAILED STATEMENT OF SALARIES AND DISBURSEMENTS OF FISHERY OFFICERS.

| Provinces                      | Inspectors and Overseers |           | Allowances |          |          | Gasoline and Oil | Special Guardians |          | Sundry    | Total      |
|--------------------------------|--------------------------|-----------|------------|----------|----------|------------------|-------------------|----------|-----------|------------|
|                                | Salaries                 | Disb.     | Auto       | Boat     | Horse    |                  | Wages             | Expenses |           |            |
|                                | \$ cts.                  | \$ cts.   | \$ cts.    | \$ cts.  | \$ cts.  | \$ cts.          | \$ cts.           | \$ cts.  | \$ cts.   | \$ cts.    |
| <i>Nova Scotia—</i>            |                          |           |            |          |          |                  |                   |          |           |            |
| General Account.....           | 12,526 64                | 1,425 13  |            |          |          |                  |                   |          | 1,211 85  | 15,163 62  |
| Nova Scotia No. 1.....         | 15,240 00                | 2,746 43  | 3,200 00   | 750 00   |          | 115 33           | 13,148 83         | 45 67    | 143 84    | 35,390 10  |
| “ No. 2.....                   | 18,385 43                | 4,607 58  | 4,096 76   | 400 00   |          | 180 28           | 8,436 11          | 1,143 28 | 143 28    | 37,392 72  |
| “ No. 3.....                   | 19,455 00                | 4,577 62  | 4,000 00   |          | 300 00   |                  | 9,990 62          | 74 94    | 148 58    | 38,546 76  |
| Halifax School.....            |                          | 30 50     |            |          |          |                  |                   |          |           | 30 50      |
|                                | 65,607 07                | 13,387 26 | 11,296 76  | 1,150 00 | 300 00   | 295 61           | 31,575 56         | 1,263 89 | 1,647 55  | 126,523 70 |
| <i>Prince Edward Island—</i>   |                          |           |            |          |          |                  |                   |          |           |            |
| Prince Edward Island No. 1.... | 9,332 76                 | 2,102 47  | 1,200 00   |          |          |                  | 1,575 71          | 7 20     | 221 73    | 14,439 87  |
| “ “ No. 2....                  | 1,485 00                 | 521 95    |            | 112 50   |          | 63 25            | 273 00            |          | 81 90     | 2,537 00   |
|                                | 10,817 76                | 2,624 42  | 1,200 00   | 112 50   |          | 63 25            | 1,848 71          | 7 20     | 303 63    | 16,977 47  |
| <i>New Brunswick—</i>          |                          |           |            |          |          |                  |                   |          |           |            |
| New Brunswick No. 1.....       | 10,937 90                | 1,658 40  | 1,500 00   | 300 00   |          | 187 57           | 3,675 00          | 82 53    | 150 16    | 18,461 56  |
| “ No. 2.....                   | 16,561 13                | 3,181 19  | 2,606 68   | 922 38   |          | 888 10           | 15,224 85         | 680 97   | 761 05    | 40,829 35  |
| “ No. 3.....                   | 9,226 62                 | 1,549 33  | 700 00     | 168 75   | 75 00    | 150 52           | 12,877 13         |          | 78 89     | 24,826 24  |
|                                | 36,725 65                | 6,388 92  | 4,809 68   | 1,391 13 | 75 00    | 1,226 19         | 31,776 98         | 763 50   | 960 10    | 84,147 15  |
| <i>Quebec.....</i>             |                          | 53 25     |            |          |          |                  |                   |          | 91 59     | 144 84     |
| <i>Manitoba.....</i>           | 9,585 00                 | 4,212 02  |            | 525 00   | 875 00   | 422 77           | 2,800 15          | 2,633 55 | 81 87     | 21,135 36  |
| <i>Saskatchewan.....</i>       | 10,710 48                | 4,120 60  | 225 00     | 225 00   | 1,000 00 |                  | 1,098 75          | 2,137 10 | 76 79     | 19,563 72  |
| <i>Alberta.....</i>            | 10,987 50                | 4,690 48  | 225 00     | 300 00   | 450 00   | 311 81           | 2,359 00          | 1,993 42 | 758 55    | 22,075 76  |
| <i>British Columbia—</i>       |                          |           |            |          |          |                  |                   |          |           |            |
| General Account.....           | 19,836 32                | 2,083 98  |            |          |          |                  |                   |          | 4,424 43  | 26,344 73  |
| British Columbia No. 1.....    | 10,865 01                | 8,306 31  |            |          |          |                  | 12,087 42         | 7,734 87 | 911 52    | 39,808 13  |
| “ No. 2.....                   | 13,455 74                | 4,176 32  |            |          |          |                  | 8,506 40          | 757 67   | 3,895 66  | 30,791 88  |
| “ No. 3.....                   | 15,090 00                | 7,921 27  |            |          |          |                  | 3,757 20          | 785 15   | 533 71    | 28,087 33  |
|                                | 59,247 07                | 22,480 88 |            |          |          |                  | 24,351 11         | 9,277 69 | 9,765 32  | 125,132 07 |
| <i>General Account.....</i>    |                          |           |            |          |          |                  |                   |          | 12,790 26 | 12,790 26  |

# SUMMARY

| Provinces                 | Inspectors and Overseers |           | Allowances |          |          | Gasoline<br>and Oil | Special<br>Guardians |           | Sundry    | Total      |
|---------------------------|--------------------------|-----------|------------|----------|----------|---------------------|----------------------|-----------|-----------|------------|
|                           | Salaries                 | Disb.     | Auto       | Boat     | Horse    |                     | Wages                | Expenses  |           |            |
| Nova Scotia.....          | 65,607 07                | 13,387 26 | 11,296 76  | 1,150 00 | 300 00   | 295 61              | 31,575 56            | 1,263 89  | 1,647 55  | 126,523 70 |
| Prince Edward Island..... | 10,817 76                | 2,624 42  | 1,200 00   | 112 50   | .....    | 63 25               | 1,848 71             | 7 20      | 303 63    | 16,977 47  |
| New Brunswick.....        | 36,725 65                | 6,388 92  | 4,809 68   | 1,391 13 | 75 00    | 1,226 19            | 31,776 98            | 763 50    | 990 10    | 84,147 15  |
| Quebec.....               |                          | 53 25     | .....      | .....    | .....    | .....               | .....                | .....     | 91 59     | 144 84     |
| Manitoba.....             | 9,585 00                 | 4,212 02  | .....      | 525 00   | 875 00   | 422 77              | 2,800 15             | 2,633 55  | 81 87     | 21,135 36  |
| Saskatchewan.....         | 10,710 48                | 4,120 60  | 225 00     | 225 00   | 1,000 00 | .....               | 1,098 75             | 2,137 10  | 76 79     | 19,593 72  |
| Alberta.....              | 10,987 50                | 4,690 48  | 225 00     | 300 00   | 450 00   | 311 81              | 2,359 00             | 1,993 42  | 758 55    | 22,075 76  |
| British Columbia.....     | 59,247 07                | 22,490 88 | .....      | .....    | .....    | .....               | 24,351 11            | 9,277 69  | 9,765 32  | 125,132 07 |
| General Account.....      |                          |           | .....      | .....    | .....    | .....               | .....                | .....     | 12,790 26 | 12,790 26  |
|                           | 203,680 53               | 57,967 83 | 17,756 44  | 3,703 63 | 2,700 00 | 2,319 63            | 95,810 26            | 18,076 35 | 26,505 66 | 428,520 33 |

## EXPENDITURE 1927-28—DETAILED STATEMENT OF FISHERIES PATROL SERVICE

| Establishments<br>and<br>Accounts         | Paylist  | Board<br>or<br>Prov'n. | Fuel     | Repairs   |           | Supplies |         | Stewards | Clothing | Sundry    | —        | Total     |
|-------------------------------------------|----------|------------------------|----------|-----------|-----------|----------|---------|----------|----------|-----------|----------|-----------|
|                                           |          |                        |          | Hull      | Engine    | Engine   | Deck    |          |          |           |          |           |
|                                           | \$ cts.  | \$ cts.                | \$ cts.  | \$ cts.   | \$ cts.   | \$ cts.  | \$ cts. | \$ cts.  | \$ cts.  | \$ cts.   | \$ cts.  | \$ cts.   |
| <i>Nova Scotia—</i>                       |          |                        |          |           |           |          |         |          |          |           |          |           |
| General account.....                      |          |                        |          |           |           |          |         |          |          | 10 00     | 10 00    |           |
| "F.P. No. 1".....                         | 2,343 03 | 24 90                  | 363 02   | 198 81    | 232 96    | 120 89   | 127 09  | 54 23    | 8 82     | 27 73     | 3,501 48 |           |
| "McColl".....                             | 3,730 71 | 2 60                   | 602 20   | 250 48    | 73 49     | 480 99   | 85 95   | 169 94   | 29 61    | 168 54    | 5,594 51 |           |
| "Lula T" (chartered).....                 | 478 06   |                        | 68 03    |           |           | 87 13    |         |          |          | 1,431 61  | 2,064 83 |           |
|                                           | 6,551 80 | 27 50                  | 1,033 25 | 449 29    | 306 45    | 689 01   | 213 04  | 224 17   | 38 43    | 1,637 88  |          | 11,170 82 |
| <i>New Brunswick—</i>                     |          |                        |          |           |           |          |         |          |          |           |          |           |
| "Phalarope".....                          | 4,015 00 |                        | 911 53   | 61 59     | 421 64    | 236 24   | 26 41   | 26 59    | 8 82     | 30 96     | 5,738 78 |           |
| "Seal".....                               |          |                        |          |           |           |          |         |          |          | 560 00    | 560 00   |           |
| "Lloyd Geo. (chartered).....              | 645 00   |                        |          |           |           |          |         |          |          | 182 00    | 827 00   |           |
| "Pontiac" (chartered).....                | 432 00   | 123 99                 | 24 16    |           |           |          |         |          |          | 760 00    | 1,340 15 |           |
| "Shannon" (chartered).....                | 2,300 00 |                        | 413 45   |           |           |          |         |          |          | 364 47    | 3,077 92 |           |
|                                           | 7,392 00 | 123 99                 | 1,349 14 | 61 59     | 421 64    | 236 24   | 26 41   | 26 59    | 8 82     | 1,897 43  |          | 11,543 85 |
| <i>Prince Edward Island—</i>              |          |                        |          |           |           |          |         |          |          |           |          |           |
| "Richmond".....                           | 1,092 70 |                        | 169 81   |           | 12 00     | 126 28   |         | 7 00     |          | 60 54     | 1,468 33 |           |
| "Cock of North" (chartered).....          | 309 68   |                        |          |           |           |          |         |          |          | 125 00    | 434 68   |           |
| "Dora" (chartered).....                   | 600 00   |                        |          |           |           |          |         |          |          | 250 00    | 850 00   |           |
| "Gander" (chartered).....                 | 445 17   |                        |          |           |           |          |         |          |          | 275 00    | 720 17   |           |
| "Leona" (chartered).....                  | 464 52   |                        |          |           |           |          |         |          |          | 275 00    | 739 52   |           |
| "Lucy" (chartered).....                   | 900 00   |                        |          |           |           |          |         |          |          | 550 00    | 1,450 00 |           |
| "Mary" (chartered).....                   | 600 00   |                        |          |           |           |          |         |          |          | 250 00    | 850 00   |           |
| "Olive" (chartered).....                  | 709 68   |                        |          |           |           |          |         |          |          | 296 20    | 1,005 88 |           |
| "White Star" (chartered).....             | 296 78   |                        |          |           |           |          |         |          |          | 125 00    | 421 78   |           |
|                                           | 5,418 53 |                        | 169 81   |           | 12 00     | 126 28   |         | 7 00     |          | 2,206 74  |          | 7,940 36  |
| <i>Manitoba—</i>                          |          |                        |          |           |           |          |         |          |          |           |          |           |
| "Bradbury".....                           | 7,219 16 | 2,297 66               | 4,019 57 | Cr. 73 39 | Cr. 33 98 | 1,039 58 | 510 19  | 212 76   | 297 95   | 133 61    |          | 15,623 11 |
| <i>British Columbia—</i>                  |          |                        |          |           |           |          |         |          |          |           |          |           |
| General Account.....                      | 2,861 21 | 68 59                  | 55 88    | 9 45      | 311 95    | 104 17   | 9 00    |          | 7 22     | 39,040 79 |          | 42,468 26 |
| Poplar Island Whse.....                   | 1,140 00 |                        | 113 90   | 95 05     | 45 16     | 100 52   | 22 60   | 74 93    | 12 80    | 477 07    |          | 2,082 03  |
| <i>Departmental Boats District No. 1—</i> |          |                        |          |           |           |          |         |          |          |           |          |           |
| "Elkhorn".....                            | 3,420 00 |                        | 550 10   | 7 80      | 61 49     | 5 91     | 5 50    | 18 75    | 15 00    | 28 29     | 4,112 84 |           |
| "Foam Crest".....                         | 4,500 00 |                        | 340 65   | 16 63     | 204 85    | 10 97    | 41 22   | 46 00    | 13 47    | 40 07     | 5,213 86 |           |
| "Humming Bird".....                       |          |                        | 2 00     |           | 33 25     |          |         |          |          |           | 35 25    |           |
| "Merry Sea".....                          | 4,500 00 | 455 70                 | 136 50   | 22 32     | 132 67    | 203 86   | 21 21   | 63 48    | 11 06    | 221 66    | 5,769 06 |           |



|                         |          |          |          |        |        |        |        |        |        |          |           |           |
|-------------------------|----------|----------|----------|--------|--------|--------|--------|--------|--------|----------|-----------|-----------|
| "Salmo".....            |          |          | 3 15     |        | 0 50   |        | 10 50  |        |        |          | 14 15     |           |
| "Swan Tail".....        | 4,488 00 |          | 595 18   | 37 41  | 108 14 | 7 87   | 9 31   | 34 14  | 18 09  | 56 13    | 5,354 27  |           |
| "Vedder River".....     | 3,420 00 |          | 305 00   | 1 00   | 53 13  | 15 02  | 7 04   | 13 00  | 15 87  | 32 25    | 3,862 91  | 24,302 34 |
| <i>District No. 2—</i>  |          |          |          |        |        |        |        |        |        |          |           |           |
| "Babine No. 1".....     | 700 00   |          | 94 20    | 5 20   | 5 29   | 28 91  |        | 6 32   |        | 97 40    | 937 32    |           |
| "Babine No. 2".....     | 700 00   |          | 94 20    |        | 5 60   | 34 18  |        | 7 88   |        | 20 00    | 861 86    |           |
| "Beldis".....           |          |          | 39 00    |        |        | 20 00  |        |        |        | 204 42   | 263 42    |           |
| "Bonilla Rock".....     | 2,191 12 | 3 85     | 845 45   | 121 25 | 378 08 | 202 75 | 21 82  | 166 11 | 0 50   | 59 43    | 3,990 06  |           |
| "Cloyah".....           | 2,546 56 | 1 00     | 636 06   | 32 50  | 400 99 | 329 11 | 64 50  | 44 68  |        | 04 02    | 4,120 02  |           |
| "Cohoe Bay".....        |          |          |          |        | 7 77   |        |        |        |        |          | 7 77      |           |
| "Hawk Eye".....         | 1,291 94 |          | 203 97   | 24 75  | 279 35 | 92 54  | 14 85  | 73 90  |        | 20 70    | 2,002 00  |           |
| "Heron Wing".....       | 1,989 49 |          | 624 83   | 46 90  | 368 38 | 75 01  | 118 91 | 56 50  |        | 38 34    | 3,318 36  |           |
| "Linnett N.".....       | 1,193 55 |          | 282 12   | 19 70  | 290 00 | 101 16 | 23 30  | 55 88  | 9 11   | 4 67     | 1,985 49  |           |
| "Marfish".....          | 5,438 66 | 1,426 78 | 1,886 67 | 587 28 | 966 11 | 260 89 | 250 18 | 198 89 | 118 89 | 153 06   | 11,287 41 |           |
| "Merlin B".....         |          |          |          |        | 262 86 | 0 71   |        |        |        |          | 263 57    |           |
| "Metra".....            | 4,593 26 | 670 73   | 1,817 39 | 73 75  | 412 93 | 279 78 | 102 29 | 375 25 | 120 00 | 68 83    | 8,513 91  |           |
| "Nasago".....           |          |          | 39 00    |        |        | 14 00  |        |        |        | 204 43   | 257 43    |           |
| "Revidis".....          | 2,732 14 | 281 45   | 666 00   | 104 45 | 371 77 | 284 84 | 68 30  | 65 78  |        | 40 19    | 4,614 92  | 42,423 82 |
| <i>District No. 3—</i>  |          |          |          |        |        |        |        |        |        |          |           |           |
| "Black Raven".....      | 1,290 32 | 30 45    | 439 30   | 42 22  | 516 82 | 367 14 | 47 87  | 85 75  | 22 10  | 108 31   | 2,950 28  |           |
| "Egret Plume".....      | 1,375 00 |          | 297 40   | 223 81 | 344 92 | 65 02  | 15 16  | 89 47  |        | 202 38   | 2,613 16  |           |
| "Gull Wing".....        | 1,500 00 |          | 156 25   | 222 59 | 76 44  | 207 02 | 26 88  | 44 27  | 1 65   | 82 97    | 2,318 07  |           |
| "Pursepa".....          | 250 00   |          | 130 99   |        |        | 15 85  |        | 3 88   |        | 202 89   | 603 61    |           |
| "Vanidis".....          | 6,480 00 | 1,366 95 | 484 96   | 134 05 | 502 28 | 918 65 | 116 20 | 452 85 | 70 48  | 185 93   | 10,712 35 | 19,197 47 |
| <i>Chartered Boats—</i> |          |          |          |        |        |        |        |        |        |          |           |           |
| <i>District No. 1—</i>  |          |          |          |        |        |        |        |        |        |          |           |           |
| "Iron Bark".....        |          | 52 28    | 51 25    |        |        | 8 40   |        |        |        | 111 05   | 222 98    |           |
| "Jean No. 2".....       | 437 41   |          | 67 51    |        |        | 16 48  |        |        |        | 141 50   | 602 90    |           |
| "Mary".....             | 823 23   |          | 57 81    |        |        | 11 13  |        | 1 60   |        | 415 00   | 1,309 37  |           |
| "Minota".....           | 360 00   |          | 79 69    |        |        | 15 09  |        |        |        | 93 00    | 547 78    |           |
| "W.C.T.".....           | 1,100 00 |          | 44 43    |        |        | 6 48   | 6 57   |        |        | 374 90   | 1,532 38  | 4,275 41  |
| <i>District No. 2—</i>  |          |          |          |        |        |        |        |        |        |          |           |           |
| "Amy S".....            | 787 50   |          | 314 62   |        |        | 76 15  |        | 4 64   |        | 927 00   | 2,109 91  |           |
| "Argo".....             | 346 19   |          | 56 96    |        |        | 13 28  |        |        |        | 429 00   | 845 43    |           |
| "Bee".....              | 387 17   |          | 34 04    |        |        |        |        |        |        | 412 00   | 833 21    |           |
| "Dallas Ford".....      | 414 29   |          | 161 24   |        |        | 16 96  |        | 3 20   |        | 549 10   | 1,144 79  |           |
| "Double A".....         | 1,023 39 |          | 234 34   |        |        | 17 55  |        | 1 52   |        | 973 00   | 2,240 80  |           |
| "Ecfoha".....           | 460 00   |          | 172 79   |        |        | 37 68  |        | 1 96   |        | 732 00   | 1,404 43  |           |
| "Elida".....            | 1,001 62 |          | 244 65   |        |        | 55 71  |        |        |        | 1,088 00 | 2,389 98  |           |
| "Fisher".....           | 751 00   |          | 110 51   |        |        | 30 53  |        | 5 97   |        | 648 00   | 1,555 01  |           |
| "Flying Spur".....      | 877 10   |          | 293 73   |        |        | 83 82  |        | 3 04   |        | 1,152 60 | 2,410 29  |           |
| "Full Moon".....        | 928 46   | 1 50     | 428 44   |        |        | 23 13  |        |        |        | 1,305 00 | 2,686 53  |           |
| "Grizzly".....          |          |          | 9 12     |        |        |        |        |        |        |          | 9 12      |           |
| "Irene R".....          | 791 67   |          | 85 24    |        |        | 11 58  |        |        |        | 660 00   | 1,548 49  |           |
| "Ironsides".....        |          |          |          |        |        |        |        |        |        | 0 75     | 0 75      |           |
| "Kiki".....             | 939 92   |          | 148 42   |        |        | 29 16  |        | 3 04   |        | 1,280 00 | 2,400 54  |           |

EXPENDITURE 1927-28—DETAILED STATEMENT OF FISHERIES PATROL SERVICE—*Concluded*

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MARINE AND FISHERIES

| Establishments<br>and<br>Accounts | Paylist  | Board<br>or<br>Prov'n. | Fuel    | Repairs |         | Supplies |         |          | Clothing | Sundry   | —        | Total     |
|-----------------------------------|----------|------------------------|---------|---------|---------|----------|---------|----------|----------|----------|----------|-----------|
|                                   |          |                        |         | Hull    | Engine  | Engine   | Deck    | Stewards |          |          |          |           |
|                                   | \$ cts.  | \$ cts.                | \$ cts. | \$ cts. | \$ cts. | \$ cts.  | \$ cts. | \$ cts.  | \$ cts.  | \$ cts.  | \$ cts.  | \$ cts.   |
| "Kitsault"                        | 765 76   |                        | 265 62  |         |         | 74 51    |         | 1 60     |          | 1,000 00 | 2,107 49 |           |
| "Leila"                           | 495 97   |                        | 174 13  |         |         | 50 37    |         | 1 52     |          | 612 00   | 1,333 99 |           |
| "Melrose"                         | 638 71   |                        | 67 97   |         |         | 26 20    |         | 3 04     |          | 523 50   | 1,259 42 |           |
| "Moose"                           | 765 00   |                        | 257 01  |         |         | 70 13    |         | 3 58     |          | 824 00   | 1,919 72 |           |
| "Mylawny"                         | 420 24   |                        | 109 02  |         |         | 39 44    |         | 1 52     |          | 600 00   | 1,170 22 |           |
| "Nereis"                          |          |                        |         |         |         |          |         |          |          | 350 00   | 350 00   |           |
| "Oh Boy"                          | 787 50   |                        | 256 86  |         |         | 79 45    |         | 5 04     |          | 1,070 00 | 2,198 85 |           |
| "Omar K"                          | 667 74   |                        | 76 34   |         |         | 33 00    |         | 3 04     |          | 549 00   | 1,320 12 |           |
| "Oswego"                          | 918 88   |                        | 87 72   |         |         | 16 46    |         | 2 46     |          | 1,000 00 | 2,025 52 |           |
| "Oyashimo"                        | 1,132 26 |                        | 161 80  |         |         | 10 81    |         | 3 78     |          | 1,078 00 | 2,392 65 |           |
| "Rose"                            | 11 50    |                        |         |         |         |          |         |          |          | 162 00   | 173 50   |           |
| "See Bec"                         | 1,110 00 |                        | 553 45  |         |         | 68 03    |         | 5 76     |          | 1,208 00 | 2,945 24 |           |
| "Sea Foam"                        | 910 64   |                        | 222 00  |         |         | 22 75    |         | 3 12     |          | 992 00   | 2,150 51 |           |
| "Seminole"                        | 780 00   |                        | 170 53  |         |         | 36 21    |         | 9 12     |          | 954 00   | 1,949 86 |           |
| "Sun Beam No. 2"                  | 1,157 98 |                        | 409 59  |         | 145 75  | 70 04    |         | 5 76     |          | 1,581 05 | 3,370 17 |           |
| "Velma"                           | 667 74   |                        | 116 66  |         |         | 15 57    |         | 3 04     |          | 549 00   | 1,352 01 |           |
| "Venture"                         | 997 50   |                        | 230 94  |         |         | 84 14    |         | 1 52     |          | 1,224 00 | 2,538 10 |           |
| "Wabash"                          | 861 05   |                        | 553 07  |         |         | 38 35    |         |          |          | 1,160 00 | 2,612 47 |           |
|                                   |          |                        |         |         |         |          |         |          |          |          |          | 54,767 12 |
| <i>District No. 3—</i>            |          |                        |         |         |         |          |         |          |          |          |          |           |
| "Albo"                            | 546 67   |                        | 81 00   |         |         | 22 00    |         | 6 00     |          | 167 00   | 822 67   |           |
| "Ban Box"                         | 496 67   |                        | 89 70   |         |         | 29 00    |         |          |          | 153 00   | 768 37   |           |
| "Betty N"                         | 493 33   |                        | 69 35   |         |         | 5 15     |         |          |          | 152 00   | 719 83   |           |
| "C. H."                           | 153 33   |                        | 25 30   |         |         | 5 62     |         |          |          | 48 00    | 232 25   |           |
| "Chartes"                         | 146 67   |                        | 29 04   |         |         | 1 85     |         | 0 24     |          | 45 00    | 222 80   |           |
| "Colby"                           | 1,104 85 |                        | 226 04  |         |         | 64 48    |         | 3 04     |          | 1,025 95 | 2,424 36 |           |
| "Crab"                            | 153 33   |                        | 12 65   |         |         | 3 12     |         |          |          | 47 50    | 216 60   |           |
| "Curlew"                          | 264 52   |                        | 88 47   |         |         | 21 41    |         |          |          | 80 00    | 454 40   |           |
| "Daisy"                           | 496 67   |                        | 91 70   |         |         | 31 90    |         |          |          | 186 00   | 806 27   |           |
| "Dana"                            | 108 17   |                        | 30 59   |         |         | 12 43    |         | 1 52     |          | 32 00    | 184 71   |           |
| "Deep Sea"                        | 340 32   |                        | 41 96   |         |         | 17 25    |         |          |          | 104 00   | 503 53   |           |
| "Dorothy N"                       | 1,200 00 |                        | 75 91   |         |         | 29 72    |         |          |          | 588 11   | 1,893 74 |           |
| "Dot"                             | 1,200 00 |                        | 257 45  |         | 1 60    | 62 50    | 3 06    |          |          | 316 50   | 1,841 11 |           |
| "Dunno"                           | 433 87   |                        | 82 45   |         |         | 6 50     |         |          |          | 184 40   | 707 22   |           |
| "Elsie"                           | 267 85   |                        | 13 60   |         |         | 2 85     |         | 3 20     |          | 82 00    | 366 30   |           |
| "Esperanza"                       | 1,146 16 |                        | 428 04  |         |         | 70 33    |         |          |          | 553 50   | 2,209 23 |           |
| "Esther K"                        | 806 45   |                        | 552 22  |         |         | 45 90    |         | 11 77    | 5 25     | 1,962 94 | 3,384 53 |           |
| "Ethel"                           |          |                        | 118 80  |         |         | 19 20    |         |          |          | 182 90   | 320 90   |           |

## District No. 3—Cont.—

|                 |           |           |          |          |          |          |          |        |           |            |
|-----------------|-----------|-----------|----------|----------|----------|----------|----------|--------|-----------|------------|
| "Fisher"        | 264 52    | 33 50     |          |          | 6 95     |          | 0 70     |        | 81 00     | 386 67     |
| "Georgia M"     |           |           |          |          |          |          |          |        | 75 00     | 75 00      |
| "Gipsy"         | 156 67    | 8 97      |          |          | 8 49     |          |          |        | 48 50     | 222 63     |
| "Haslam"        | 283 87    | 29 27     |          |          | 13 95    |          |          |        | 175 00    | 502 09     |
| "Iona"          | 230 00    | 62 65     |          |          | 16 59    |          |          |        | 68 00     | 377 24     |
| "Johnson"       | 103 77    | 16 00     |          |          | 1 87     |          |          |        | 27 00     | 148 62     |
| "Jones"         | 232 80    | 29 90     |          |          | 1 75     |          |          |        | 71 00     | 335 45     |
| "Klinekwa"      |           |           |          |          |          |          |          |        | 45 00     | 45 00      |
| "Lena"          | 153 33    | 13 80     |          |          | 6 24     |          |          |        | 48 50     | 221 87     |
| "Limit"         | 124 62    | 9 89      |          |          | 2 08     |          | 0 46     |        | 38 60     | 175 65     |
| "Lively"        | 106 56    | 26 61     |          |          | 2 86     |          |          |        | 35 00     | 171 03     |
| "Marfish"       | 766 67    | 108 00    |          |          | 8 40     |          |          | 5 07   | 246 77    | 1,134 89   |
| "Maud L"        | 196 67    | 27 98     |          |          | 5 11     |          |          |        | 60 27     | 290 01     |
| "M. E. Smith"   | 1,231 20  | 199 50    |          |          | 17 75    |          |          |        | 815 50    | 2,464 04   |
| "Northwind"     | 203 33    | 13 40     |          |          | 5 80     |          |          |        | 62 00     | 284 53     |
| "Olive"         | 523 34    | 54 85     |          |          | 7 47     |          |          |        | 162 00    | 747 66     |
| "Pilling"       | 383 87    | 59 20     |          |          | 1 00     |          |          |        | 118 00    | 562 07     |
| "Pontiac"       | 1,200 00  | 128 25    |          |          | 19 50    |          |          |        | 371 00    | 1,718 75   |
| "Reliance"      | 1,580 81  | 55 13     |          |          | 32 52    |          | 4 61     |        | 1,526 00  | 3,199 07   |
| "Rene"          | 200 00    | 17 91     |          |          |          |          |          |        | 62 00     | 279 91     |
| "Repentance"    | 301 61    | 170 00    |          |          | 6 50     |          |          |        | 91 00     | 569 11     |
| "Roberts"       | 101 07    | 9 89      |          |          | 3 81     |          | 0 46     |        | 31 00     | 146 23     |
| "Roona"         | 9 68      |           |          |          |          |          |          |        | 36 00     | 45 68      |
| "Sara S."       | 277 42    | 49 45     |          |          | 11 10    |          | 6 00     |        | 87 00     | 430 97     |
| "Sayward No. 1" | 440 00    | 145 20    |          |          | 28 35    |          |          |        | 137 00    | 750 55     |
| "S. & E"        | 361 83    | 9 75      |          |          | 5 00     |          |          |        | 169 80    | 576 38     |
| "Sea Dog"       | 1,000 00  | 18 40     |          |          |          |          |          |        | 276 00    | 1,294 40   |
| "Sisters"       | 200 00    | 19 32     |          |          | 4 68     |          | 3 04     |        | 62 00     | 289 04     |
| "S.O.S."        | 101 51    | 5 52      |          |          | 6 10     |          |          |        | 30 00     | 143 13     |
| "Speedwell"     | 506 67    | 43 24     |          |          | 7 35     |          |          |        | 156 60    | 713 26     |
| "Stubbs"        | 453 33    | 63 00     |          |          | 17 25    |          |          |        | 154 00    | 727 58     |
| "Susie M"       | 229 63    | 104 00    |          |          | 11 60    |          |          |        | 98 00     | 542 63     |
| "Tango"         | 277 42    | 47 84     |          |          | 14 20    |          |          |        | 86 00     | 425 46     |
| "Three Flowers" | 156 67    | 42 55     |          |          | 11 47    |          |          |        | 48 50     | 259 19     |
| "T.M.G."        | 658 06    | 52 33     |          |          | 4 30     |          |          |        | 204 50    | 919 19     |
| "Wonder No. 2"  | 156 67    | 42 55     |          |          | 15 53    |          |          |        | 48 50     | 263 25     |
| "Wonder No. 3"  |           | 9 20      |          |          | 1 76     |          |          |        |           | 10 96      |
|                 | 105,789 6 | 21,197 97 | 1,829 71 | 6,292 46 | 5,707 98 | 1,006 87 | 2,097 62 | 447 16 | 80,175 78 | 228,904 46 |

## SUMMARY

|                           |            |          |           |           |           |          |          |          |        |           |       |            |
|---------------------------|------------|----------|-----------|-----------|-----------|----------|----------|----------|--------|-----------|-------|------------|
| Nova Scotia.....          | 6,551 80   | 27 50    | 1,033 25  | 449 29    | 306 45    | 689 01   | 213 04   | 224 17   | 38 43  | 1,637 88  | ..... | 11,170 82  |
| New Brunswick.....        | 7,390 00   | 123 99   | 1,349 14  | 61 59     | 421 64    | 236 24   | 26 41    | 26 59    | 8 82   | 1,897 43  | ..... | 11,543 85  |
| Prince Edward Island..... | 5,418 53   |          | 169 81    |           | 12 00     | 126 28   |          | 7 00     |        | 2,206 74  | ..... | 7,940 36   |
| Manitoba.....             | 7,219 16   | 2,297 66 | 4,019 57  | Cr. 73 39 | Cr. 35 98 | 1,039 58 | 510 19   | 212 76   | 297 95 | 133 61    | ..... | 15,623 11  |
| British Columbia.....     | 105,789 62 | 4,359 28 | 21,197 97 | 1,829 71  | 6,292 46  | 5,707 99 | 1,006 87 | 2,097 62 | 447 16 | 80,175 78 | ..... | 228,904 46 |
|                           | 132,369 11 | 6,808 43 | 27,769 74 | 2,267 20  | 6,998 57  | 7,799 10 | 1,756 51 | 2,568 14 | 792 36 | 86,051 44 | ..... | 275,182 60 |

## EXPENDITURE 1927-28—DETAILED STATEMENT OF FISHERIES PROTECTION SERVICE

|                      |           |           |           |          |          |          |          |          |          |          |       |            |
|----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|-------|------------|
| General Account..... |           |           |           |          |          |          |          |          |          | 44 11    | ..... | 44 11      |
| East Coast—          |           |           |           |          |          |          |          |          |          |          |       |            |
| Arleux.....          | 24,159 52 | 4,560 55  | 5,475 88  | 2,074 38 | 1,482 25 | 621 85   | 1,384 07 | 630 28   | 1,302 29 | 1,044 40 | ..... | 42,735 49  |
| Arras.....           | 25,473 20 | 5,141 64  | 10,706 93 | 1,768 55 | 2,192 88 | 987 64   | 2,080 30 | 493 82   | 1,502 50 | 1,233 51 | ..... | 51,580 97  |
|                      | 49,632 73 | 9,702 19  | 16,182 81 | 3,842 93 | 3,675 13 | 1,609 49 | 3,464 37 | 1,124 11 | 2,804 79 | 2,277 91 | ..... | 94,316 46  |
| West Coast—          |           |           |           |          |          |          |          |          |          |          |       |            |
| General Account..... |           |           |           |          |          |          |          |          |          | 11 50    | ..... | 11 50      |
| Givenchy.....        | 22,044 10 | 5,306 30  | 7,226 95  | 487 91   | 3,741 44 | 756 77   | 308 16   | 715 60   | 1,448 61 | 629 59   | ..... | 42,665 43  |
| Malaspina.....       | 29,983 92 | 6,491 09  | 12,124 87 | 2,938 83 | 1,636 66 | 992 90   | 1,708 78 | 1,420 66 | 1,495 06 | 782 01   | ..... | 59,575 68  |
|                      | 52,028 02 | 11,797 39 | 19,351 82 | 3,426 74 | 5,378 10 | 1,749 67 | 2,016 94 | 2,136 26 | 2,944 57 | 1,423 10 | ..... | 102,252 61 |

## SUMMARY

|                      |            |           |           |          |          |          |          |          |          |          |       |            |
|----------------------|------------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|-------|------------|
| General Account..... |            |           |           |          |          |          |          |          |          | 44 11    | ..... | 44 11      |
| East Coast.....      | 49,632 73  | 9,702 19  | 16,182 81 | 3,842 93 | 3,675 13 | 1,609 49 | 3,464 37 | 1,124 11 | 2,804 79 | 2,277 91 | ..... | 94,316 46  |
| West Coast.....      | 52,028 02  | 11,797 39 | 19,351 82 | 3,426 74 | 5,378 10 | 1,749 67 | 2,016 94 | 2,136 26 | 2,944 57 | 1,423 10 | ..... | 102,252 61 |
|                      | 101,660 75 | 21,499 58 | 35,534 63 | 7,269 67 | 9,053 23 | 3,359 16 | 5,481 31 | 3,260 37 | 5,749 36 | 3,745 12 | ..... | 196,613 18 |

## FINANCIAL STATEMENT, 1927-28

## EXPENDITURE, 1927-28—DETAILED STATEMENT OF FISH CULTURE

| Hatcheries                        | Salaries  | Maintenance | Total of Hatchery | Total of Provinces |
|-----------------------------------|-----------|-------------|-------------------|--------------------|
|                                   | \$ cts.   | \$ cts.     | \$ cts.           | \$ cts.            |
| <i>Nova Scotia</i> .....          |           |             |                   | 28,148 93          |
| Halifax School.....               |           | 944 10      | 944 10            |                    |
| Antigonish.....                   |           | 25 60       | 25 60             |                    |
| Bedford.....                      | 2,390 45  | 4,323 54    | 6,713 99          |                    |
| Lindloff.....                     |           | 991 47      | 991 47            |                    |
| Margaree.....                     | 4,271 61  | 4,982 24    | 9,253 85          |                    |
| Margaree Pond.....                | 192 00    | 1,454 18    | 1,646 18          |                    |
| Middleton.....                    | 1,440 00  | 5,141 21    | 6,581 21          |                    |
| Windsor.....                      | 1,500 00  | 92 53       | 1,592 53          |                    |
| Yarmouth.....                     |           | 400 00      | 400 00            |                    |
| <i>Prince Edward Island</i> ..... |           |             |                   | 5,085 20           |
| Kellys Pond Hatchery.....         | 2,820 00  | 2,265 20    | 5,085 20          |                    |
| <i>New Brunswick</i> .....        |           |             |                   | 102,131 24         |
| Florenceville.....                |           | 32,703 52   | 32,703 52         |                    |
| Grand Falls.....                  | 2,996 00  | 2,809 95    | 5,805 95          |                    |
| Miramichi.....                    | 3,120 00  | 3,519 92    | 6,639 92          |                    |
| Miramichi Pond.....               | 90 58     | 2,604 16    | 2,694 74          |                    |
| Nepisiquit.....                   | 547 23    | 871 09      | 1,418 32          |                    |
| New Mills Pond.....               | 852 68    | 2,918 73    | 3,771 41          |                    |
| Restigouche.....                  | 2,313 42  | 4,500 70    | 6,814 12          |                    |
| Sparkle.....                      | 523 51    | 133 55      | 657 06            |                    |
| St. John Hatchery.....            | 2,820 00  | 28,579 23   | 31,399 23         |                    |
| St. John Pond.....                |           | 9,933 36    | 9,933 36          |                    |
| Tobique.....                      |           | 293 61      | 293 61            |                    |
| <i>Ontario</i> .....              |           |             |                   | 25 38              |
| Collingwood.....                  |           | 25 38       | 25 38             |                    |
| <i>Manitoba</i> .....             |           |             |                   | 22,954 22          |
| Dauphin River.....                |           | 1,689 01    | 1,689 01          |                    |
| Dauphin River Spawn Camp.....     |           | 1,919 12    | 1,919 12          |                    |
| Gull Harbour.....                 | 1,680 00  | 5,555 54    | 7,235 54          |                    |
| Winnipegosis.....                 | 1,890 00  | 10,220 55   | 12,110 55         |                    |
| <i>Saskatchewan</i> .....         |           |             |                   | 7,792 50           |
| Qu'Appelle.....                   | 2,940 00  | 4,852 50    | 7,792 50          |                    |
| <i>Alberta</i> .....              |           |             |                   | 44,109 92          |
| General Account.....              |           | 14 00       | 14 00             |                    |
| Banff.....                        | 3,120 00  | 3,748 70    | 6,868 70          |                    |
| Cold Lake.....                    |           | 1,225 84    | 1,225 84          |                    |
| Jasper Park.....                  |           | 1,115 68    | 1,115 68          |                    |
| Lesser Slave Lake.....            | 241 50    | 24,619 09   | 24,860 59         |                    |
| Spray Lakes.....                  |           | 1,459 58    | 1,459 58          |                    |
| Waterton Park Hatchery.....       |           | 8,565 53    | 8,565 53          |                    |
| <i>British Columbia</i> .....     |           |             |                   | 112,532 65         |
| General.....                      | 7,860 00  | 3,229 78    | 11,089 78         |                    |
| Anderson.....                     | 2,053 64  | 4,797 64    | 6,856 28          |                    |
| Babine.....                       | 2,164 86  | 5,017 75    | 7,182 61          |                    |
| Cowichan.....                     | 3,537 50  | 3,584 55    | 7,122 05          |                    |
| Cranbrook Eyeing Station.....     | 468 21    | 717 55      | 1,185 76          |                    |
| Cultus.....                       | 1,039 98  | 3,779 07    | 4,819 05          |                    |
| Gerrard.....                      | 510 97    | 1,207 41    | 1,718 38          |                    |
| Harrison.....                     | 227 75    | 832 12      | 1,059 87          |                    |
| Kennedy.....                      | 2,230 15  | 4,760 66    | 6,990 81          |                    |
| Lloyd's Creek Eyeing Station..... | 815 64    | 1,120 52    | 1,936 16          |                    |
| Nelson Eyeing Station.....        | 1,924 61  | 4,652 71    | 6,577 32          |                    |
| Pemberton.....                    | 5,017 25  | 7,968 70    | 12,985 95         |                    |
| Pitt.....                         | 1,200 00  | 4,797 05    | 5,997 05          |                    |
| Rivers Inlet.....                 | 2,731 70  | 9,985 52    | 12,717 22         |                    |
| Skeena.....                       | 3,479 36  | 12,150 22   | 15,629 58         |                    |
| Stuart.....                       | 1,454 19  | 5,064 31    | 6,518 50          |                    |
| Summerland.....                   | 185 81    | 1,960 47    | 2,146 28          |                    |
| <i>General Account</i> .....      | 5,940 00  | 20,421 59   | 26,361 59         |                    |
|                                   | 78,595 60 | 270,546 03  | .....             | 349,141 63         |

## SUMMARY

| Hatcheries                | Salaries  | Maintenance | Total of Hatchery | Total of Provinces |
|---------------------------|-----------|-------------|-------------------|--------------------|
| Nova Scotia.....          | 9,794 06  | 18,354 87   | 28,148 93         |                    |
| Prince Edward Island..... | 2,820 00  | 2,265 20    | 5,085 20          |                    |
| New Brunswick.....        | 13,263 42 | 88,867 82   | 102,131 24        |                    |
| Ontario.....              |           | 25 38       | 25 38             |                    |
| Manitoba.....             | 3,570 00  | 19,384 22   | 22,954 22         |                    |
| Saskatchewan.....         | 2,940 00  | 4,852 50    | 7,792 50          |                    |
| Alberta.....              | 3,361 50  | 40,748 42   | 44,109 92         |                    |
| British Columbia.....     | 36,906 62 | 75,626 03   | 112,532 65        |                    |
| General Account.....      | 5,940 00  | 20,421 59   | 26,361 59         |                    |
|                           | 78,595 60 | 270,546 03  | .....             | 349,141 63         |

## EXPENDITURE, 1927-28—DETAILED STATEMENT OF CONSERVATION AND DEVELOPMENT OF DEEP SEA FISHERIES

*Under Department—*

|                             |               |
|-----------------------------|---------------|
| General Account.....        | \$ 4,676 36   |
| Destruction hair seals..... | 22,088 87     |
| Scallop investigation.....  | 122 06        |
| Transportation of fish..... | 18,685 79     |
| Royal Commission.....       | 66,901 70     |
| Salmon investigation.....   | 415 49        |
| Marine Laboratory.....      | 3,896 32      |
|                             | \$ 116,786 59 |

*Under Biological Board—*

|                             |               |
|-----------------------------|---------------|
| Demonstration building..... | \$ 11,334 41  |
| Herring investigation.....  | 628 03        |
| Lobsters.....               | 958 41        |
| Fraser River currents.....  | 171 47        |
|                             | 13,092 32     |
|                             | \$ 129,878 91 |

## FISHERIES EXPENDITURE, 1927-28—SUMMARY BY PROVINCES

| Appropriation                                       | General    | Nova Scotia | Prince Edward Island | New Brunswick | Quebec    | Ontario | Manitoba  | Saskatchewan | Alberta   | British Columbia | Total        |
|-----------------------------------------------------|------------|-------------|----------------------|---------------|-----------|---------|-----------|--------------|-----------|------------------|--------------|
|                                                     | \$ cts.    | \$ cts.     | \$ cts.              | \$ cts.       | \$ cts.   | \$ cts. | \$ cts.   | \$ cts.      | \$ cts.   | \$ cts.          | \$ cts.      |
| Salaries and disbursements, fishery officers.....   | 12,790 26  | 126,523 70  | 16,977 47            | 84,147 15     | 144 84    |         | 21,135 36 | 19,593 72    | 22,075 76 | 125,132 07       | 428,520 33   |
| Fisheries Patrol Service.....                       |            | 11,170 82   | 7,940 36             | 11,543 85     |           |         | 15,623 11 |              |           | 228,904 46       | 275,182 60   |
| Fisheries Protection Service.....                   | 10,588 74  | 83,493 74   | 279 09               |               |           |         |           |              |           | 102,252 61       | 196,613 18   |
| Fish culture.....                                   | 26,361 59  | 28,148 93   | 5,085 20             | 102,131 24    |           | 25 38   | 22,954 22 | 7,792 50     | 44,109 92 | 112,532 65       | 349,141 63   |
| Building fishways, etc.....                         | 3 42       | 2,105 57    |                      | 3 60          |           |         |           | 0 21         |           | 12,206 26        | 14,319 06    |
| Conservation and development of D.S.F.              | 71,578 06  | 45,243 94   | 696 15               | 2,596 79      |           |         |           |              |           | 9,763 97         | 129,878 91   |
| Fisheries Intelligence Bureau.....                  | 301 05     | 48 00       | 92 52                | 120 00        |           |         |           |              |           |                  | 561 57       |
| Inspection of pickled fish.....                     | 51 55      | 17,914 62   | 1,215 72             | 2,028 01      | 194 93    |         |           |              |           | 3,490 02         | 24,894 85    |
| International Halibut Commission.....               | 31,652 54  |             |                      |               |           |         |           |              |           |                  | 31,652 54    |
| Legal and incidental expenses.....                  |            | 261 80      |                      | 842 79        |           |         | 244 60    |              | 360 00    | 2,296 98         | 4,006 17     |
| Compassionate allowance to widow of F. Askew.....   |            | 2,000 00    |                      |               |           |         |           |              |           |                  | 2,000 00     |
| Marine Biological Board.....                        | 138,000 00 |             |                      |               |           |         |           |              |           |                  | 138,000 00   |
| Fishing Bounty.....                                 |            | 82,107 00   | 12,095 45            | 19,906 80     | 44,266 55 |         |           |              |           |                  | 158,375 80   |
| Totals.....                                         | 291,327 21 | 399,018 12  | 44,380 96            | 223,320 23    | 44,606 32 | 25 38   | 59,957 29 | 27,386 43    | 66,545 68 | 596,579 02       | 1,753,146 64 |
| Civil Government salaries.....                      |            |             |                      |               |           |         |           |              |           |                  | 93,617 81    |
| Contingencies.....                                  |            |             |                      |               |           |         |           |              |           |                  | 27,795 77    |
|                                                     |            |             |                      |               |           |         |           |              |           |                  | 1,874,560 22 |
| Increases to Civil Service, inside and outside..... |            |             |                      |               |           |         |           |              |           |                  | 19,449 92    |
| Gratuities.....                                     |            |             |                      |               |           |         |           |              |           |                  | 350 00       |
| Superannuation Act No. 5.....                       |            |             |                      |               |           |         |           |              |           |                  | 1 82         |
|                                                     |            |             |                      |               |           |         |           |              |           |                  | 1,894,361 96 |

## APPENDIX No. 6

LIST OF UNITED STATES FISHING VESSELS WHICH ENTERED  
CANADIAN PORTS ON THE PACIFIC COAST DURING THE  
YEAR ENDED DECEMBER 31, 1927

| Name of Vessel     | Tonnage | Number of men in crew | Number of times entered | Reasons for entry                                    | Quantity of fish landed |
|--------------------|---------|-----------------------|-------------------------|------------------------------------------------------|-------------------------|
|                    |         |                       |                         |                                                      | cwts.                   |
| A.L. 573.....      | 5       | 1                     | 1                       | Shelter.....                                         |                         |
| Akutan.....        | 46      | 9                     | 9                       | Sell fish.....                                       | 3,260                   |
| Alaska.....        | 18      | 5                     | 1                       | Bait and ice.....                                    |                         |
| Alaska.....        | 57      | 10                    | 5                       | Sell fish.....                                       | 1,400                   |
| Albatross.....     | 40      | 13                    | 11                      | Bait, sell fish and ice.....                         | 1,640                   |
| Active.....        | 8       | 3                     | 1                       | Sell fish.....                                       |                         |
| Acton.....         | 7       | 2                     | 1                       | ".....                                               | 400                     |
| Addington.....     | 26      | 6                     | 6                       | "....., bait and ice.....                            | 1,000                   |
| Agnes.....         | 17      | 5                     | 1                       | Bait and ice.....                                    |                         |
| Agnes R.....       | 6       | 2                     | 1                       | Shelter.....                                         |                         |
| Alf. E.....        | 9       | 4                     | 1                       | Supplies.....                                        |                         |
| Alice B.....       | 17      | 5                     | 2                       | Bait and ice.....                                    |                         |
| Alitak.....        | 14      | 5                     | 7                       | Engine trouble, bait and ice.....                    |                         |
| Alken.....         | 7       | 3                     | 1                       | Sell fish.....                                       | 60                      |
| Alki.....          | 7       | 3                     | 10                      | ".....                                               | 680                     |
| Aloha.....         | 19      | 6                     | 12                      | "....., bait and ice, supplies.....                  |                         |
| Alten.....         | 43      | 10                    | 7                       | ".....                                               | 2,620                   |
| Altik.....         | 37      | 10                    | 1                       | ".....                                               | 440                     |
| America.....       | 25      | 11                    | 10                      | Bait and ice.....                                    |                         |
| Angeles.....       | 28      | 6                     | 7                       | ".....                                               |                         |
| Anna B.....        | 5       | 1                     | 1                       | Shelter.....                                         |                         |
| Anna J.....        | 22      | 6                     | 11                      | Sell fish.....                                       | 1,640                   |
| Antler.....        | 22      | 5                     | 9                       | Land sick man, orders, bait and ice.....             |                         |
| Arcade.....        | 14      | 4                     | 9                       | Bait and ice.....                                    |                         |
| Arctic.....        | 29      | 7                     | 5                       | Sell fish.....                                       | 1,460                   |
| Areil.....         | 7       | 2                     | 1                       | Shelter.....                                         |                         |
| Argo.....          | 26      | 6                     | 9                       | Sell fish, bait and ice, supplies.....               | 180                     |
| Arrow.....         | 40      | 9                     | 8                       | ".....                                               | 1,940                   |
| Atlantic.....      | 24      | 9                     | 10                      | "....., orders.....                                  | 3,160                   |
| Atlas.....         | 31      | 7                     | 9                       | ".....                                               | 2,840                   |
| Attu.....          | 37      | 11                    | 3                       | ".....                                               | 540                     |
| Augusta.....       | 19      | 5                     | 3                       | ".....                                               | 360                     |
| Aurora.....        | 16      | 5                     | 2                       | Bait and ice.....                                    |                         |
| Bainbridge II..... | 3       | 2                     | 1                       | Shelter.....                                         |                         |
| Baltic.....        | 20      | 5                     | 3                       | Sell fish.....                                       | 420                     |
| Beaver.....        | 17      | 5                     | 4                       | Bait and ice.....                                    |                         |
| Beaver.....        | 5       | 2                     | 1                       | Shelter.....                                         |                         |
| Bell M. 894.....   | 4       | 1                     | 1                       | ".....                                               |                         |
| Bertha.....        | 11      | 4                     | 3                       | Bait and ice, shelter.....                           |                         |
| Bertha.....        | 4       | 2                     | 1                       | Towing Canadian boat in distress.....                |                         |
| Betty.....         | 15      | 5                     | 4                       | Sell fish, fuel.....                                 | 220                     |
| Betty Jane.....    | 34      | 6                     | 6                       | Bait and ice, fuel.....                              |                         |
| Bill.....          | 4       | 3                     | 3                       | Shelter.....                                         |                         |
| Birdie B.....      | 4       | 3                     | 2                       | Supplies.....                                        |                         |
| Blanco.....        | 25      | 6                     | 3                       | Sell fish, fuel.....                                 | 260                     |
| Blanco.....        | 12      | 3                     | 6                       | Bait and ice.....                                    |                         |
| Bonanza.....       | 30      | 6                     | 7                       | Sell fish.....                                       | 1,880                   |
| Boonvoll II.....   | 27      | 6                     | 5                       | Bait and ice.....                                    |                         |
| Bravo.....         | 14      | 3                     | 3                       | Sell fish.....                                       | 360                     |
| Brisk.....         | 37      | 9                     | 8                       | Bait and ice, sell fish.....                         | 1,680                   |
| Brothers.....      | 13      | 5                     | 5                       | Sell fish.....                                       | 620                     |
| Brunvall.....      | 28      | 4                     | 1                       | ".....                                               | 360                     |
| Bruvold.....       | 37      | 7                     | 9                       | ".....                                               | 2,180                   |
| Bunt Ina.....      | 4       | 2                     | 1                       | Supplies.....                                        |                         |
| California.....    | 20      | 5                     | 12                      | Bait and ice, supplies, engine trouble, shelter..... |                         |
| Cape Blanco.....   | 24      | 6                     | 1                       | Bait.....                                            |                         |
| Caroline.....      | 3       | 2                     | 1                       | Shelter.....                                         |                         |
| Cascade.....       | 7       | 1                     | 1                       | ".....                                               |                         |
| Cedric.....        | 19      | 6                     | 5                       | Sell fish.....                                       | 1,080                   |
| Chancellor.....    | 14      | 5                     | 10                      | Bait and ice, supplies, sell fish, fuel, etc.....    | 60                      |
| Chelsea.....       | 51      | 9                     | 9                       | Sell fish.....                                       | 3,300                   |



List of United States Fishing Vessels which entered Canadian Ports on the Pacific Coast during the year ended December 31, 1927—*Continued*

| Name of Vessel        | Tonnage | Number of men in crew | Number of times entered | Reasons for entry                               | Quantity of fish landed |
|-----------------------|---------|-----------------------|-------------------------|-------------------------------------------------|-------------------------|
|                       |         |                       |                         |                                                 | cwts.                   |
| Chimera.....          | 9       | 3                     | 6                       | Bait and ice, supplies.....                     |                         |
| Chum.....             | 6       | 3                     | 3                       | Sell fish.....                                  | 180                     |
| Cohoe.....            | 7       | 2                     | 1                       | Shelter.....                                    |                         |
| Columbia.....         | 41      | 10                    | 6                       | Sell fish.....                                  | 1,520                   |
| Commonwealth.....     | 60      | 10                    | 6                       | Bait and ice, sell fish.....                    | 1,620                   |
| Constitution.....     | 39      | 10                    | 9                       | " " ".....                                      | 1,920                   |
| Corona.....           | 19      | 11                    | 10                      | " " ".....                                      | 120                     |
| Curlew.....           | 18      | 5                     | 10                      | " " ".....                                      |                         |
| Daily.....            | 26      | 6                     | 7                       | Sell fish.....                                  | 1,280                   |
| Dave.....             | 4       | 1                     | 1                       | Shelter.....                                    |                         |
| De.....               | 11      | 3                     | 1                       | ".....                                          |                         |
| Decker J.....         | 16      | 5                     | 1                       | Bait and ice, landed fish.....                  | 22                      |
| Defence.....          | 20      | 5                     | 4                       | Sell fish.....                                  | 450                     |
| Democrat.....         | 27      | 6                     | 8                       | ".....                                          | 1,620                   |
| Diana.....            | 22      | 6                     | 7                       | Bait and ice, orders.....                       |                         |
| Discovery.....        | 10      | 4                     | 11                      | " " " sell fish.....                            | 60                      |
| Dixie.....            | 7       | 2                     | 1                       | Shelter.....                                    |                         |
| Dora H.....           | 15      | 5                     | 1                       | Bait and ice.....                               |                         |
| Dorothy.....          | 89      | 16                    | 1                       | Sell fish.....                                  | 280                     |
| Dorothy M.....        | 6       | 2                     | 2                       | Shelter.....                                    |                         |
| Eagle.....            | 67      | 15                    | 7                       | Sell fish.....                                  | 3,180                   |
| Eastern Point.....    | 4       | 2                     | 15                      | ".....                                          | 660                     |
| Echo 728 L.....       | 4       | 2                     | 1                       | Shelter.....                                    |                         |
| Eclipse.....          | 44      | 11                    | 6                       | Bait and ice, sell fish.....                    | 1,160                   |
| Eidsvold.....         | 15      | 5                     | 3                       | " " " orders and supplies.....                  |                         |
| Eldorado.....         | 47      | 11                    | 6                       | Sell fish.....                                  | 1,600                   |
| Eleanora.....         | 16      | 5                     | 3                       | Bait and ice and land fish.....                 | 15                      |
| Electra.....          | 48      | 10                    | 7                       | Sell fish.....                                  | 2,060                   |
| Elly.....             | 7       | 2                     | 1                       | Shelter.....                                    |                         |
| Emblem II.....        | 5       | 2                     | 1                       | ".....                                          |                         |
| Eureka.....           | 11      | 4                     | 16                      | Sell fish, fuel, etc.....                       | 1,360                   |
| Evelyn.....           | 4       | 1                     | 1                       | Assistance given "Hyada" with broken shaft..... |                         |
| Evolution.....        | 17      | 5                     | 10                      | Bait and ice.....                               |                         |
| Exceed.....           | 8       | 1                     | 1                       | Shelter.....                                    |                         |
| Excel.....            | 27      | 3                     | 2                       | ".....                                          |                         |
| Explorer.....         | 34      | 9                     | 4                       | Sell fish.....                                  | 1,540                   |
| Fairway.....          | 19      | 5                     | 2                       | ".....                                          | 360                     |
| Flamingo.....         | 13      | 5                     | 1                       | Fuel, etc.....                                  |                         |
| Flattery.....         | 10      | 3                     | 3                       | Sell fish.....                                  | 200                     |
| Flint.....            | 24      | 5                     | 1                       | Bait.....                                       |                         |
| Florence M. 1675..... | 4       | 2                     | 1                       | Shelter.....                                    |                         |
| Foremost.....         | 66      | 10                    | 8                       | Sell fish.....                                  | 3,380                   |
| Forerunner.....       | 4       | 2                     | 1                       | Shelter.....                                    |                         |
| Foreward.....         | 18      | 5                     | 2                       | Sell fish.....                                  | 60                      |
| Forward.....          | 4       | 1                     | 1                       | Shelter.....                                    |                         |
| Frances W.....        | 6       | 2                     | 1                       | ".....                                          |                         |
| Franklin.....         | 34      | 9                     | 4                       | Sell fish.....                                  | 660                     |
| Freia.....            | 4       | 2                     | 2                       | Shelter.....                                    |                         |
| Fremont.....          | 10      | 5                     | 7                       | Sell fish.....                                  | 580                     |
| 557 G.A. 1.....       | 4       | 2                     | 1                       | Shelter.....                                    |                         |
| G. 88 A.....          | 4       | 2                     | 2                       | ".....                                          |                         |
| Galveston.....        | 21      | 5                     | 1                       | ".....                                          |                         |
| Glacier.....          | 13      | 4                     | 3                       | Sell fish.....                                  | 460                     |
| Gladstone.....        | 23      | 6                     | 6                       | ".....                                          | 1,360                   |
| Gloria.....           | 17      | 5                     | 9                       | " " " fuel, bait and ice.....                   | 100                     |
| Going.....            | 6       | 2                     | 1                       | Shelter.....                                    |                         |
| Grant.....            | 51      | 9                     | 12                      | Sell fish.....                                  | 4,400                   |
| Gray.....             | 11      | 2                     | 3                       | Shelter.....                                    |                         |
| Grayling.....         | 16      | 5                     | 5                       | Sell fish.....                                  | 1,060                   |
| Grenburg.....         | 4       | 2                     | 1                       | Shelter.....                                    |                         |
| Gretchen.....         | 8       | 3                     | 8                       | Bait and ice.....                               |                         |
| Hallo.....            | 16      | 5                     | 1                       | ".....                                          |                         |
| Hanna.....            | 11      | 5                     | 3                       | Sell fish, fuel.....                            | 100                     |
| Happy.....            | 12      | 4                     | 2                       | ".....                                          | 320                     |
| Harding.....          | 19      | 5                     | 5                       | Bait and ice.....                               |                         |
| Harold 638 L.....     | 3       | 2                     | 1                       | Applying for Canadian Registry.....             |                         |
| Havana.....           | 41      | 10                    | 6                       | Sell fish.....                                  | 2,280                   |
| Hazel H.....          | 24      | 5                     | 11                      | ".....                                          | 2,000                   |
| Helgeland.....        | 56      | 15                    | 9                       | ".....                                          | 2,640                   |
| Hi Gill.....          | 12      | 4                     | 4                       | ".....                                          | 380                     |

LIST of United States Fishing Vessels which entered Canadian Ports on the Pacific Coast during the year ended December 31, 1927—*Continued*

| Name of Vessel        | Tonnage | Number of men in crew | Number of times entered | Reasons for entry                         | Quantity of fish landed |
|-----------------------|---------|-----------------------|-------------------------|-------------------------------------------|-------------------------|
|                       |         |                       |                         |                                           | cwt.                    |
| Hooter.....           | 4       | 2                     | 1                       | Shelter.....                              |                         |
| Hunter No. 2.....     | 11      | 6                     | 1                       | ".....                                    |                         |
| Hunter No. 4.....     | 11      | 6                     | 1                       | ".....                                    |                         |
| Imperial.....         | 23      | 6                     | 8                       | Sell fish.....                            | 1,240                   |
| Inger.....            | 7       | 3                     | 2                       | ".....                                    | 160                     |
| Ionic.....            | 24      | 6                     | 1                       | Bait and ice.....                         |                         |
| Irene.....            | 30      | 7                     | 3                       | Sell fish, supplies.....                  | 560                     |
| Ithona.....           | 20      | 6                     | 7                       | ".....                                    | 1,280                   |
| Ivanhoe.....          | 27      | 7                     | 7                       | ".....                                    | 1,460                   |
| Jack.....             | 13      | 4                     | 3                       | ".....                                    | 540                     |
| Jennie F. Decker..... | 16      | 5                     | 1                       | Bait.....                                 |                         |
| Jill 537 G.....       | 4       | 2                     | 3                       | Shelter.....                              |                         |
| Joseph George.....    | 6       | 2                     | 1                       | ".....                                    |                         |
| J. P. Todd II.....    | 12      | 5                     | 6                       | Sell fish.....                            | 680                     |
| Jumbo.....            | 3       | 2                     | 1                       | Shelter.....                              |                         |
| June.....             | 15      | 4                     | 6                       | Sell fish.....                            | 720                     |
| June II.....          | 8       | 2                     | 1                       | Shelter.....                              |                         |
| K. 452.....           | 5       | 2                     | 1                       | Applying for Canadian Registry.....       |                         |
| K. 911.....           | 4       | 2                     | 1                       | Engine trouble.....                       |                         |
| Kanaga.....           | 47      | 9                     | 6                       | Sell fish.....                            | 1,180                   |
| Kanatak.....          | 39      | 9                     | 2                       | ".....                                    | 300                     |
| Katalla.....          | 16      | 5                     | 3                       | " fuel.....                               | 120                     |
| Kattie M. 681.....    | 5       | 2                     | 2                       | Shelter.....                              |                         |
| Kodiak.....           | 38      | 13                    | 5                       | Shell fish, fuel.....                     | 1,380                   |
| L. 205.....           | 3       | 1                     | 1                       | Shelter.....                              |                         |
| L. 321.....           | 5       | 1                     | 1                       | Applying for Canadian Registry.....       |                         |
| L. 338.....           | 4       | 1                     | 1                       | Engine trouble.....                       |                         |
| La Paloma.....        | 14      | 11                    | 11                      | Bait and ice, engine trouble, orders..... |                         |
| Larcing.....          | 16      | 5                     | 3                       | Sell fish.....                            | 440                     |
| La Verne.....         | 5       | 2                     | 1                       | Water.....                                |                         |
| Leviathan.....        | 29      | 6                     | 8                       | Sell fish.....                            | 1,680                   |
| Lebanon.....          | 14      | 5                     | 6                       | Bait, ice.....                            |                         |
| Liberty.....          | 44      | 15                    | 6                       | Sell fish, bait and ice.....              | 960                     |
| Liberty 806 M.....    | 3       | 2                     | 1                       | Applying for Canadian Registry.....       |                         |
| Lief II.....          | 21      | 3                     | 2                       | Sell fish.....                            | 280                     |
| Lituya.....           | 30      | 9                     | 6                       | ".....                                    | 1,480                   |
| Life.....             | 6       | 2                     | 1                       | Shelter.....                              |                         |
| Lola.....             | 4       | 2                     | 2                       | Sell fish.....                            | 100                     |
| Louise.....           | 16      | 5                     | 11                      | Bait and ice.....                         |                         |
| Lummen.....           | 10      | 3                     | 4                       | Sell fish.....                            | 440                     |
| M. 131.....           | 5       | 1                     | 1                       | Applying for Canadian Registry.....       |                         |
| 290 M.....            | 3       | 1                     | 1                       | Shelter.....                              |                         |
| 633 M.....            | 5       | 1                     | 1                       | Applying for Canadian Registry.....       |                         |
| M. 1064.....          | 4       | 2                     | 1                       | Shelter.....                              |                         |
| M. 1084.....          | 4       | 2                     | 1                       | ".....                                    |                         |
| M. 1699 The Boys..... | 4       | 2                     | 1                       | ".....                                    |                         |
| M. 1874.....          | 4       | 3                     | 1                       | ".....                                    |                         |
| Mabel.....            | 5       | 2                     | 1                       | Bait.....                                 |                         |
| Madeline J.....       | 25      | 5                     | 8                       | Shelter, bait and ice.....                |                         |
| Magna.....            | 4       | 2                     | 1                       | ".....                                    |                         |
| Majestic.....         | 33      | 9                     | 7                       | Sell fish, bait and ice.....              | 2,540                   |
| Mankato.....          | 8       | 3                     | 2                       | Bait and ice, land fish.....              | 9                       |
| Mankaton.....         | 11      | 2                     | 1                       | ".....                                    |                         |
| Marguerite.....       | 7       | 2                     | 1                       | Shelter.....                              |                         |
| Mariner.....          | 21      | 5                     | 6                       | Bait and ice.....                         |                         |
| Marmot.....           | 30      | 8                     | 9                       | Sell fish.....                            |                         |
| Mary.....             | 16      | 8                     | 15                      | Bait and ice.....                         |                         |
| Mary Fischer.....     | 8       | 2                     | 1                       | Shelter.....                              |                         |
| Mary L.....           | 7       | 2                     | 1                       | ".....                                    |                         |
| Mary R.....           | 7       | 2                     | 1                       | ".....                                    |                         |
| Mars.....             | 9       | 4                     | 6                       | " bait and ice.....                       |                         |
| McKinley.....         | 38      | 10                    | 9                       | Sell fish, bait and ice.....              | 2,420                   |
| Merkur.....           | 8       | 2                     | 1                       | Shelter.....                              |                         |
| Memories.....         | 8       | 2                     | 1                       | ".....                                    |                         |
| Mermaid.....          | 4       | 1                     | 1                       | Sell fish.....                            |                         |
| Mermaid.....          | 19      | 5                     | 8                       | Bait, ice, supplies.....                  |                         |
| Middleton.....        | 24      | 6                     | 4                       | Sell fish.....                            | 900                     |
| Mildred.....          | 19      | 5                     | 1                       | Bait and ice.....                         |                         |
| Mildred II.....       | 31      | 7                     | 2                       | Sell fish.....                            | 320                     |
| Milkof.....           | 42      | 11                    | 1                       | Bait and ice.....                         |                         |
| Miro S.H. 48 A.....   | 4       | 2                     | 1                       | Shelter.....                              |                         |

LIST of United States Fishing Vessels which entered Canadian Ports on the Pacific Coast during the year ended December 31, 1927—*Continued*

| Name of Vessel       | Tonnage | Number of men in crew | Number of times entered | Reasons for entry                   | Quantity of fish landed |
|----------------------|---------|-----------------------|-------------------------|-------------------------------------|-------------------------|
|                      |         |                       |                         |                                     | cwts.                   |
| Mitkoff.....         | 46      | 10                    | 8                       | Sell fish.....                      | 2,080                   |
| Munnie 284 T.....    | 5       | 2                     | 1                       | Orders.....                         |                         |
| Muria.....           | 27      | 6                     | 8                       | Sell fish.....                      | 1,420                   |
| Myrtle.....          | 9       | 3                     | 7                       | Bait and ice.....                   |                         |
| Naima.....           | 4       | 2                     | 1                       | Shelter.....                        |                         |
| National.....        | 20      | 5                     | 10                      | Sell fish, bait and ice.....        | 580                     |
| Nebraska.....        | 5       | 4                     | 1                       | Shelter.....                        |                         |
| Neptune.....         | 43      | 13                    | 11                      | Sell fish, bait and ice.....        | 1,680                   |
| New England.....     | 70      | 25                    | 2                       | " " " ".....                        | 400                     |
| Nomad.....           | 15      | 4                     | 1                       | Bait and ice.....                   |                         |
| Nordic.....          | 30      | 9                     | 4                       | Sell fish, fuel.....                | 980                     |
| Norland.....         | 19      | 6                     | 2                       | " " " ".....                        | 380                     |
| Norma.....           | 6       | 2                     | 2                       | " " " ".....                        | 80                      |
| North.....           | 9       | 3                     | 9                       | Bait and ice.....                   |                         |
| North.....           | 35      | 9                     | 8                       | Sell fish.....                      | 2,880                   |
| Northern.....        | 38      | 9                     | 5                       | " " " ".....                        | 1,340                   |
| Oceanus.....         | 26      | 6                     | 8                       | Shelter, bait and ice.....          |                         |
| O.K.....             | 3       | 2                     | 1                       | " " " ".....                        |                         |
| O.K. K959.....       | 4       | 2                     | 1                       | " " " ".....                        |                         |
| Omaney.....          | 34      | 10                    | 4                       | Sell fish.....                      | 1,040                   |
| Omah.....            | 18      | 5                     | 16                      | " " " ".....                        | 1,900                   |
| Orient.....          | 48      | 13                    | 10                      | Bait and ice, orders, supplies..... |                         |
| Pacific.....         | 44      | 10                    | 6                       | Sell fish, orders.....              | 1,900                   |
| Panama.....          | 35      | 13                    | 10                      | " " bait and ice.....               | 2,240                   |
| Paragon.....         | 69      | 15                    | 5                       | " " " ".....                        | 1,540                   |
| Pershing.....        | 18      | 5                     | 2                       | Shelter, bait and ice.....          |                         |
| Pet.....             | 4       | 2                     | 1                       | " " " ".....                        |                         |
| Phoenix.....         | 12      | 2                     | 2                       | " " " ".....                        |                         |
| Pioneer.....         | 48      | 10                    | 8                       | Sell fish.....                      | 2,340                   |
| Pioneer III.....     | 26      | 5                     | 5                       | Fuel, bait and ice.....             |                         |
| Polaris.....         | 45      | 10                    | 7                       | Sell fish.....                      | 1,700                   |
| Portlock.....        | 36      | 9                     | 5                       | " " " ".....                        | 1,640                   |
| Presho.....          | 14      | 5                     | 11                      | Bait and ice.....                   |                         |
| President.....       | 24      | 7                     | 7                       | Sell fish.....                      | 1,760                   |
| Prince.....          | 12      | 2                     | 1                       | Shelter.....                        |                         |
| Prosperity.....      | 25      | 6                     | 6                       | Sell fish.....                      | 1,440                   |
| Puffin.....          | 18      | 4                     | 1                       | Orders.....                         |                         |
| Radio.....           | 63      | 10                    | 7                       | Sell fish.....                      | 3,320                   |
| Ramora.....          | 4       | 2                     | 1                       | Engine trouble.....                 |                         |
| Ranier.....          | 4       | 3                     | 6                       | Sell fish.....                      | 450                     |
| Ranier.....          | 39      | 9                     | 9                       | " " " ".....                        | 2,080                   |
| Rebel M. 1064.....   | 4       | 2                     | 1                       | Shelter, engine trouble.....        |                         |
| Reliance.....        | 8       | 4                     | 3                       | Sell fish.....                      | 140                     |
| Reliance.....        | 11      | 4                     | 7                       | Fuel, bait and ice.....             |                         |
| Reliance.....        | 14      | 4                     | 4                       | Sell fish.....                      | 600                     |
| Reliance I.....      | 19      | 5                     | 5                       | " " " ".....                        | 380                     |
| Reliance.....        | 25      | 5                     | 1                       | " " " ".....                        | 80                      |
| Repeat.....          | 14      | 4                     | 3                       | Bait and ice.....                   |                         |
| Republic.....        | 20      | 5                     | 1                       | " " " ".....                        |                         |
| Republic.....        | 51      | 15                    | 6                       | Sell fish.....                      | 1,620                   |
| Resolute.....        | 47      | 10                    | 9                       | " " " ".....                        | 3,500                   |
| Restitution.....     | 24      | 5                     | 9                       | Bait and ice.....                   |                         |
| Ronald Amundsen..... | 22      | 6                     | 6                       | Sell fish.....                      | 800                     |
| Roamer.....          | 5       | 3                     | 1                       | Shelter.....                        |                         |
| Romance.....         | 8       | 2                     | 1                       | " " " ".....                        |                         |
| Rosario.....         | 16      | 5                     | 2                       | " " bait and ice.....               |                         |
| Roosevelt.....       | 18      | 5                     | 2                       | Bait and ice.....                   |                         |
| Royal.....           | 2       | 1                     | 1                       | Sell fish.....                      | 20                      |
| Royal.....           | 15      | 5                     | 7                       | Bait, ice.....                      |                         |
| Ruth.....            | 8       | 4                     | 1                       | Sell fish.....                      | 40                      |
| Ruth May.....        | 13      | 2                     | 1                       | Shelter.....                        |                         |
| S. 896.....          | 3       | 2                     | 1                       | " " " ".....                        |                         |
| Sadie K.....         | 16      | 5                     | 1                       | Engine trouble.....                 |                         |
| Salome.....          | 7       | 2                     | 2                       | Shelter.....                        |                         |
| Sammy.....           | 8       | 2                     | 1                       | " " " ".....                        |                         |
| Sea Bird.....        | 5       | 2                     | 1                       | " " " ".....                        |                         |
| Sea Otter.....       | 4       | 3                     | 1                       | " " " ".....                        |                         |
| Seattle.....         | 55      | 11                    | 4                       | Sell fish.....                      | 1,380                   |
| 2nd Mate.....        | 3       | 1                     | 1                       | Shelter.....                        |                         |
| Selma J.....         | 9       | 4                     | 10                      | " " bait and ice.....               |                         |

LIST of United States Fishing Vessels which entered Canadian Ports on the Pacific Coast during the year ended December 31, 1927—*Concluded*

| Name of Vessel        | Tonnage | Number of men in crew | Number of times entered | Reasons for entry                    | Quantity of fish landed |
|-----------------------|---------|-----------------------|-------------------------|--------------------------------------|-------------------------|
| Senator.....          | 11      | 7                     | 5                       | Sell fish.....                       | cwss. 1,520             |
| Sentinel.....         | 21      | 6                     | 6                       | ".....                               | 1,380                   |
| Seymour.....          | 44      | 13                    | 2                       | " , supplies.....                    | 360                     |
| Sherman.....          | 18      | 5                     | 4                       | ".....                               | 640                     |
| Sien d's.....         | 36      | 9                     | 1                       | Bait and ice.....                    |                         |
| Silver Wain.....      | 4       | 2                     | 1                       | Shelter.....                         |                         |
| Sirius.....           | 17      | 4                     | 9                       | Sell fish.....                       | 1,080                   |
| Sitka.....            | 50      | 10                    | 7                       | ".....                               | 2,880                   |
| S.L. 60.....          | 4       | 2                     | 1                       | Shelter.....                         |                         |
| Spray.....            | 20      | 6                     | 3                       | Sell fish, bait and ice.....         | 560                     |
| Stampede.....         | 5       | 1                     | 1                       | Shelter.....                         |                         |
| Star.....             | 18      | 3                     | 2                       | Sell fish.....                       | 180                     |
| Sumner.....           | 34      | 10                    | 11                      | " , fuel.....                        | 2,060                   |
| Sunde EE.....         | 36      | 9                     | 4                       | ".....                               | 940                     |
| Sunset.....           | 37      | 9                     | 9                       | ".....                               | 2,880                   |
| Superior.....         | 18      | 5                     | 2                       | Bait and ice.....                    |                         |
| Superior.....         | 26      | 5                     | 4                       | Sell fish.....                       | 900                     |
| Swan.....             | 9       | 4                     | 13                      | Shelter, bait and ice, supplies..... |                         |
| Sylvia.....           | 30      | 6                     | 7                       | Bait and ice.....                    |                         |
| T. 435.....           | 5       | 2                     | 1                       | Supplies.....                        |                         |
| Tahoma.....           | 18      | 6                     | 8                       | Sell fish.....                       | 1,120                   |
| Tatoosh.....          | 23      | 6                     | 9                       | ".....                               | 2,360                   |
| Taybelle.....         | 8       | 2                     | 1                       | Engine trouble.....                  |                         |
| Teddy J.....          | 13      | 5                     | 6                       | Sell fish.....                       | 800                     |
| Texas.....            | 16      | 5                     | 3                       | Shelter, bait and ice.....           |                         |
| Thelma II.....        | 26      | 6                     | 7                       | Sell fish, bait and ice, orders..... | 160                     |
| Thor.....             | 4       | 2                     | 1                       | ".....                               | 20                      |
| Thor.....             | 25      | 13                    | 8                       | " , bait and ice.....                | 1,380                   |
| Tordenskjold.....     | 39      | 13                    | 10                      | ".....                               | 400                     |
| Trinity.....          | 41      | 10                    | 6                       | ".....                               | 1,720                   |
| Trondreu.....         | 5       | 2                     | 1                       | Shelter.....                         |                         |
| Tyee.....             | 13      | 4                     | 3                       | Sell fish.....                       | 380                     |
| Umatilla.....         | 8       | 2                     | 5                       | Shelter.....                         |                         |
| Unamak.....           | 10      | 3                     | 1                       | Sell fish.....                       | 80                      |
| Unimak.....           | 22      | 5                     | 10                      | Bait and ice.....                    |                         |
| Urama.....            | 27      | 7                     | 1                       | Sell fish.....                       | 160                     |
| Uranus.....           | 15      | 5                     | 10                      | " , fuel, bait and ice, orders.....  | 80                      |
| Vansee.....           | 58      | 11                    | 7                       | ".....                               | 2,680                   |
| Vega.....             | 6       | 2                     | 1                       | Shelter.....                         |                         |
| Velero.....           | 6       | 3                     | 10                      | Bait and ice.....                    |                         |
| Velya.....            | 6       | 2                     | 4                       | Shelter, bait and ice.....           |                         |
| Venture.....          | 36      | 15                    | 2                       | Sell fish, bait and ice.....         | 180                     |
| Venus.....            | 4       | 3                     | 2                       | ".....                               | 140                     |
| Venus.....            | 25      | 7                     | 7                       | ".....                               | 1,480                   |
| Vermont.....          | 35      | 8                     | 1                       | Fuel.....                            |                         |
| Verna.....            | 5       | 2                     | 1                       | Shelter.....                         |                         |
| Vesta.....            | 17      | 5                     | 10                      | Bait and ice, land fish, orders..... | 5                       |
| Vestura.....          | 5       | 3                     | 1                       | Sell fish.....                       | 40                      |
| Viking.....           | 11      | 4                     | 14                      | " , shelter, bait and ice.....       | 450                     |
| Virginia.....         | 33      | 6                     | 1                       | ".....                               | 200                     |
| Visitor.....          | 4       | 2                     | 1                       | ".....                               | 40                      |
| Volunteer.....        | 20      | 5                     | 2                       | Bait and ice.....                    |                         |
| Wabash.....           | 6       | 3                     | 10                      | Sell fish.....                       | 360                     |
| Wa Wa K.903.....      | 4       | 1                     | 1                       | Shelter.....                         |                         |
| Wanderer.....         | 4       | 2                     | 1                       | Supplies.....                        |                         |
| Wave.....             | 7       | 3                     | 12                      | Sell fish.....                       | 720                     |
| Wesley.....           | 9       | 3                     | 13                      | Shelter, bait, ice, supplies.....    |                         |
| West.....             | 9       | 2                     | 1                       | ".....                               |                         |
| Western.....          | 41      | 9                     | 10                      | Sell fish.....                       | 4,420                   |
| Westjord.....         | 17      | 5                     | 2                       | " , fuel.....                        | 120                     |
| White Star 1177M..... | 4       | 2                     | 1                       | Shelter.....                         |                         |
| White Star.....       | 17      | 5                     | 13                      | " , bait and ice, land fish.....     | 3                       |
| Wilson.....           | 19      | 5                     | 11                      | Sell fish, bait and ice.....         | 440                     |
| Wireless.....         | 19      | 5                     | 14                      | " , shelter, ice, supplies.....      | 520                     |
| Withelema.....        | 17      | 5                     | 1                       | Bait, ice.....                       |                         |
| Wizard.....           | 49      | 10                    | 6                       | Sell fish, bait and ice.....         | 300                     |
| Woodrow.....          | 23      | 5                     | 11                      | ".....                               | 120                     |
| Wyach.....            | 4       | 2                     | 1                       | Shelter.....                         |                         |
| Yakutat.....          | 41      | 10                    | 8                       | Sell fish, bait and ice.....         | 2,280                   |
| Yaquina.....          | 29      | 6                     | 6                       | Bait, ice.....                       |                         |
| Yellowstone.....      | 22      | 6                     | 2                       | Sell fish.....                       | 180                     |
| Yukon.....            | 31      | 7                     | 8                       | ".....                               | 2,140                   |
| Zenith.....           | 47      | 10                    | 8                       | " bait, ice.....                     | 2,520                   |

## APPENDIX NO. 7

The following is a statement of the different kinds of licenses issued by the different Inspectors, during the 1927-28 season:—

## MAGDALEN ISLANDS, QUEBEC—INSPECTOR S. T. GALLANT

| Kind of Licenses—              | Number of Licenses Issued |
|--------------------------------|---------------------------|
| Lobster fishing licenses.....  | 665                       |
| Lobster packing licenses.....  | 15                        |
| Lobster packing extensions—10  |                           |
| Fish cannery licenses.....     | 1                         |
| Certificates under Sec. 63—3   |                           |
| Herring trap-net licenses..... | 25 (1 Cod Trap-net)       |
| Herring seine licenses.....    | 21                        |
|                                | <hr/> 727                 |

## PRINCE EDWARD ISLAND—INSPECTOR S. T. GALLANT

|                                |             |
|--------------------------------|-------------|
| Lobster fishing licenses.....  | 2,110       |
| Lobster packing licenses.....  | 133         |
| Lobster Packing extensions—62. |             |
| Oyster fishery licenses.....   | 182         |
| Quahaug fishing licenses.....  | Nil         |
| Fish cannery licenses.....     | 9           |
| Certificates under Sec. 63—7.  |             |
| Reduction works licenses.....  | Nil         |
| Trap-net fishing licenses..... | 3           |
| Lobster Pound licenses.....    | 1           |
| Smelt gill-net licenses.....   | 332         |
| Smelt bag-net licenses.....    | 257         |
|                                | <hr/> 3,027 |

## NOVA SCOTIA—DISTRICT No. 1—INSPECTOR A. G. McLEOD

|                                                                     |                           |
|---------------------------------------------------------------------|---------------------------|
| Lobster fishing licenses.....                                       | 2,006                     |
| Lobster packing licenses.....                                       | 47 (1 cancelled)          |
| Lobster packing extensions—37.                                      |                           |
| Oyster fishery licenses.....                                        | 98                        |
| Fish cannery licenses.....                                          | 3                         |
| Certificates under section 63—48 (5 lost).                          |                           |
| Reduction works licenses.....                                       | Nil                       |
| Gaspereau & alewife fishing licenses (herring weir forms used)..... | 3                         |
| Trap-net fishing licenses.....                                      | 38                        |
| Salmon gill-net or drift-net licenses.....                          | 26                        |
| Salmon trap-net, pound-net or weir license.....                     | 175                       |
| Special angling permits.....                                        | 78                        |
| Lobster pound licenses.....                                         | Nil                       |
| Smelt bag-net licenses.....                                         | 20                        |
| Smelt gill-net licenses.....                                        | 226                       |
|                                                                     | <hr/> 2,720 (1 cancelled) |

## NOVA SCOTIA—DISTRICT No. 2—INSPECTOR D. H. SUTHERLAND

|                                                  |                            |
|--------------------------------------------------|----------------------------|
| Lobster fishing licenses.....                    | 3,175 (1 cancelled)        |
| Lobster packing licenses.....                    | 51 (1 cancelled)           |
| Lobster packing extensions.....—69 (2 cancelled) |                            |
| Oyster fishery licenses.....                     | 95                         |
| Quahaug fishery licenses.....                    | Nil                        |
| Shad gill-net or drift net license.....          | 18                         |
| Fish cannery licenses.....                       | 3                          |
| Certificates under section 63—93.                |                            |
| Reduction works licenses.....                    | 4 (1 cancelled)            |
| Seine licenses.....                              | 139                        |
| Herring weir licenses.....                       | 13                         |
| Trap-net fishing licenses.....                   | 91                         |
| Salmon gill-net or drift-net licenses.....       | 358 (4 cancelled)          |
| Salmon trap-net, pound-net or weir licenses..... | 162 (3 cancelled)          |
| Special angling permits.....                     | 71                         |
| Scallop fishery licenses.....                    | 7                          |
| Lobster pound licenses.....                      | 2                          |
| Smelt bag-net licenses.....                      | 212                        |
| Smelt gill-net licenses.....                     | 290                        |
| Lobster pound certificates—74.                   |                            |
|                                                  | <hr/> 4,691 (10 cancelled) |

## NOVA SCOTIA—DISTRICT No. 3—INSPECTOR H. H. MARSHALL

| Kind of Licenses—Continued—                      | Number of Licenses issued |
|--------------------------------------------------|---------------------------|
| Lobster fishing licenses.....                    | 3,301                     |
| Lobster packing licenses.....                    | 31                        |
| Lobster packing extensions—21.                   |                           |
| Shad gill-net or drift-net licenses.....         | 3                         |
| Fish cannery licenses.....                       | 19                        |
| Certificates under section 63—174                |                           |
| Reduction works licenses.....                    | 10 (1 cancelled)          |
| Herring weir licenses.....                       | 64                        |
| Trap-net fishing licenses.....                   | 129 (2 cancelled)         |
| Salmon gill-net or drift-net licenses.....       | 239                       |
| Salmon trap-net, pound-net or weir licenses..... | 53                        |
| Salmon net permits.....                          | 42                        |
| Special angling permits.....                     | 704                       |
| Scallop fishery licenses.....                    | 321                       |
| Lobster pound licenses.....                      | 12 (1 cancelled)          |
| Smelt bag-net licenses.....                      | 24                        |
| Smelt gill-net licenses.....                     | 76                        |
| Lobster pound certificates—155.                  |                           |
|                                                  | <hr/> 5,028 (4 cancelled) |

## NEW BRUNSWICK—DISTRICT No. 3—INSPECTOR H. E. HARRISON

|                                                  |           |
|--------------------------------------------------|-----------|
| Shad gill-net or drift-net licenses.....         | 282       |
| Sturgeon fishery licenses.....                   | 13        |
| Whitefish fishery licenses.....                  | 13        |
| Salmon net permits.....                          | 172       |
| Gaspereau pound-net or trap-net licenses.....    | 27        |
| Salmon gill-net or drift-net licenses.....       | 120       |
| Salmon trap-net, pound-net or weir licenses..... | 109       |
| Bass fishery licenses.....                       | 43        |
| Smelt gill-net licenses.....                     | 1         |
| Smelt bag-net licenses.....                      | Nil       |
|                                                  | <hr/> 780 |

## NEW BRUNSWICK—DISTRICT No. 1—INSPECTOR J. F. CALDER

|                                             |             |
|---------------------------------------------|-------------|
| Lobster fishing licenses.....               | 532         |
| Shad gill-net or drift-net licenses.....    | 46          |
| Fish cannery licenses.....                  | 10          |
| Certificates under section 63—2.            |             |
| Reduction works licenses.....               | 3           |
| Herring weir licenses.....                  | 574         |
| Clam permits.....                           | 103         |
| Salmon gill-net or drift-net licenses.....  | 87          |
| Herring seine licenses.....                 | 1           |
| Scallop fishery licenses.....               | 2           |
| Lobster pound licenses.....                 | 4           |
| Smelt gill-net licenses.....                | Nil         |
| Smelt bag-net licenses.....                 | Nil         |
| Lobster pound certificates—130.             |             |
| Lease of dark harbour fishing privileges—1. |             |
|                                             | <hr/> 1,362 |

## NEW BRUNSWICK—DISTRICT No. 2—INSPECTOR A. L. BARRY

|                                                  |                           |
|--------------------------------------------------|---------------------------|
| Lobster fishing licenses.....                    | 1,980                     |
| Lobster packing licenses.....                    | 126 (1 cancelled)         |
| Lobster packing extensions 32.                   |                           |
| Oyster fishery licenses.....                     | 673                       |
| Quahaug fishery licenses.....                    | 69                        |
| Shad gill-net or drift-net licenses.....         | Nil                       |
| Fish cannery licenses.....                       | 4                         |
| Certificates under section 63—212.               |                           |
| Reduction works licenses.....                    | Nil                       |
| Herring weir licenses.....                       | Nil                       |
| Gaspereau pound-net or trap-net licenses.....    | 32                        |
| Salmon gill-net or drift-net licenses.....       | 76                        |
| Salmon trap-net, pound-net or weir licenses..... | 402                       |
| Scallop fishery licenses.....                    | Nil                       |
| Lobster pound licenses.....                      | 4                         |
| Bass fishery licenses.....                       | 32                        |
| Smelt gill-net licenses.....                     | 133                       |
| Smelt bag-net licenses.....                      | 5,502                     |
| Lobster pound certificates—236.                  |                           |
|                                                  | <hr/> 9,038 (1 cancelled) |

## MANITOBA—INSPECTOR J. B. SKAPTASON

| Kind of Licenses—Continued—                   | Number of licenses issued |
|-----------------------------------------------|---------------------------|
| Reduction works licenses (issued by R.C.M.P.) | 1                         |
| Commercial sturgeon fishery licenses          | 142                       |
| Domestic sturgeon fishery licenses            | 118                       |
| Special angling permits                       | 560                       |
| Pound-net licenses                            | 16                        |
| Special fishery licenses                      | 3,647 (4 cancelled)       |
| Settler's permits                             | 1,369                     |
| Receipt books—57.                             |                           |
|                                               | 5,853 (4 cancelled)       |

## SASKATCHEWAN—INSPECTOR G. C. MACDONALD

|                                             |                      |
|---------------------------------------------|----------------------|
| Commercial sturgeon fishery licenses        | Nil                  |
| Domestic sturgeon fishery licenses          | Nil                  |
| Special angling permits                     | 214                  |
| Commercial and fisherman's fishery licenses | 861 (14 cancelled)   |
| Domestic fishery licenses                   | 137 (1 cancelled)    |
| Indian and half-breed permits               | 853                  |
|                                             | 2,065 (15 cancelled) |

## ALBERTA—INSPECTOR R. T. RODD

|                                             |                      |
|---------------------------------------------|----------------------|
| Fish cannery licenses                       | Nil                  |
| Special angling permits                     | 5,221 (3 cancelled)  |
| Receipt books—885 (3 cancelled)             |                      |
| Indian and half-breed permits               | 952                  |
| Commercial and fisherman's fishery licenses | 1,401 (15 cancelled) |
| Domestic fishery licenses                   | 223 (10 cancelled)   |
|                                             | 7,797 (28 cancelled) |

## BRITISH COLUMBIA—INSPECTOR J. A. MOTHERWELL

|                                                                                                |                       |
|------------------------------------------------------------------------------------------------|-----------------------|
| Fish cannery licenses                                                                          | 10                    |
| Reduction works licenses                                                                       | 27                    |
| Special angling permits                                                                        | 45                    |
| Abalone fishery licenses                                                                       | 1                     |
| Indian permits                                                                                 | 830 (6 cancelled)     |
| Crab fishery licenses                                                                          | 148 (1 cancelled)     |
| Smelt or sardine fishery licenses                                                              | 69                    |
| Sturgeon fishery licenses                                                                      | Nil                   |
| Miscellaneous licenses                                                                         | 160 (2 cancelled)     |
| Salmon fishery licenses                                                                        | 4,886 (7 cancelled)   |
| Salmon trolling licenses                                                                       | 3,005 (2 cancelled)   |
| Salmon trap-net licenses                                                                       | 7                     |
| Salmon purse seine licenses                                                                    | 482 (1 cancelled)     |
| Salmon drag-seine licenses                                                                     | 46                    |
| Licenses to a captain of a salmon (purse or drag) seine boat                                   | 414 (2 cancelled)     |
| Salmon curing licenses                                                                         | 38 (1 cancelled)      |
| Salmon cannery licenses                                                                        | 75                    |
| Boat license to buy fresh salmon from fishermen                                                | 263                   |
| License to a person engaged in cold storage or fish packing to buy fresh salmon from fishermen | 69                    |
| Grayfish fishery licenses                                                                      | 237                   |
| Licenses to assistant operator of salmon (purse or drag) seine used under license No.          | 2,156                 |
| Licenses to assistant in a boat used in operating a salmon gill-net or drift-net               | 1,111 (1 cancelled)   |
| Cod fishery licenses                                                                           | 468 (1 cancelled)     |
| Herring or pilchard gill-net or drift-net licenses                                             | 34                    |
| Herring or pilchard drag-seine licenses                                                        | 1                     |
| Herring or pilchard purse-seine licenses                                                       | 89                    |
| License to captain of herring or pilchard seine boat                                           | 80 (2 cancelled)      |
| Herring or pilchard curing licenses                                                            | 30                    |
| Whale factory licenses                                                                         | 2                     |
| Counterfoil of pelagic sealing certificates—17.                                                |                       |
|                                                                                                | 14,783 (26 cancelled) |

## YUKON

|                          |                  |
|--------------------------|------------------|
| Special fishery licenses | 34 (1 cancelled) |
|--------------------------|------------------|

## PACIFIC COAST

|                                           |                       |
|-------------------------------------------|-----------------------|
| Licenses to United States fishing vessels | 226                   |
| Total                                     | 58,131 (90 cancelled) |

## APPENDIX NO. 8

RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28

NOVA SCOTIA—DISTRICT No. 1—Inspector, A. G. McLEOD

| Pros. Nos. | Name of Offender                     | Nature of Offence                                              | Place of Offence             | Result of Prosecution                                                                             |
|------------|--------------------------------------|----------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------|
| 1          | Louis Varence.....                   | Fishing trout through the ice.....                             | Lake Ainslie.....            | Fined \$200.00 and costs. Suspended sentence. Confiscation of 1 axe, 7 hooks, lines, and 4 trout. |
| 2          | Edward Young.....                    | Being unlawfully in possession of berried lobster....          | North Sydney.....            | Fined \$15.00 and costs and confiscation of 1 berried lobster.                                    |
| 3          | Edward Young.....                    | Unlawfully fishing for lobsters, violation of Sec. 18 of Regs. | Low Point, C.B.....          | Fined \$1.00 and costs and confiscation of 14 lobsters.                                           |
| 4          | Henry Chiasson.....                  | Netting salmon.....                                            | Barrack Pool, Margaree River | Fined \$10.00 and had confiscated 1 salmon net.                                                   |
| 5          | Pierre Fribould and Alfred De-veaux. | Fishing lobsters after close season.....                       | North Sydney.....            | Fined \$9.75 and costs each and confiscation of 4 lobster ring traps and 2 lobsters.              |

NOVA SCOTIA—DISTRICT No. 2—Inspector, D. H. SUTHERLAND

|    |                         |                                                         |                              |                                                                                                     |
|----|-------------------------|---------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------|
| 1  | Bert Tait.....          | Illegal fishing of salmon.....                          | Powers Plant near Oxford.... | Fined \$5.00 and costs and had confiscated 1 salmon net.                                            |
| 2  | Melvin Weeks.....       | Fishing within 25 yards of the lower entrance to a dam. | Ship Harbour.....            | Fined \$50.00 and costs or 30 days in jail—Suspended; and had confiscated from him 2 dip nets.      |
| 3  | Melvin Weeks.....       | “ “ “ “ “ “                                             | “ “ “ “ “ “                  | Confiscation of 2 dip-nets.                                                                         |
| 4  | Melvin Weeks.....       | Resisting arrest, violation of Sec. 50.....             | “ “ “ “ “ “                  | Confiscation of 2 dip-nets.                                                                         |
| 5  | Mrs. John Muirhead..... | Having lobsters in her possession out of season....     | New Glasgow.....             | Fined \$50.00 and confiscation 4 berried lobsters.                                                  |
| 6  | Geo. Mason.....         | Having lobsters in his possession out of season....     | Ponds, Pictou County.....    | Fined \$50.00 and costs and had confiscated 62 lobsters.                                            |
| 7  | Fred Calquhoun.....     | Having lobsters in his possession out of season....     | Little Harbour.....          | Fined \$50.00 and costs and had confiscated 92 lobsters.                                            |
| 8  | Warren Mills.....       | Having lobsters in his possession out of season....     | Bayview.....                 | Fined \$5.00 and costs and had confiscated 54 lobsters.                                             |
| 9  | Colin MacDonald.....    | Having lobsters in his possession out of season....     | Bayview.....                 | Fined \$10.00 and costs or 30 days in jail; 54 lobsters confiscated jointly with W. Mills, Pros. 8. |
| 10 | John Muirhead.....      | Selling lobsters in town.....                           | Westville.....               | Fined \$50.00 and costs.                                                                            |



|    |                          |                                                     |                                          |                                                                                                                                         |
|----|--------------------------|-----------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 11 | Carl Cochrane.....       | Illegal salmon fishing.....                         | Port au Pique River.....                 | Fined \$5.00 and confiscated 1 salmon spear.                                                                                            |
| 12 | Clinton Miller.....      | Illegal lobster fishing.....                        | East Wallace.....                        | Fined \$50.00 and costs and had confiscated 1 motor boat, 1 crate, 2 bags of lobsters.                                                  |
| 13 | R. M. Trenholm.....      | Illegal fishing, having lobsters in possession..... | Pugwash, closed district.....            | Fined \$50.00 and costs or 50 days in jail.                                                                                             |
| 14 | Roy Howard.....          | Illegal salmon fishing.....                         | Wallace River.....                       | Fined \$12.00 and costs.                                                                                                                |
| 15 | Geo. Smith.....          | Having undersized lobsters in his possession.....   | Halifax harbour.....                     | Fined \$25.00 and costs and had confiscated from him 28 lobsters.                                                                       |
| 16 | Arthur Billard.....      | Having undersized lobsters in his possession.....   | Halifax Harbour, near George Island..... | Fined \$25.00 and costs and had confiscated from him 25 lobsters.                                                                       |
| 17 | Purney Hurshman.....     | Having lobsters under 9" in length.....             | Near Halifax.....                        | Fined \$35.00 and costs and had confiscated from him 64 lobsters.                                                                       |
| 18 | Charles P. Hurshman..... | Having lobsters under 9" in length.....             | Near Halifax.....                        | Fined \$70.00 and costs or 60 days in jail, and had confiscated from him 64 lobsters. (These are the same lobsters as in Pros. No. 17.) |

## NOVA SCOTIA—DISTRICT No. 3—Inspector, H. H. MARSHALL

|    |                       |                                                      |                                  |                                                                                                                            |
|----|-----------------------|------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1  | Temory Dorey.....     | Violation of Sub-sec. 9, Sec. 36 of Fishery Act..... | LaHave River, near Bridge-water. | Dismissed.                                                                                                                 |
| 2  | Chas. Wengle.....     | Violation of Sub-sec. 9, Sec. 36 of Fishery Act..... | LaHave River, near Bridge-water. | Fined \$25.00 and costs or 30 days in jail. Sent to jail.                                                                  |
| 3  | Artemas Ramey.....    | Fishing for salmon illegally.....                    | LaHave River, near Bridge-water. | Fined \$20.00 and costs or 20 days in jail.                                                                                |
| 4  | Angus Wile.....       | Fishing for salmon illegally.....                    | LaHave River, near Bridge-water. | Fined \$20.00 and costs or 20 days in jail.                                                                                |
| 5  | George Smith.....     | Taking a salmon illegally.....                       | Petite Riviere.....              | Fined \$5.00 and costs and had confiscated 1 dip-net.                                                                      |
| 6  | Harry Dolliver.....   | Fishing for lobsters without a license.....          | Port Medway Harbour.....         | Fined \$5.00 and costs.                                                                                                    |
| 7  | Raymond Selig.....    | Setting salmon net without a license.....            | South West Cove.....             | Fined \$10.00 and costs.                                                                                                   |
| 8  | Zacharias Conrad..... | Setting salmon net without a license.....            | Great Island.....                | Fined \$10.00 and costs.                                                                                                   |
| 9  | Ernest Weagle.....    | Illegally taking a salmon.....                       | LaHave River, Bridgewater.       | Fined \$100.00 and costs and 3 months in jail, and in default of payment, for a further period of one month.—Sent to jail. |
| 10 | Harold Kaizer.....    | Having 4-inch gill-net, setting above the limit..... | West side of Gold River.....     | Fined \$10.00 and costs.                                                                                                   |
| 11 | Angus Nowe.....       | Fishing for lobsters without a license.....          | Medway Harbour.....              | Fined \$5.00 and costs.                                                                                                    |
| 12 | Norman Wymot.....     | Using a swing-net.....                               | McLeod's Falls.....              | Dismissed.                                                                                                                 |
| 13 | William Ramey.....    | Using a swing-net.....                               | McLeod's Falls.....              | Dismissed.                                                                                                                 |
| 14 | Chesley Kennis.....   | Fishing a square net during weekly close season..... | Gaspereau, King County.....      | Fined \$20.00 and costs.                                                                                                   |
| 15 | Edward Newcomb.....   | Obstructing river with wire netting.....             | Melanson.....                    | Fined \$20.00 and costs and confiscated from him roll of wire netting.                                                     |
| 16 | Norman Adams.....     | Dipping a salmon.....                                | Gold River.....                  | Fined \$5.00 and costs.                                                                                                    |
| 17 | Arthur Hatt.....      | Setting a net at Stillwater.....                     | Gold River.....                  | In favour of defendant; mistake in identity.                                                                               |

RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—Continued

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NOVA SCOTIA DISTRICT—No. 3—Concluded

| Pros. No. | Name of Offender                                 | Nature of Offence                                                   | Place of Offence              | Result of Prosecution                                                                                                          |
|-----------|--------------------------------------------------|---------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 18        | Frank Mosher.....                                | Dipping for salmon.....                                             | Middle River.....             | Fined \$5.00 and costs.                                                                                                        |
| 19        | Fred Countway.....                               | Dipping for salmon.....                                             | Middle River.....             | Fined \$5.00 and costs.                                                                                                        |
| 20        | W. Fitch.....                                    | Illegal fishing.....                                                | Petite Riviere.....           | Fined \$25.00 and costs.                                                                                                       |
| 21        | Milton Corkum.....                               | Illegal fishing.....                                                | Petite Riviere.....           | Fined \$25.00 and costs.                                                                                                       |
| 22        | Leonard Coleman.....                             | Unlawfully using a net to sweep or fish for salmon or shad.         | Stevens Pool, Nictaux River.. | Fined \$50.00 and share of costs or one month in jail, and had confiscated one net.                                            |
| 23        | Irving Morse.....                                | Unlawfully using a net to sweep or fish for salmon or shad.         | Stevens Pool, Nictaux River.. | Fined \$50.00 and share of costs, or one month in jail, and had confiscated one net. This was the same net as in Pros. No. 22. |
| 24        | Harding Coleman.....                             | Unlawfully using a net to sweep or fish for salmon or shad.         | Stevens Pool, Nictaux River.. | Fined \$50.00 and share of costs or one month in jail, and had confiscated one net. This was the same net as in Pros. No. 22.  |
| 25        | Rolland Young, Angus Levy and Harvey Slaunwhite. | Having lobster traps on board their boat.....                       | Tancook.....                  | Fined \$2.00 each and costs                                                                                                    |
| 26        | Alden Roy.....                                   | Fishing contrary to Sec. 4 (O.C. 17th Mar.) (O.C. 1st April, 1922). | Port Mouton Island.....       | Fined \$50.00 and costs and confiscation of 3 lobster traps.                                                                   |
| 27        | Earl Fisher.....                                 | Contrary to Sec. 4 (O.C. 17th Mar., 1922) (O.C. 1st April, 1922).   | Hunts Point.....              | Fined \$15.00 and costs or 30 days in jail.                                                                                    |

NEW BRUNSWICK—DISTRICT NO. 1—Inspector A. L. BARRY

|   |                            |                                                     |                                           |                                                                                                                          |
|---|----------------------------|-----------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 1 | Albert Henderson.....      | Having illegal lobsters in his possession.....      | Grand Manan.....                          | Fined \$25.00.                                                                                                           |
| 2 | The Mahoney Lumber Co..... | Allowing sawdust to enter Memramcook River....      | Near Calhoun.....                         | Fined \$20.00 and costs.                                                                                                 |
| 3 | Roy MacAllister.....       | Attempting to fish for shad in non-tidal waters.... | Petitcodiac River, near John Addy's Farm. | Fined \$10.00 and costs and had confiscated from him 60 ft. of net and 100 ft. cord rope.                                |
| 4 | C. I. Mills.....           | Attempting to fish for shad non-tidal waters.....   | Petitcodiac River, near John Addy' Farm.  | Fined \$10.00 and costs and had confiscated from him 60 ft. of net and 100 ft. cord rope.                                |
| 5 | Chas. Alward.....          | Attempting to fish for shad non-tidal waters.....   | Petitcodiac River, near John Addy's Farm. | Fined \$10.00 and costs and had confiscated from him 60 ft. of net and 100 ft. cord rope.                                |
| 6 | Wallace McCarthy.....      | Illegal lobster fishing.....                        | McBoyd Head.....                          | Fined \$200.00—Allowed to stand. Had confiscated from him 3 lobster traps, buoys, and 75 fms. lines, 6 lobsters 1 crate. |

|    |                       |                                                         |                                 |                                                                                                                          |
|----|-----------------------|---------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 7  | Vincent McCarthy..... | Illegal lobster fishing.....                            | McBoyd Head.....                | Fined \$200.00—Allowed to stand. Had confiscated from him—3 lobster traps, buoys, and 75 fms. lines, 6 lobsters 1 crate. |
| 8  | Geo. Stewart.....     | Having illegal lobsters in his possession.....          | Near Seal Cove.....             | Fined \$25.00 and costs and had confiscated from him 7 illegal lobsters.                                                 |
| 9  | Freeman Dakin.....    | Having illegal lobsters in his possession.....          | Long Pond, Grand Manan.....     | Fined \$25.00 and costs and confiscated from him 15 illegal lobsters.                                                    |
| 10 | William Dakin.....    | Having illegal lobsters in his possession.....          | Long Pond, Grand Manan.....     | Fined \$25.00 and costs and confiscated from him 15 illegal lobsters.                                                    |
| 11 | Vernon Urquhart.....  | Having illegal lobsters in his possession.....          | Brown's Point Grand Manan..     | Fined \$50.00 and costs and had confiscated from him 63 illegal lobsters.                                                |
| 12 | Harold Foster.....    | Having illegal lobsters in his possession.....          | Grand Harbour.....              | Fined \$50.00 and costs—Allowed to stand.                                                                                |
| 13 | E. L. Conley.....     | Having illegally caught lobsters in his possession..... | St. George.....                 | Fined \$150.00 and costs and confiscated from him 500 lbs. lobsters.                                                     |
| 14 | William York.....     | Illegal lobster fishing.....                            | Gardners' Creek.....            | Fined \$200.00 Allowed to stand.                                                                                         |
| 15 | Roseoe Wilcox.....    | Having illegal lobsters in his possession.....          | Near Wood Island, Grand Manan.  | Fined \$25.00 and costs. Allowed to stand. Had confiscated from him 15 illegal lobsters.                                 |
| 16 | Cecil Wilcox.....     | Having illegal lobsters in his possession.....          | Near Wood Island, Grand Manan.  | Fined \$25.00 and costs. Allowed to stand. Had confiscated from him 15 illegal lobsters.                                 |
| 17 | Hum Fong.....         | Selling undersized lobsters.....                        | King Cafe, St. John.....        | Fined \$25.00. Allowed to stand. Had confiscated 25 boiled lobsters.                                                     |
| 18 | Wilfrid C. Day.....   | Selling undersized lobsters.....                        | Hygienic Fish Market, St. John. | Fined \$25.00.                                                                                                           |
| 19 | Chas. Brown.....      | Illegally fishing for salmon.....                       | Nixon Bridge, Albert Co.....    | Fined \$10.00 and had confiscated from him 1 salmon spear.                                                               |

## NEW BRUNSWICK—DISTRICT NO. 2—INSPECTOR J. F. CALDER

|   |                          |                                                    |                                      |                         |
|---|--------------------------|----------------------------------------------------|--------------------------------------|-------------------------|
| 1 | Valentine Muzzerall..... | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs. |
| 2 | Joseph D. Martin.....    | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs. |
| 3 | Seberin Savoie.....      | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs. |
| 4 | Ernest Durrell.....      | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs. |
| 5 | John C. Martin.....      | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs. |
| 6 | Rae Gibbs.....           | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs. |
| 7 | John Muzzerall.....      | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs. |
| 8 | Edward J. Martin.....    | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs. |

RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—Continued

NEW BRUNSWICK—DISTRICT No. 2—Concluded

| Pros. No. | Name of Offender              | Nature of Offence                                  | Place of Offence                     | Result of Prosecution                                        |
|-----------|-------------------------------|----------------------------------------------------|--------------------------------------|--------------------------------------------------------------|
| 9         | Lawrence Martin.....          | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs.                                      |
| 10        | Lewis Collet.....             | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs.                                      |
| 11        | Rodge Thibideau.....          | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs.                                      |
| 12        | John Muchure.....             | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs.                                      |
| 13        | Wilfrid Thibideau.....        | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs.                                      |
| 14        | Fred Durrell.....             | Setting lobster gear before the season opened..... | Baie Ste. Anne, Parish of Hardwicke. | Fined \$1.00 and costs.                                      |
| 15        | Ben Legere.....               | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 16        | Beno Gallant.....             | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 17        | Clarence Gallant.....         | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 18        | Wright Gibbs.....             | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 19        | Edmore Theriault.....         | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 20        | Anthony Turbid.....           | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 21        | Clarence Jimmo.....           | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 22        | Cyriac Gaudet.....            | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 23        | William J. Manuel.....        | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 24        | Allain Gibbs.....             | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 25        | Cyrice Chiasson.....          | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 26        | Joseph Turbid.....            | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 27        | Mat Sipley.....               | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 28        | Isaac Theriault.....          | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 29        | Angus Tebo.....               | Setting lobster gear before the season opened..... | Pt. Escuminac.....                   | Case withdrawn.                                              |
| 30        | Joseph Savoy.....             | Setting lobster gear before the season opened..... | Baie St. Anne.....                   | Fined \$1.00 and costs.                                      |
| 31        | David Savoy.....              | Setting lobster gear before the season opened..... | Baie Ste. Anne.....                  | Fined \$1.00 and costs.                                      |
| 32        | Bernard Williston.....        | Selling lobsters caught in close season.....       | Bay du Vin.....                      | Fined \$5.00.                                                |
| 33        | Theophile Breau.....          | Fishing for oysters.....                           | Buctouche Bay.....                   | Fined \$30.00 and costs. Suspended sentence.                 |
| 34        | Alderic Melanson.....         | Fishing for oysters.....                           | Buctouche Bay.....                   | Fined \$50.00 and costs. Suspended sentence.                 |
| 35        | Peter Joe and son Philip..... | Fishing for oysters in the close season.....       | Miamichi Bay.....                    | Fined \$1.00 and had confiscated from him 2½ bbls. oysters.  |
| 36        | Octave Duguay.....            | Fishing for lobsters in close season.....          | St. Morin, Shippegan Island.....     | No fine-reprimanded.                                         |
| 37        | Gordon Murdock.....           | Fishing for oysters in close season.....           | Hardwicke.....                       | Fined \$15.00 and had confiscated from him 7½ bbls. oysters. |
| 38        | Melvin McLean.....            | Fishing for oysters in close season.....           | Hardwicke.....                       | Fined \$15.00.                                               |
| 39        | Allen Grogan.....             | Fishing for oysters in close season.....           | Hardwicke.....                       | Fined \$15.00.                                               |

|    |                                          |                                                       |                         |                                            |
|----|------------------------------------------|-------------------------------------------------------|-------------------------|--------------------------------------------|
| 40 | Joseph Washburn.....                     | Neglecting to remove salmon net pickets.....          | Loggieville.....        | Fined \$1.00.                              |
| 41 | Amedee Jones.....                        | Having in possession illegally packed lobsters.....   | Island River.....       | Sentence deferred.                         |
| 42 | William Daley.....                       | Failing to remove salmon picketss in close season..   | Loggieville.....        | Fined \$1.00.                              |
| 43 | Alex. Harding.....                       | Fishing for salmon in close season.....               | Tabusintac River.....   | Fined \$5.00.                              |
| 44 | Allan F. Loggie.....                     | Fishing for salmon with small mesh net.....           | Loggieville.....        | Fined \$10.00 and costs. Allowed to stand. |
| 45 | Alexander Fenton.....                    | Failing to remove salmon pickets at close of season.. | Chatham.....            | Fined \$1.00 and costs.                    |
| 46 | A. G. Wallace.....                       | Violation of weekly close season for salmon fishing.. | Upper Charlotte Co..... | Fined \$5.00 and costs.                    |
| 47 | D. G. Stewart.....                       | Violation of weekly close season for salmon fishing.. | Dalhousie.....          | Fined \$5.00 and costs.                    |
| 48 | Robert McMillan.....                     | Violation of weekly close season for salmon fishing.. | Upper Charlotte Co..... | Fined \$5.00 and costs.                    |
| 49 | Walter Anderson.....                     | Violation of weekly close season for salmon fishing.. | New Mills.....          | Fined \$5.00 and costs.                    |
| 50 | Ross Johnston.....                       | Interfering with an officer.....                      | Tabusintac River.....   | Not guilty.                                |
| 51 | Ross Johnston.....                       | Fishing for salmon in close season.....               | Tabusintac River.....   | Not guilty.                                |
| 52 | Mildred Herbert.....                     | Fishing for salmon in close season.....               | Tabusintac River.....   | Not guilty.                                |
| 53 | Mildred Herbert.....                     | Interfering with an officer.....                      | Tabusintac River.....   | Not guilty.                                |
| 54 | Richard Murphy.....                      | Interfering with an officer.....                      | Tabusintac River.....   | Not guilty.                                |
| 55 | Richard Murphy.....                      | Fishing for salmon in close season.....               | Tabusintac River.....   | Fined \$50.00 and costs.                   |
| 56 | Nicholas Thibodeau.....                  | Fishing for lobsters in close season.....             | Richibucto Cape.....    | Fined \$5.00 and costs.                    |
| 57 | Amedee Thibodeau.....                    | Fishing for lobsters in close season.....             | Richibucto Cape.....    | Fined \$5.00 and costs.                    |
| 58 | Adelard Caissie.....                     | Fishing for lobsters in close season.....             | Richibucto Cape.....    | Fined \$5.00 and costs.                    |
| 59 | Leonard Robertson.....                   | Fishing for salmon in close season.....               | Tabusintac River.....   | Fined \$25.00.                             |
| 60 | Mike Roberson.....                       | Fishing for salmon in close season.....               | Tabusintac River.....   | Fined \$25.00.                             |
| 61 | Clay Williston.....                      | Fishing for smelts without a license.....             | Miramichi River.....    | Fined \$25.00 and costs.                   |
| 62 | Wilfrid Ferguson.....                    | Buying bag-net smelts before opening date.....        | East Point.....         | Fined \$15.00 and costs.                   |
| 63 | D W. Hoegg and Co. per H. J. Gilman..... | Violating weekly close season for salmon fishing....  | Upper Charlotte Co..... | Fined \$10.00.                             |

## NEW BRUNSWICK—DISTRICT No. 3—Inspector, H. E. HARRISON

|    |                         |                                                      |                             |                                                                                                              |
|----|-------------------------|------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| 1  | C. H. Wiggins.....      | Illegal shad fishing.....                            | Washademoak Lake.....       | Fined \$10.00 and costs and had confiscated from him 1 shad net.                                             |
| 2  | Wilfrid Siderquest..... | Water pollution.....                                 | Baird's Brook.....          | Fined \$20.00 and costs.                                                                                     |
| 3  | Lee McCutcheon.....     | Illegal shad fishing.....                            | Washademoak Lake.....       | Fined \$10.00 and costs and had confiscated 1 shad net.                                                      |
| 4  | Gilbert Robinson.....   | Setting net in non-tidal water without a permit .... | Kennebecasis River.....     | Fined \$20.00 and costs and had confiscated from him 1 old net.                                              |
| 5  | Vincent Copp.....       | Fishing without permit and with illegal materials.   | Northwest Miramichi River.. | Action withdrawn on payment of costs by defendant. Had confiscated illegal wire material, 3 grilse, 1 trout. |
| 6  | Burton Norton.....      | Fishing without permit and with illegal materials.   | Northwest Miramiehi River.. | Action withdrawn on payment of costs by defendant.                                                           |
| 7  | Kenneth Henderson.....  | Fishing for salmon wich a net over length.....       | St. John River.....         | Fined \$25.00 and costs. Had confiscated from him 1 salmon net and costs and some wire netting.              |
| 8  | Wilfrid Verett.....     | Water pollution.....                                 | Ledge Stream.....           | Fined \$20.00. Suspended sentence.                                                                           |
| 9  | James Kincadeo.....     | Fishing for shad during closed season.....           | Washademoak Lake.....       | Fined \$10.00 and costs.                                                                                     |
| 10 | Thomas Gill.....        | Water pollution.....                                 | Barnaby River.....          | Fined \$10.00 and costs.                                                                                     |
| 11 | John Guest, Sr.....     | Water pollution.....                                 | Monquart Stream.....        | Fined \$20.00.                                                                                               |

## RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—Continued

## NEW BRUNSWICK—DISTRICT 3—Concluded

| Pros. No. | Name of Offender     | Name of Offence                                      | Place of Offence                  | Result of Prosecution                                                                        |
|-----------|----------------------|------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------|
| 12        | A. G. Sloat.....     | Fishing with a net for salmon without a license....  | St. John River.....               | Fined \$20.00 and costs. Had confiscated 1 salmon net.                                       |
| 13        | James Robinson.....  | Angling for salmon with bait.....                    | Kennebecasis River.....           | Fined \$10.00 and costs and had confiscated from him 1 bamboo rod and line.                  |
| 14        | Harvey Robinson..... | Angling for salmon with bait.....                    | Kennebecasis River.....           | Fined \$10.00 and costs. Had confiscated from him 1 bamboo rod and line.                     |
| 15        | J. J. Jackson.....   | Assisting at angling for salmon with bait and gaff.. | Kennebecasis River.....           | Fined \$10.00 and costs. Had confiscated from him 1 fish gaff.                               |
| 16        | Paul Plourde.....    | Water pollution.....                                 | Four Mile Brook and Little River. | Fined \$20.00 and costs.                                                                     |
| 17        | Sanford Stewart..... | Having illegally caught salmon in his possession.... | Millerton.....                    | Fined \$5.00 and costs and had confiscated from him 228 pounds salmon and 1 Ford automobile. |
| 18        | James Minor.....     | Illegally fishing for salmon.....                    | Southwest Miramichi River..       | Fined \$20.00 and costs. Had confiscated from him 150 feet woven wire.                       |
| 19        | Alexander Pratt..... | Illegally fishing for salmon.....                    | Southwest Miramichi River..       | Fined \$20.00 and costs. Suspended. Had confiscated from him woven wire.                     |
| 20        | Lloyd Gilks.....     | Having in possession illegally caught salmon.....    | Blackville.....                   | Fined \$20.00 and costs. Suspended. Had confiscated from him 2 salmon and 1 salmon net.      |
| 21        | Elvin Holmes.....    | Having in possession illegally caught salmon.....    | Blackville.....                   | Fined \$20.00 and costs. Suspended.                                                          |
| 22A       | Peter Harris.....    | Fishing for salmon with a net without a permit....   | Miramichi River.....              | Fined \$20.00 and costs. Suspended.                                                          |
| 23        | Sellars Fairley..... | Killing salmon with spear and torch.....             | Southwest Miramichi River..       | Fined \$10.00 and costs. Had confiscated 14 salmon, 1 fire basket, 2 spears, 1 canoe.        |
| 24        | Howard Fairley.....  | Killing salmon with spear and torch.....             | Southwest Miramichi River..       | Fined \$10.00 and costs.                                                                     |
| 25        | Leo Solomon.....     | Killing salmon with spear and torch.....             | St. John River.....               | Fined \$5.00 and costs.                                                                      |
| 26        | Frank Gilmore.....   | Drifting with net for salmon.....                    | St. John River.....               | Fined \$10.00 and costs.                                                                     |

## PRINCE EDWARD ISLAND—Inspector, S. T. GALLANT

|   |                     |                                                       |                 |                                                                                  |
|---|---------------------|-------------------------------------------------------|-----------------|----------------------------------------------------------------------------------|
| 1 | Peter Matthews..... | Having lobsters in his possession in close season.... | Alberton.....   | Fined \$100.00 and costs. Given one month to pay during which time the man died. |
| 2 | Alfred Ahearn.....  | Having lobsters in his possession in close season.... | Alberton.....   | Fined \$75.00 and costs.                                                         |
| 3 | Chas. Delory.....   | Having lobsters in his possession in close season.... | Seal River..... | Fined \$20.00 and confiscation of 1 barrel of oysters.                           |

|    |                                 |                                                        |                              |                                                                                                     |
|----|---------------------------------|--------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------|
| 4  | Samuel Fraser.....              | Having lobsters in his possession in close season..... | Alberton.....                | Fined \$50.00 and costs or 30 days in jail and confiscation of 1 case of lobsters.                  |
| 5  | Joseph A. Clement.....          | Having lobsters in possession in close season.....     | Roseville.....               | Fined \$5.00 and costs or 10 days in jail. Suspended sentence. Confiscation of 4 cases of lobsters. |
| 6  | Joseph Clements, Sr.....        | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail. Placed in jail.                                         |
| 7  | Adam Jones.....                 | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail. Placed in jail.                                         |
| 8  | Geo. E. Jones.....              | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail. Placed in jail.                                         |
| 9  | John Jones, Sr.....             | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail.                                                         |
| 10 | John Clements.....              | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail.                                                         |
| 11 | Fred Clements.....              | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail. Sent to jail.                                           |
| 12 | William Jones.....              | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail.                                                         |
| 13 | Albert Jones.....               | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail.                                                         |
| 14 | Frank Jones.....                | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail.                                                         |
| 15 | Fred Jones.....                 | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail.                                                         |
| 16 | C. F. Morrissey.....            | Having lobsters in his possession in close season..... | Black Marsh.....             | Fined \$60.00 and costs or 60 days in jail and had confiscated from him 40 lbs. of lobsters.        |
| 17 | Michael Francis.....            | Obstructing an officer in discharge of duties.....     | Waters-at-Lennox Island..... | Twenty days in jail. Suspended sentence.                                                            |
| 18 | Edward Clements.....            | Having lobsters in possession in close season.....     | Little Miminegash.....       | Fined \$25.00 and costs or 30 days in jail.                                                         |
| 19 | Alfred Genoit, or Jennings..... | Having lobsters in possession in close season.....     | Alberton.....                | Fined \$150.00 and costs or 2 months in jail.                                                       |
| 20 | Geo. Bennett.....               | Having lobsters in possession in close season.....     | Alberton.....                | Fined \$25.00 and costs.                                                                            |
| 21 | Howard Clark.....               | Having lobsters in possession in close season.....     | Alberton.....                | Fined \$65.00.                                                                                      |
| 22 | Joseph Gaudet.....              | Having lobsters in possession in close season.....     | Alberton.....                | Fined \$25.00 and costs.                                                                            |
| 23 | Peter Gavin.....                | Having lobsters in possession in close season.....     | Alberton.....                | Fined \$5.00 and costs.                                                                             |

## MANITOBA—Inspector, J. B. SKATTASSON

|   |                      |                                                                        |                                |                                                              |
|---|----------------------|------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------|
| 1 | J. Weisbrod.....     | Fishing without permit (violating Sec. 1, F.R.)....                    | Whitemud River, Gladstone..... | Fined \$5.00 and costs and confiscated from him 1 dip-net.   |
| 2 | Cyril Timms.....     | Fishing without permit (violating Sec. 1, F.R.)....                    | Whitemud River, Gladstone..... | Suspended sentence. Had confiscated from him 1 dip-net.      |
| 3 | W. Garth.....        | Fishing without permit (violating Sec. 1, F.R.)....                    | Plum Creek, near Oak Lake..... | Fined \$1.00 and costs. Had confiscated 1 hay fork.          |
| 4 | L. Wanlin.....       | Fishing without permit (violating Sec. 1, F.R.)....                    | Plum Creek, near Oak Lake..... | Fined \$1.00 and costs. Had confiscated 1 hay fork.          |
| 5 | S. Sepron.....       | Having in possession pickerel in close season, violating Sec. 29, F.R. | Sandy Hook.....                | Fined \$15.00 and had confiscated from him 15 lbs. pickerel. |
| 6 | John Alston.....     | Fishing during close season, violating Sec. 29, F.R.                   | Souris River, near Melita..... | Fined 50c. and costs.                                        |
| 7 | Harold Cashin.....   | Fishing during close season, violating Sec. 29, F.R.                   | Souris River, near Melita..... | Fined 50c. and costs.                                        |
| 8 | Winston Holden.....  | Fishing during close season, violating Sec. 29, F.R.                   | Souris River, near Melita..... | Fined 50c. and costs.                                        |
| 9 | Robert McJanmet..... | Fishing during close season, violating Sec. 29, F.R.                   | Souris River, near Melita..... | Fined 50c. and costs.                                        |

## RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—Continued

## MANITOBA—Concluded

| Pros. No. | Name of Offender          | Nature of Offence                                                          | Place of Offence                                 | Result of Prosecution                                                                                                                                          |
|-----------|---------------------------|----------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10        | Albert H. Le Vasseur..... | Having sturgeon in possession during close season, violating Sec. 30, F.R. | Lac du Bonnet.....                               | Fined \$10.00 and costs and in default 30 days in jail. Had confiscated from him 1 sturgeon and 2 jackfish.                                                    |
| 11        | Mrs. Rosie Katorin.....   | Illegal possession of pickerel in close season, violating Sec. 29, F.A.    | 448 Magnus Ave., Winnipeg....                    | Fined \$20.00 and had confiscated 16 lbs. pickerel.                                                                                                            |
| 12        | D. Kessler.....           | Illegal possession of pickerel in close season.....                        | 448 Magnus Ave., Winnipeg....                    | Fined \$20.00 and had confiscated 8 lbs. pickerel.                                                                                                             |
| 13        | Mrs. L. Silverberg.....   | Illegal possession of pickerel in close season.....                        | 448 Magnus Ave., Winnipeg....                    | Case dismissed. Had confiscated 2 lbs. pickerel.                                                                                                               |
| 14        | Stephen Sigurdson.....    | Illegal fishing for sturgeon, violating Sec. 30 d and I, F.R.              | Lake Winnipeg, vicinity of Pigeon Point.         | Fined \$10.00 and costs or 30 days in jail, and had confiscated from him 1 sturgeon net 10" mesh.                                                              |
| 15        | Stephen Finsson.....      | Using illegal mesh nets.....                                               | Vicinity of Blackbear Island..                   | Fined \$15.00 or 15 days hard labour, and had confiscated from him 5 gill-nets.                                                                                |
| 16        | Hjortur Goodman.....      | Illegal fishing for sturgeon, violating Sec. 30 d and I, F.R.              | Lake Winnipeg, vicinity of Pigeon Point.         | Fined \$10.00 and costs or 30 days in jail.                                                                                                                    |
| 17        | Andrew Finnbogason.....   | Illegal fishing for sturgeon, violating Sec. 30 d and I, F.R.              | Lake Winnipeg, vicinity of Pigeon Point.         | Fined \$10.00 and costs or 30 days in jail.                                                                                                                    |
| 18        | John Anthony.....         | Using illegal mesh nets.....                                               | Near Sandy Bar.....                              | Fined \$10.00 or 10 days hard labour, and had confiscated 3 gill-nets, 1 skiff.                                                                                |
| 19        | Francis Mackwab.....      | Fishing without license.....                                               | Vicinity of Berens River.....                    | Fined \$20.00 and costs or 30 days hard labour.                                                                                                                |
| 20        | Allan Jonosson.....       | Illegal mesh nets contrary to Sec. 11 (b), F.R....                         | Vicinity of Clements Point..                     | Fined \$5.00 and had confiscated from him 3 gill-nets.                                                                                                         |
| 21        | Stephen Stephanson.....   | Using illegal mesh nets.....                                               | Vicinity of West Doghead....                     | Fined \$1.00 and costs and had confiscated 6 gill-nets.                                                                                                        |
| 22        | Bjarni Olafson.....       | Using illegal mesh nets.....                                               | 3 miles north of Mitchell's Camp.                | Fined \$1.00 and costs and confiscated 8 gill-nets.                                                                                                            |
| 23        | J. Sawanash.....          | Fishing sturgeon without license, violating Sec. 1, F.R.                   | Lake Winnipeg, vicinity Berens River.            | Fined \$20.00 and costs.                                                                                                                                       |
| 24        | Ed. O'Hara.....           | Fishing illegal mesh sturgeon nets, violating Sec. 30 F.R.                 | Pigeon River, vicinity Lake Winnipeg.            | Case dismissed.                                                                                                                                                |
| 25        | Barney O'Hara.....        | Fishing illegal mesh sturgeon nets, violating Sec. 30 F.R.                 | Pigeon River, vicinity Lake Winnipeg.            | Case dismissed.                                                                                                                                                |
| 26        | Peter Karklin.....        | Fishing in the Winnipeg River, violating Sub-sec. E of Sec. 30, F. R.      | Winnipeg River, Lac du Bonnet, above Pine Falls. | Fined \$25.00 and costs or one month in jail and had confiscated from him 538 lbs. sturgeon, 6½ lbs. caviar, 1 yawl, 1 Johnson 2-cylinder outboard gas engine. |
| 27        | Helgi Einarson.....       | Fishing with illegal mesh nets, violating Sec. 14, Sub-sec. 4, F.R.        | Lake Winnipeg, Berens River.                     | Fined \$20.00 and costs and had confiscated from him 10 sturgeon gill-nets.                                                                                    |



|    |                        |                                                               |                                                |                                                                                      |
|----|------------------------|---------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------|
| 28 | W. A. Lund.....        | Using illegal mesh nets violating Sec. 14, Sub-sec. 4, F. R.  | Pigeon River.....                              | Fined \$20.00 and costs and had confiscated from him 7 sturgeon gill-nets.           |
| 29 | Oli Johnson.....       | Using illegal size mesh nets.....                             | Vicinity of Moose Island, Fisher Bay.          | Fined \$1.00 and had confiscated from him 4 gill-nets.                               |
| 30 | Barney Anderson.....   | Using illegal size mesh nets.....                             | Vicinity of Moose Island, Fisher Bay.          | Fined \$1.00 and had confiscated from him 4 gill-nets.                               |
| 31 | John Olafson.....      | Using illegal size mesh nets.....                             | Vicinity of Moose Island, Fisher Bay.          | Fined \$1.00 and had confiscated from him 4 gill-nets.                               |
| 32 | John Murdock.....      | Using illegal size mesh nets.....                             | Vicinity of Moose Island, Fisher Bay.          | Fined \$10.00 or 15 days in jail and had confiscated 2 gill-nets with corks.         |
| 33 | Alex Frederickson..... | Causing to be used one 4½" mesh net.....                      | Clear Water Lake.....                          | Fined \$25.00 and had confiscated from him 1 gill-net, 80 lbs. whitefish, 7 trout.   |
| 34 | D. G. McDonald.....    | Fishing 4½" mesh net, contrary to Sec. 13, Sub-sec. 4B, F. R. | Herb Lake.....                                 | Fined \$20.00 and costs and had confiscated from him 30 boxes of fish, 19 gill-nets. |
| 35 | Alfred Ateah.....      | Fishing illegal mesh nets.....                                | Travers Bay, East of Victoria Beach.           | Fined \$2.00 and had confiscated from him 5 gill-nets.                               |
| 36 | Sandy Campbell.....    | Obstructing passage of fish, Sec. 41, F. Act.....             | Waterhen River, vicinity of Lake Winnipegosis. | \$15.00 and costs.                                                                   |
| 37 | P. B. McLaren.....     | Violation of Sec. 29, Fishery Act.....                        | Rock Lake.....                                 | Fined costs of court.                                                                |
| 38 | Duncan Caughlin.....   | Violation of Sec. 29, Fishery Act.....                        | Rock Lake.....                                 | Fined \$1.00 and costs.                                                              |
| 39 | A. L. Wheeler.....     | Violation of Sec. 29, Fishery Act.....                        | Rock Lake.....                                 | Acquitted.                                                                           |
| 40 | Geo. Avery.....        | Violation of Sec. 29, Fishery Act.....                        | Rock Lake.....                                 | Fined costs of court.                                                                |
| 41 | Archie Marriion.....   | Obstructing passage of fish, Fishery Act 41.....              | Waterhen River, vicinity of Lake Winnipegosis. | Fined \$10.00 and costs and had confiscated from him 4 nets.                         |
| 42 | Barney Isfeld.....     | Using illegal mesh nets (violating Sec. 9, Sub-sec. D)        | Sandy Bay, N.E. of Amaranth                    | Fined \$20.00 and had confiscated from him 20 gill-nets.                             |
| 43 | Eric Isfeld.....       | Using illegal mesh nets (violating Sec. 9, Sub-sec. D)        | Sandy Bay, N.E. of Amaranth                    | Fined \$10.00 and costs and had confiscated from him 4 gill-nets.                    |
| 44 | Barney Isfeld.....     | Using illegal mesh nets (violating Sec. 9, Sub-sec. D)        | Sandy Bay, N.E. of Amaranth                    | Fined \$50.00 and costs and had confiscated from him 25 gill-nets.                   |

## SASKATCHEWAN.—Inspector, G. C. McDONALD

|   |                      |                                                                  |                                  |                                 |
|---|----------------------|------------------------------------------------------------------|----------------------------------|---------------------------------|
| 1 | Tony Luitz.....      | Fishing in close season contrary to Sec. 21 of the Regulations.  | Near Valhalla Island, Long Lake. | Fined \$1.00 or 7 days in jail. |
| 2 | Philip Schropp.....  | Fishing in close season contrary to Sec. 21 of the Regulations.  | Near Valhalla Island, Long Lake. | Fined \$1.00 or 7 days in jail. |
| 3 | Philip Selinger..... | Fishing in close season contrary to Sec. 21 of the Regulations.  | Near Valhalla Island, Long Lake. | Fined \$1.00 or 7 days in jail. |
| 4 | Mike Burkart.....    | Fishing in close season, contrary to Sec. 21 of the Regulations. | Near Valhalla Island, Long Lake. | Fined \$1.00 or 7 days in jail. |
| 5 | Leo Selinger.....    | Fishing in close season, contrary to Sec. 21 of the Regulations. | Near Valhalla Island, Long Lake. | Fined \$1.00 or 7 days in jail. |
| 6 | Chas. Ell.....       | Fishing in close season, contrary to Sec. 21 of the Regulations. | Near Valhalla Island, Long Lake. | Fined \$1.00 or 7 days in jail. |
| 7 | Frank Thomas.....    | Fishing in close season, contrary to Sec. 21 of the Regulations. | Near Valhalla Island, Long Lake. | Fined \$1.00 or 7 days in jail. |

# RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—Continued

SASKATCHEWAN—Concluded

| Pros. No. | Name of Offender     | Nature of Offence                                                         | Place of Offence                         | Result of Prosecution                                                       |
|-----------|----------------------|---------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------|
| 8         | Geo. Schropp.....    | Fishing in close season, contrary to Sec. 21 of the Regulations           | Near Valhalla Island, Long Lake          | Fined \$1.00 or 7 days in jail.                                             |
| 9         | Bill Lozinsky.....   | Having in possession pike contrary to Sec. 29 of F.R.                     | Sec. 7, Tp. 29, Rge. 4, W. 2nd Mer.      | Fined \$20.00 or 30 days in jail, and had confiscated 1 pike partly cooked. |
| 10        | Gus Ivers.....       | Having in possession pike contrary to Sec. 29 of the Fishery Regs.        | Sec. 25, Tp. 33, Rge. 12, W. of 2nd Mer. | Fined \$4.00 and costs and had conf. from him 1 pike.                       |
| 11        | W. Lackmaull.....    | Having in possession pike contrary to Sec. 29 of the Fishery Regs.        | Sec. 12, Tp. 29, Rge. 5, W. of 2nd Mer.  | Fined \$10.00 and costs and conf. from him 1 pike.                          |
| 12        | M. Spichen.....      | Having in possession pike contrary to Sec. 29 of the Fishery Regs.        | Sec. 6, Tp. 29, Rge. 4, W. of 2nd Mer.   | Fined \$10.00 and costs and had conf. from him 1 pickerel.                  |
| 13        | Mike Secundiak.....  | Having in possession 1 pike, 1 pickerel, contrary to Sec. 29, Fish. Regs. | Sec. 34, Tp. 30, Rge. 6, W. of 2nd Mer.  | Fined \$5.00 and costs and conf. from him 1 pickerel, 1 pike.               |
| 14        | Jan Koawetz.....     | Having in his possession pike contrary to Sec. 29, F. Regs.               | Sec. 24, Tp. 30, Rge. 6, W. of 2nd Mer.  | Fined \$5.00 and costs.                                                     |
| 15        | Metro Secundiak..... | Having pickerel in his possession contrary to Sec. 29, Fish. Regs.        | Sec. 24, Tp. 30, Rge. 6, W. of 2nd Mer.  | Fined \$5.00 and costs.                                                     |
| 16        | Steve Krawetz.....   | Having in his possession pike contrary to Sec. 29 of the Fish. Regs.      | Sec. 24, Tp. 30, Rge. 6, W. of 2nd Mer.  | Fined \$1.00 and costs.                                                     |
| 17        | Henry Yeak.....      | Using dip-net without license contrary to Sec. 1, Fish. Regs.             | Souris River, Weyburn.....               | Fined \$5.00 and costs and had conf. from him 1 dip-net.                    |
| 18        | Ludwig-Bohn.....     | Using dip-net without license contrary to Sec. 1, Fish. Regs.             | Souris River, Weyburn.....               | Fined \$5.00 and costs and had conf. from him 1 dip-net.                    |
| 19        | Chas. Shoulak.....   | Using dip-net without license contrary to Sec. 1, Fish. Regs.             | Souris River, Weyburn.....               | Fined \$5.00 and costs and had conf. from him 1 dip-net.                    |
| 20        | Stephen Kohot.....   | Using dip-net without license contrary to Sec. 1, Fish. Reg.              | Souris River, Weyburn.....               | Fined \$5.00 and costs and had conf. from him 1 dip-net.                    |
| 21        | Albert Dow.....      | Using dip-net without license contrary to Sec. 1, Fish. Regs.             | Souris River, Weyburn.....               | Fined \$5.00 and costs and had conf. from him 1 dip-net.                    |
| 22        | Geo. Reddick.....    | Fishing in closed season contrary to Sec. 21 of the Regs.                 | Near Regina Beach.....                   | Fined \$3.00 and had conf. from him 10 lbs. pickerel.                       |
| 23        | H. Hildson.....      | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.          | Regina Beach.....                        | Fined \$3.00.                                                               |
| 24        | B. Robertson.....    | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.          | Regina-Beach.....                        | Fined \$3.00.                                                               |
| 25        | B. H. Wilson.....    | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.          | Regina-Beach.....                        | Fined \$3.00.                                                               |
| 26        | Wm. Stephens.....    | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.          | Swift Current Creek.....                 | Fined \$2.00 and costs.                                                     |
| 27        | Joe English.....     | Fishing in closed season contrary to Sec. 21 of the Fish. Regs.           | Swift Current Creek.....                 | Fined \$5.00 and costs.                                                     |
| 28        | James Wood.....      | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.          | Swift Current Creek.....                 | Fined \$10.00 and costs.                                                    |

|    |                             |                                                                                                |                                                              |                                                                                                         |
|----|-----------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 29 | Joe Gorry.....              | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.                               | Swift Current Creek.....                                     | Fined \$5.00 and costs.                                                                                 |
| 30 | Ben Princeston.....         | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.                               | Long Lake near Vale-port....                                 | Fined \$10.00 and costs.                                                                                |
| 31 | Geo. Barre or Joe Barr..... | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.                               | Long Lake near Vale-port....                                 | Fined \$10.00 and costs.                                                                                |
| 32 | Joe Moist or Most.....      | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.                               | Long Lake near Vale-port....                                 | Fined \$10.00 and costs.                                                                                |
| 33 | Joe Zerr.....               | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.                               | Long Lake near Vale-port....                                 | Fined \$10.00 and costs.                                                                                |
| 34 | J. Wood.....                | Fishing in closed season, contrary to Sec. 21 of the Fish. Regs.                               | Long Lake near Vale-port....                                 | Fined \$10.00 and costs.                                                                                |
| 35 | Alex Lemaire.....           | Fishing with nets of less mesh than 5½" stretched measure, cont. to Sec. 17 of the Spec. Regs. | Lac Pelletier.....                                           | Fined \$10.00 and costs and had conf. from him 1-20 ft Seine net and 20 lbs. whitefish, 2 lbs. of pike. |
| 36 | Alex Lemaire.....           | Permitting nets not numbered, nor marked, contrary to Sec. 15 of the Spec. Fish. Regs.         | Lac Pelletier.....                                           | Fined \$2.00 and costs and had conf. from him 50 yds. gill-net.                                         |
| 37 | David Klassen.....          | Fishing with illegal apparatus viz.: wire traps, contrary to Sec. 27 of the Spec. Fish. Regs.  | Swift Current Creek.....                                     | Fined \$5.00 and costs and conf. from him 1 box of wire traps.                                          |
| 38 | Addie Klassen.....          | Fishing with illegal apparatus viz.: wire traps, contrary to Sec. 27 of the Spec. Fish. Regs.  | Swift Current Creek.....                                     | Fined \$5.00 and costs and conf. from him 1 box of wire traps.                                          |
| 39 | Jack Friesen.....           | Fishing with illegal apparatus viz.: wire traps, contrary to Sec. 27 of the Spec. Fish. Regs.  | Swift Current Creek.....                                     | Fined \$5.00 and costs and conf. from him 1 box of wire traps.                                          |
| 40 | Henry Poitras.....          | Using snare contrary to Sec. 27, Fish. Regs.                                                   | Katepwe Dam, N.W. ¼ Sec. 27, Tp. 19, Rge. 12, W. of 2nd Mer. | Fined \$1.00 and costs and had conf. 1 snare.                                                           |
| 41 | F. M. Grier.....            | Using illegal mesh net, contrary to Sub-Sec. 1 of Sec. 11, Fish. Regs.                         | Round Lake.....                                              | Fined \$5.00 and costs and had conf. 1 gill-net.                                                        |
| 42 | Matti Stom.....             | Having in possession fish contrary to Sec. 29, Fish. Regs.                                     | Percival, Tp. 24, Sec. 16, Rge. 4, W. of 2nd Mer.            | Fined \$20.00 and cost and had conf. 7 gill-nets and 150 lbs. tullibee.                                 |
| 43 | Roger Nabiss.....           | Failing to number net as required, Sec. 3, Fish. Regs.                                         | Pasqua Lake.....                                             | Fined \$1.00 and costs and had conf. 25 lbs. tullibee, 1 gill-net.                                      |
| 44 | Pegan.....                  | Using illegal mesh net contrary to sub-sec. 1 of Sec. 11.                                      | Pasqua Lake.....                                             | Fined \$1.00 and costs and had conf from him 5 yds. gill-net.                                           |
| 45 | Alex Keynotech.....         | Fishing without license or permit contrary to Sec. 2, Para 1 of the Regs.                      | Whitefish Lake.....                                          | Fined 50c. and costs.                                                                                   |
| 46 | George Stewart.....         | Fishing without license or permit contrary to Sec. 2, Para 1 of the Regs.                      | Whitefish Lake.....                                          | Fined 50c. and costs.                                                                                   |
| 47 | Geo. Morin.....             | Fishing without license or permit contrary to Sec. 2, Para 1 of the Regs.                      | Whitefish Lake.....                                          | Fined 50c. and costs.                                                                                   |
| 48 | Thomas Whitefish.....       | Fishing without license or permit contrary to Sec. 2, Para 1 of the Regs.                      | Whitefish Lake.....                                          | Fined 50c. and costs.                                                                                   |
| 49 | Ernest Joseph.....          | Fishing without license or permit contrary to Sec. 2, Para 1 of the Regs.                      | Long Lake.....                                               | Fined 50c. and costs.                                                                                   |
| 50 | Buster Bear.....            | Fishing without license or permit contrary to Sec. 2, Para 1 of the Regs.                      | Long Lake.....                                               | Fined 50c. and costs.                                                                                   |
| 51 | Geo. Whitefish.....         | Fishing without license or permit contrary to Sec. 2, Para 1 of the Regs.                      | Long Lake.....                                               | Fined 50c. and costs.                                                                                   |
| 52 | Thor Johnson.....           | Fishing during close season.....                                                               | Ile a la Crosse Lake.....                                    | Fined \$50 and had con. from him 220 lbs. whitefish and 180 lbs. pike, and 3 gill-nets.                 |

## RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—Continued

ALBERTA—Inspector R. T. ROBB

| Pros. No. | Name of Offender        | Nature of Offence                                                            | Place of Offence                 | Result of Prosecution                                                    |
|-----------|-------------------------|------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------|
| 1         | Rosedale Mining Co..... | Pollution of a stream by permitting mine refuse to enter.                    | The Red Deer River.....          | Fined \$10.00 and costs.                                                 |
| 2         | Star Mining Co.....     | Pollution of a stream by permitting mine refuse to enter.                    | The Red Deer River.....          | Fined \$10.00 and costs.                                                 |
| 3         | Edward Clark.....       | Fishing without a license.....                                               | Lesser Slave Lake.....           | Fined \$15.00.                                                           |
| 4         | Frederick Bordynuk..... | Fishing in the close season with a net of illegal mesh                       | Red Deer River, near New-castle. | Fined \$5.00 and costs and had conf. from him 1 gill-net.                |
| 5         | Paul Kwiczak.....       | Fishing in the close season with a net of illegal mesh                       | Red Deer River, near New-castle. | Fined \$5.00 and costs and had conf. from him 1 gill-net.                |
| 6         | Steve Serna.....        | Fishing without license.....                                                 | Jackfish Lake, near Bellis.....  | Fined \$3.00.                                                            |
| 7         | Pete Warawuk.....       | Fishing without license.....                                                 | Jackfish Lake, near Bellis.....  | Fined \$3.00.                                                            |
| 8         | Frederick Pekes.....    | Fishing with a net in prohibited waters without a license.                   | Burntwood Lake.....              | Fined \$25.00 and costs and had conf. from him 1 gill-net.               |
| 9         | Cuddy Lumber Co.....    | Depositing sawdust and mill rubbish.....                                     | Athabasca River.....             | Fined \$10.00 and costs.                                                 |
| 10        | Lars Peterson.....      | Fishing with light contrary to Sec. 29, F.R.....                             | Sylvan Lake.....                 | Fined \$1.00 and costs.                                                  |
| 11        | John Smith.....         | Fishing with light contrary to Sec. 29, F.R.....                             | Sylvan Lake.....                 | Fined \$1.00 and costs.                                                  |
| 12        | Alfred Gulbe.....       | Fishing with a net in prohibited waters without a license.                   | Burntwood Lake.....              | Fined \$10.00 and costs, had conf. from him 1 gill-net.                  |
| 13        | Rudolph Pekse.....      | Fishing with a net in prohibited waters without a license.                   | Burntwood Lake.....              | Suspended sentence on payment of cost of court by def.                   |
| 14        | W. A. Vaughn.....       | Having trout under 9" contrary to Sec. 34, Sp. Fish. Regs.                   | South Fork off Old Man River     | Fined \$10.00 and costs and had conf. 1 greenheart rod, 7 rainbow trout. |
| 15        | Union Packing Co.....   | Pollution of stream by putting manure from the yard into it.                 | Nose Creek near Calgary.....     | Fined \$20.00 and costs.                                                 |
| 16        | R. A. McIvor.....       | Killing fish under the legal size.....                                       | Elbow River near Bragg Creek     | Fined \$5.00. Had conf. from him 1 fishing rod.                          |
| 17        | J. Lottus.....          | Using net contrary to Sec. 1, Fish. Regs.                                    | Belly River, Lethbridge.....     | Fined \$2.00 and costs and had conf. from him 1 net and 6 coarse fish.   |
| 18        | M. Swedish.....         | Using net contrary to Sec. 1, Fish. Regs.....                                | Belly River, Lethbridge.....     | Fined \$2.00 and costs and had conf. from him 1 net and 6 coarse fish.   |
| 19        | Edgar Duckett.....      | Fishing with small mesh net contrary to Para. 1, Sec. 11 of Spec. Fish. Reg. | Moose Lake.....                  | Fined \$5.00 and costs and had conf. from him 3 nets.                    |
| 20        | Ivan McNeil.....        | Fishing with small mesh nets contrary to Para. 1, Sec. 11, Spec. Fish. Regs. | Moose Lake.....                  | Fined \$5.00 and costs and had conf. 1 gill-net.                         |
| 21        | Wm. Hislop.....         | Fishing with small mesh nets contrary to Para. 1, Sec. 11 Spec. Fish. Regs.  | Moose Lake.....                  | Fined \$5.00 and costs and had conf. 1 gill-net.                         |
| 22        | F. B. Shepersky.....    | Assisting angler to fish without permit contrary to Sec. 32 (a) Spec. Regs.  | Cold Lake.....                   | Fined \$10.00 and costs.                                                 |
| 23        | B. Salander.....        | Fishing without angling permit.....                                          | Cold Lake.....                   | Fined \$10.00 and costs.                                                 |

|    |                         |                                                                                                   |                                         |                                                                                     |
|----|-------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|
| 24 | R. Chartier.....        | Selling fish under Domestic Lic. contrary to Sec. 2, Para. 8 (b).                                 | Cold Lake.....                          | Case dismissed.                                                                     |
| 25 | O. J. Woods.....        | Angling without permit contrary to Sec. 1—A. Fish. Regs.                                          | Beaver Creek near Spring Point          | Fined \$5.00 and costs and had conf. from him 15 trout.                             |
| 26 | Fred Perkins.....       | Having undersized trout contrary to Sec. 2 A. Fish. Regs.                                         | Beaver Creek near Spring Point          | Fined \$5.00 and cost. and had conf. from him 13 small trout and 11 over 9"         |
| 27 | Joseph Elliot.....      | Angling in a closed stream.....                                                                   | Pekisko Creek.....                      | Fined \$50.00 and costs. Suspended sentence condition he leaves place.              |
| 28 | Jack Miler.....         | Fishing in a closed lake contrary to Sub-sec. 9 of Sec. 14, Spec. Regs.                           | Cottage Lake.....                       | Fined \$5.00 and costs.                                                             |
| 29 | J. Whiteley.....        | Killing fish under legal size.....                                                                | Elbow River, near Pirmez Creek.         | Fined \$3.00 and confiscation of 1 fishing rod and tackle.                          |
| 30 | Alvin O. Rich.....      | Angling without a permit contrary to Sec. 1, para. (b) of Alta. Regs.                             | Belly River, near Hillspring.           | Fined \$5.00 and costs and confiscation of 1 rod and leader.                        |
| 31 | John Bodik.....         | Using a net for coarse fish with 2½-inch mesh net contrary to Sec. 11, para. 3, Spec. Fish. Regs. | Lethbridge.....                         | Had confiscated from him 1 net and costs of court.                                  |
| 32 | Edward Campbell.....    | Angling without a permit, contrary to Sec. 32 of Spec. Fish. Regs.                                | Belly River, Hillspring.....            | Fined \$5.00 and costs and had confiscated from him 1 binder whip used as rod.      |
| 33 | Fay W. Liddle.....      | Angling without a permit, contrary to Sec. 32 of Spec. Fish. Regs.                                | Belly River, Hillspring.....            | Fined \$5.00 and costs and had confiscated from him 1 rod.                          |
| 34 | Edwin Smith.....        | Angling without a permit, contrary to Sec. 32 of Spec. Fish. Regs.                                | Belly River, Hillspring.....            | Fined \$5.00 and costs and had confiscated from him 3-jointed steel rod.            |
| 35 | Louis Lavelle.....      | Fishing in close season.....                                                                      | Lac La Biche.....                       | Not guilty. Had confiscated from him 2 gill-nets. Returned to defendant.            |
| 36 | Geo. Bourque.....       | Fishing in close season.....                                                                      | Lac La Biche.....                       | Not guilty. Had confiscated from him 2 gill-nets. Returned to defendant.            |
| 37 | Sylvestre Bourque.....  | Fishing in close season.....                                                                      | Lac La Biche.....                       | Not guilty. Had confiscated from him 3 gill-nets. Returned to defendant.            |
| 38 | Louis Bouvier.....      | Fishing in close season.....                                                                      | Lac La Biche.....                       | Not guilty. Had confiscated from him 3 gill-nets. Returned to defendant.            |
| 39 | Alphonse Bourque.....   | Fishing in close season.....                                                                      | Lac La Biche.....                       | Not guilty. Had confiscated from him 3 gill-nets. Returned to defendant.            |
| 40 | Narcisse Ladouceur..... | Fishing during close season.....                                                                  | Lac La Biche.....                       | Not guilty. Had confiscated from him 2 gill-nets. Returned to defendant.            |
| 41 | Arthur Huppé.....       | Fishing during close season.....                                                                  | Lac La Biche.....                       | Not guilty. Had confiscated from him 2 gill-nets. Returned to defendant.            |
| 42 | R. Trombly.....         | Fishing during close season.....                                                                  | Lac La Biche.....                       | Not guilty. Had confiscated from him 3 gill-nets. Returned to defendant.            |
| 43 | Elie Crause.....        | Angling without permit contrary to Sec. 1 (b) Fish. Regs.                                         | Carpenter Creek, near Twin Butte.       | Fined \$5.00 and costs. Had confiscated from him 1 willow pole and hook.            |
| 44 | Geo. Jones.....         | Angling without permit contrary to Sec. 32 (a) of Fish. Regs.                                     | Big Bend—Belly River, near Hillspring.  | Fined \$5.00 and costs and had confiscated from him 1 bamboo pole.                  |
| 45 | A. Brillian.....        | Having illegal gill-net.....                                                                      | Lesser Slave Lake.....                  | Fined \$20.00 or 21 days in jail. Had confiscated from him 3 gill-nets.             |
| 46 | Pat McDermett.....      | Fishing with 3 illegal gill-nets.....                                                             | Narrows, Lesser Slave Lake, Swan River. | Fined \$20.00, no costs, one month in jail. Had confiscated from him 3 gill-nets.   |
| 47 | C. R. McKenzie.....     | Fishing with illegal gill-nets.....                                                               | Lesser Slave Lake.....                  | Fined \$20.00 or one month in jail and had confiscated from him 103 pounds of fish. |

RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—Continued

ALBERTA—Concluded

| Pros. No. | Name of Offender                | Nature of Offence                                       | Place of Offence                   | Result of Prosecution                                               |
|-----------|---------------------------------|---------------------------------------------------------|------------------------------------|---------------------------------------------------------------------|
| 48        | J. Brillon.....                 | Fishing without a license.....                          | White Fish River.....              | Fined \$25.00 and had confiscated from him fish and nets.           |
| 49        | J. Brillon.....                 | Fishing in closed season.....                           | White Fish River.....              | Fined \$25.00 and had confiscated from him fish and nets.           |
| 50        | J. Brillon.....                 | Obstructing Mink Creek with wire-netting.....           | Mink Creek, White Fish Lake No. 2. | Fined \$35.00 and costs and had confiscated from him fish and nets. |
| 51        | Pat McDermott.....              | Fishing in closed season.....                           | Whitefish River.....               | Fined \$25.00.                                                      |
| 52        | Pat McDermott.....              | Fishing without a license.....                          | Whitefish River.....               | Fined \$25.00 and costs.                                            |
| 53        | Frank O. Lette.....             | Fishing in closed season.....                           | Mink Creek.....                    | Fined \$20.00.                                                      |
| 54        | Frank O. Lette.....             | Fishing without a license.....                          | Mink Creek.....                    | Fined \$20.00 and costs.                                            |
| 55        | Joe McDermott.....              | Fishing in closed season.....                           | Whitefish River.....               | Fined \$20.00.                                                      |
| 56        | Joe McDermott.....              | Fishing without a license.....                          | Whitefish River.....               | Fined \$20.00 and costs.                                            |
| 57        | David Bottle.....               | Fishing in closed season.....                           | Mink Creek.....                    | Fined \$20.00 and costs.                                            |
| 58        | Peter Shaw.....                 | Fishing without a license.....                          | Mink River.....                    | Fined \$20.00 and costs.                                            |
| 59        | Peter Shaw.....                 | Fishing in closed season.....                           | Mink River.....                    | Fined \$20.00.                                                      |
| 60        | T. Randell.....                 | Fishing in closed season.....                           | Big Whitefish Lake.....            | Fined \$20.00 and had confiscated from him 1 gill-net.              |
| 61        | The Rosedeer Mine.....          | Pollution of stream by permitting mine refuse to enter. | Rosebud Creek, Wayne.....          | Fined \$40.00 (reduced to \$5.00) and costs.                        |
| 62        | Superior Grade Coal Co.....     | Pollution of stream by permitting mine refuse to enter. | Rosebud Creek, Wayne.....          | Fined \$40.00 (reduced to \$1.00) and costs.                        |
| 63        | The Sovereign Coal Mining Co... | Pollution of stream by permitting mine refuse to enter. | Rosebud Creek, Wayne.....          | Fined \$20.00 (reduced to \$1.00) and costs.                        |
| 64        | The Ideal Mine.....             | Pollution of stream by permitting mine refuse to enter. | Rosebud Creek, Wayne.....          | Fined \$20.00 (reduced to \$1.00) and costs.                        |
| 65        | J. Bellrose, Jr.....            | Fishing with illegal net.....                           | Snipe Lake.....                    | Fined \$10.00 and confiscated from him 7 gill-nets.                 |
| 66        | Frank Murphy.....               | Fishing with illegal size mesh net.....                 | Lac La Biche.....                  | Fined \$10.00 and costs and had confiscated 1 gill-net.             |

BRITISH COLUMBIA—Chief Inspector Major J. A. MOTHERWELL

DISTRICT No. 1—Inspector A. P. HALMDAY

|   |                   |                                                                |                           |                         |
|---|-------------------|----------------------------------------------------------------|---------------------------|-------------------------|
| 1 | H. Hewett.....    | Fishing in closed areas.....                                   | Campbell River.....       | Fined \$2.50 and costs. |
| 2 | H. Hansen.....    | Assisting in salmon gill-net fishing without having a license. | Fraser River.....         | Fined \$15 and costs.   |
| 3 | J. C. Taylor..... | Fishing in closed areas—Little Pinantan Lake.....              | Little Pinantan Lake..... | Fined \$5.              |
| 4 | C. Taylor.....    | Fishing in closed areas—Little Pinantan Lake.....              | Little Pinantan Lake..... | Fined \$5.              |

|     |                        |                                                                                  |                                     |                                                       |
|-----|------------------------|----------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| 5   | J. F. Mobley.....      | Fishing in closed areas—Little Pinantan Lake.....                                | Little Pinantan Lake.....           | Fined \$5.                                            |
| 4A  | Nick Zavagali.....     | Catching trout under 8 inches in size.....                                       | McKay Creek.....                    | Fined \$10 and costs                                  |
| 5A  | G. Broder.....         | Fishing in that portion of Capilano River known as "The Pool."                   | Capilano River.....                 | Fined \$5 and costs.                                  |
| 6   | George Canary.....     | (1) Capturing more trout in one day than allowed by law.                         | Trout Lake.....                     | Fined \$25 and costs.                                 |
|     |                        | (2) Capturing and having in possession, trout under 8 inches in length.          | Trout Lake.....                     | Fined \$10 and costs.                                 |
| 6A  | Lum (Chinese).....     | Having undersized crabs in possession.....                                       | Vancouver.....                      | Fined \$25 and costs.                                 |
| 7   | T. Terada.....         | Having in possession undersized sturgeon.....                                    | New Westminster.....                | Fined \$5.                                            |
| 8   | Mike Ludwig.....       | Spearing salmon.....                                                             | Salmon River, near Silver Creek.    | Fined \$2 and costs.                                  |
| 9   | Irving J. Wilson.....  | Spearing salmon.....                                                             | Salmon River, near Silver Creek.    | Fined \$2 and costs.                                  |
| 10  | W. Cameron.....        | Spearing salmon.....                                                             | Nicola River.....                   | Fined \$10. Spear and wire snare confiscated.         |
| 11  | C. Ardure.....         | Taking trout less than 8 inches in length and not returning same to water.       | Six Mile Lake.....                  | Fined \$10 and fishing gear confiscated.              |
| 11A | R. Goodwin.....        | Non-resident fishing without permit.....                                         | Capilano River.....                 | Fined \$2.50 and costs.                               |
| 12  | T. Deferro.....        | Taking trout less than 8 inches in length and not returning same to water.       | Six Mile Lakes.....                 | Fined \$10 and fishing gear confiscated.              |
| 12A | R. Wight.....          | Using salmon roe while fishing in Capilano River..                               | Capilano River.....                 | Fined \$2.50 and costs.                               |
| 13  | Wm. Kennedy.....       | Taking trout less than 8" in length and not returning same to water.             | Six Mile Lakes.....                 | Fined \$10.00 and fishing gear confiscated.           |
| 13A | S. B. Johnson.....     | Taking and killing more than 25 trout in one day..                               | Capilano River.....                 | Fined \$1 and costs.                                  |
| 14  | O. Shigemoto.....      | Capturing and having in possession undersized sturgeon.                          | Fraser River, New Westminster.      | Fined \$1 and costs. Two small sturgeon confiscated.  |
| 14A | S. B. Johnson.....     | Catching trout under 8" in length and not returning same to water.               | Capilano River.....                 | Fined \$15.00 and costs. Fishing gear confiscated.    |
| 15  | M. W. Regan.....       | Fishing in closed area—Nicomekl River.....                                       | Nicomekl River.....                 | Guilty. No fine.                                      |
| 16  | W. S. Perkins.....     | Fishing in closed area—Nicomekl River.....                                       | Nicomekl River.....                 | Guilty. No fine.                                      |
| 17  | Wong Fong.....         | Having in possession undersized sturgeon.....                                    | New Westminster.....                | Fined \$10.00 and costs.                              |
| 18  | S. Kowade.....         | Having in possession undersized sturgeon.....                                    | Fraser Mills.....                   | Fined \$10.00 and costs. Rod and line confiscated.    |
| 15A | George Grundy.....     | Operating gill-net without licenses.....                                         | Burrard Inlet.....                  | Fined \$5.00 and costs.                               |
| 16A | Edway Snider.....      | Operating gill-net within 200 yards of mouth of Seymour River...                 | Seymour River.....                  | Fined \$25.00 and costs. Boat and net confiscated.    |
| 17A | Edway Snider.....      | Operating gill-net without license.....                                          | Seymour River.....                  | Fined \$25.00 and costs.                              |
| 19  | Thos. Moen.....        | Fishing during weekly closed season.....                                         | Fraser River.....                   | Fined \$15.00 and costs. Boat and gear confiscated.   |
| 20  | Pete Hawlreshen.....   | Catching Kokanee on their spawning grounds.....                                  | Nine Mile Creek, West Arm Kootenay. | Fined \$10.00 and costs.                              |
| 21  | Joseph Biolkowski..... | Catching Kokanee on their spawning grounds.....                                  | Nine Mile Creek, West Arm Kootenay. | Fined \$5.00 and costs.                               |
| 22  | W. J. Brown.....       | Illegally fishing for Kokanee—see Sec. 21, sub-section 20.                       | Chute Creek.....                    | Fined \$10.00 and costs. Gaff and dipnet confiscated. |
| 23  | J. Robinson.....       | Illegally fishing for Kokanee, see sec. 21, sub-section 20, Fishery Regulations. | Trepanier Creek.....                | Fined \$1.00 and costs.                               |
| 24  | Ernes Roper.....       | Snaring salmon.....                                                              | Campbell River dam.....             | Fined \$10.00 and costs.                              |

## RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—Continued

## BRITISH COLUMBIA—DISTRICT No. 1—Concluded

| Pros. No. | Name of Offender             | Name of Offence                                              | Place of Offence        | Result of Prosecution                                                               |
|-----------|------------------------------|--------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|
| 25        | Carl Lashey.....             | Stoning salmon.....                                          | Campbell River dam..... | Fined \$10.00 and costs.                                                            |
| 26        | Geo. Fillenger.....          | Attempting to gaff salmon.....                               | Campbell River.....     | Fined \$10.00 and costs.                                                            |
| 27        | G. Yamamoto.....             | Fishing in closed areas.....                                 | Silver Creek.....       | Fined \$10.00 and costs.                                                            |
| 27 A      | J. Gunderson.....            | Fishing for salmon with oversized net.....                   | Howe Sound.....         | Fined \$25.00 and costs.                                                            |
| 28        | Jimmy Charles (Indian).....  | Selling fish caught under permit for food purposes only.     | White Rock.....         | Fined \$15.00 and costs. Salmon confiscated.                                        |
| 29        | Vancouver Shell Fish Co..... | Buying salmon from an Indian in contravention of Section 15. | Vancouver.....          | Case dismissed. Salmon confiscated.                                                 |
| 29 A      | P. Anderson.....             | Having in possession shellfish prohibited by law..           | Barnet.....             | Fined \$25.00 and cost of court.                                                    |
| 30        | John Hegeman.....            | Having in possession trout during close season...            | Fish Lake.....          | Fined \$25.00 and costs of court and confiscation of small keg containing 10 trout. |

## DISTRICT No. 2.—Inspector A. MACKIE

|    |                        |                                                                |                         |                                                       |
|----|------------------------|----------------------------------------------------------------|-------------------------|-------------------------------------------------------|
| 1  | Leo Goldfish.....      | Fishing for salmon with set net.....                           | Skeena River.....       | Fined \$30.00.                                        |
| 2  | Roy Herman.....        | Fishing for salmon with set net.....                           | Skeena River.....       | Fined \$30.00.                                        |
| 3  | Paul Benson.....       | Fishing for salmon with set net.....                           | Skeena River.....       | Fined \$30.00.                                        |
| 4  | Yejo J. Kaakinen.....  | Fishing with gill-net above commercial boundary.               | Skeena River.....       | Fined \$5.00.                                         |
| 5  | Palo, Vaino.....       | Fishing with gill-net above commercial boundary.               | Skeena River.....       | Fined \$10.00.                                        |
| 6  | Mankichi Teramoto..... | Fishing in weekly closed time.....                             | Skeena River.....       | Fined \$15.00.                                        |
| 7  | H. Sigurdson.....      | Fishing in weekly closed time.....                             | Skeena River.....       | Fined \$10.00.                                        |
| 8  | Tani Shazo.....        | Fishing without license.....                                   | Skeena River.....       | Fined \$15.00.                                        |
| 9  | Heihei Kitagawa.....   | Carrying greater length of net than allowed by law             | Skeena River.....       | Fined \$10.00 and 70 fath. net confiscated.           |
| 10 | Mansuke Fujimoto.....  | Fishing with 54" mesh net before season opened.                | Skeena River.....       | Fined \$25.00.                                        |
| 11 | Moritoro Okano.....    | Fishing during weekly closed season.....                       | Naas River.....         | Fined \$10.00.                                        |
| 12 | Gilbert Martin.....    | Fishing during weekly closed season.....                       | Naas River.....         | Fined \$10.00.                                        |
| 13 | O. Aune.....           | Fishing with set net.....                                      | Labouchere Channel..... | Fined \$25.00 and costs.                              |
| 14 | H. Caspersen.....      | Fishing with set net.....                                      | Labouchere Channel..... | Fined \$25.00 and costs.                              |
| 15 | F. Gerlang.....        | Fishing with set net.....                                      | Labouchere Channel..... | Fined \$25.00 and costs.                              |
| 16 | E. Iversen.....        | Fishing with set net.....                                      | Labouchere Channel..... | Fined \$25.00 and costs.                              |
| 17 | Geo. Sheaves.....      | Fishing with set net.....                                      | S. Bontinck Arm.....    | Dismissed.                                            |
| 18 | T. Hamada.....         | Fishing for salmon with a net without a license...             | Chatham Sound.....      | Fined \$150.00 and costs. Fishing gear confiscated.   |
| 19 | Y. Takiki.....         | Fishing for salmon with a net without a license...             | Skeena River.....       | Fined \$150.00 and costs. Fishing gear confiscated.   |
| 20 | S. Kano.....           | Fishing for salmon with a net without a license...             | Skeena River.....       | Fined \$150.00 and costs.                             |
| 21 | U. Stushikura.....     | Fishing for salmon with a net without a license...             | Chatham Sound.....      | Fined \$150.00 and costs.                             |
| 22 | W. R. Campbell.....    | Fishing for salmon with seine less than 125 fathoms in length. | Shwatlans.....          | Fined \$25.00 and costs.                              |
| 23 | D. Suzuki.....         | Carrying a greater length of net than allowed by license.      | Chatham Sound.....      | Fined \$150.00 and costs. 97 fathoms net confiscated. |



|    |                               |                                                                           |                               |                                                     |
|----|-------------------------------|---------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------|
| 24 | James Duffy                   | Fishing with gill-net exceeding 200 fathoms.                              | Smiths Inlet                  | Fined \$100.00.                                     |
| 25 | R. MacLeod                    | Fishing with gill-net exceeding 200 fathoms.                              | Smiths Inlet                  | Fined \$100.00.                                     |
| 26 | Karasuke Kariya               | Not carrying license on boat while fishing.                               | Naas River                    | Fined \$5.00.                                       |
| 27 | Yosokichi Sokugawa            | Not carrying license on boat while fishing.                               | Naas River                    | Fined \$5.00.                                       |
| 28 | Denjiro Takonaka              | Not carrying license on boat while fishing.                               | Naas River                    | Fined \$5.00.                                       |
| 29 | Kojiro Shoji                  | Not carrying license on boat while fishing.                               | Naas River                    | Fined \$5.00.                                       |
| 30 | T. Omura                      | Not carrying license on boat while fishing.                               | Naas River                    | Fined \$5.00.                                       |
| 31 | Okuzo Tsujihata               | Not carrying license on boat while fishing.                               | Naas River                    | Fined \$5.00.                                       |
| 32 | Otomatsu Fujimoto             | Not carrying license on boat while fishing.                               | Naas River                    | Fined \$5.00.                                       |
| 33 | Kuichi Shirakawa              | Not carrying license while fishing.                                       | Naas River                    | Fined \$5.00.                                       |
| 34 | Yasuki Shimahara              | Not carrying license while fishing.                                       | Naas River                    | Fined \$5.00.                                       |
| 35 | Ole Skog                      | Using purse-seine as set net.                                             | Black Point, Warke Canal      | Case dismissed.                                     |
| 36 | C. F. Johnstone               | Trolling for salmon without a license.                                    | Tide Rip Island               | Fined \$10.00.                                      |
| 37 | James Patience                | Fishing for salmon with long net.                                         | Koeve River                   | Fined \$50.00; 25-fathom net confiscated.           |
| 38 | P. Jerome                     | Fishing for salmon during weekly closed season.                           | Fitzhugh Sound                | Fined \$25.00.                                      |
| 39 | John Penny                    | Fishing for salmon during weekly closed season.                           | Smiths Inlet                  | Fined \$20.00.                                      |
| 40 | Fred Barbour                  | Fishing for salmon during weekly closed season.                           | Rivers Inlet                  | Fined \$10.00.                                      |
| 41 | A. Svetable                   | Fishing for salmon during weekly closed season.                           | Rivers Inlet                  | Fined \$10.00.                                      |
| 42 | Hans Ottesen                  | Having salmon net tied to that of H. Baardsen.                            | Smiths Inlet                  | Fined \$100.00.                                     |
| 43 | Helmar Baardsen               | Having salmon gill-net tied to that of H. Ottesen.                        | Smiths Inlet                  | Fined \$100.00.                                     |
| 44 | J. George                     | Fishing with salmon gill-net during weekly closed season.                 | Smiths Inlet                  | Fined \$10.00.                                      |
| 45 | W. Proctor                    | Allowed part of salmon net inside boundaries.                             | Quashella Creek               | Fined \$25.00.                                      |
| 46 | Einar Martinson               | Allowed part of salmon net inside boundaries.                             | Quashella Creek               | Fined \$25.00.                                      |
| 47 | Harry McKay                   | Gill-netting salmon during weekly closed season.                          | Smiths Inlet                  | Fined \$20.00.                                      |
| 48 | J. Skjegstad                  | Allowed part of salmon net inside boundaries.                             | Quashella Creek               | Fined \$10.00.                                      |
| 49 | J. B. Inversen                | Carrying in his boat a greater length of net than allowed by his license. | Chatham Sound                 | Fined \$25.00 and costs; 47-fathom net confiscated. |
| 50 | Rinso Minato                  | Carrying in his boat a greater length of net than allowed by his license. | Chatham Sound                 | Fined \$25.00 and costs.                            |
| 51 | Christian Einarson            | Fishing for salmon with set net.                                          | Skeena River                  | Fined \$30.00 and costs.                            |
| 52 | W. J. Walker                  | Fishing for salmon during weekly closed season.                           | Skeena River                  | Fined \$15.00 and costs.                            |
| 53 | R. J. Duval                   | Fishing for salmon with long net.                                         | Chatham Sound                 | Fined \$25.00 and costs.                            |
| 54 | Roger Mallory                 | Fishing for salmon with long net.                                         | Chatham Sound                 | Fined \$25.00 and costs.                            |
| 55 | Keikichi Izumi                | Fishing for salmon with long net.                                         | Chatham Sound                 | Fined \$25.00 and costs.                            |
| 56 | Ole Osberg                    | Fishing for salmon during weekly closed season.                           | Chatham Sound                 | Prosecution withdrawn.                              |
| 57 | Arthur Johnson                | Fishing for salmon during weekly closed season.                           | Chatham Sound                 | Prosecution withdrawn.                              |
| 58 | Rinso Minato                  | Fishing for salmon during weekly closed season.                           | Chatham Sound                 | Dismissed.                                          |
| 59 | Kumekichi Ito                 | Fishing for salmon during weekly closed season.                           | Chatham Sound                 | Dismissed.                                          |
| 60 | Keikichi Izumi                | Fishing for salmon during weekly closed season.                           | Chatham Sound                 | Dismissed.                                          |
| 61 | Southern Freighters, Ltd.     | Casting net a few minutes before 6 p.m. Sunday.                           | Khutzeymateen Inlet           | Dismissed.                                          |
| 62 | B.C. Fish & Packing Co., Ltd. | Fishing above tidal boundaries.                                           | Steep Point Bay, Laredo Sound | Dismissed.                                          |
| 63 | Chris Morsund                 | Fishing above tidal boundaries.                                           | Steep Point Bay, Laredo Sound | Dismissed.                                          |
| 64 | Ernest Broch                  | Salmon gill-net tied to beach.                                            | Quashella Creek               | Fined \$50.00.                                      |
| 65 | A. Baekie                     | Fishing with salmon gill-net above boundaries.                            | Rivers Inlet                  | Fined \$50.00 and net confiscated.                  |
| 66 | Jacobsen                      | Fishing with salmon gill-net above boundaries.                            | Rivers Inlet                  | Fined \$50.00. Unable to pay. Two months in gaol.   |
| 67 | Jacobsen                      | Wilfully resisting fishery officer in execution of duties.                | Rivers Inlet                  | Fined \$100.00. Unable to pay. Four months in gaol. |

RETURN showing the Details of Prosecutions for Offences against the Fisheries Act during the Fiscal Year 1927-28—*Concluded.*

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BRITISH COLUMBIA—DISTRICT NO. 2—*Concluded*

| Pros. No. | Name of Offender                 | Nature of Offence                                              | Place of Offence                    | Result of Prosecution                        |
|-----------|----------------------------------|----------------------------------------------------------------|-------------------------------------|----------------------------------------------|
| 68        | E. Samson.....                   | Fishing for salmon with gill-net when such fishing prohibited. | Bay near Tracy, Is. Portland Inlet. | Fined \$25.00 and fishing gear confiscated.  |
| 69        | One Nakamura.....                | Fishing during weekly closed period.....                       | Naas River.....                     | Fined \$5.00.                                |
| 70        | Yasugito Oliguchi.....           | Fishing during weekly closed period.....                       | Naas River.....                     | Fined \$5.00.                                |
| 71        | Taichi Machida.....              | Fishing during weekly closed period.....                       | Naas River.....                     | Fined \$5.00.                                |
| 72        | Ed. Stanley.....                 | Removing fresh salmon from above tidal boundary                | Naas River.....                     | Dismissed.                                   |
| 73        | Ben Self.....                    | Fishing for salmon without a license.....                      | Rawlanson Anchor.....               | Fined \$25.00 and 40-fathom net confiscated. |
| 74        | John Erickson.....               | Fishing during weekly closed season.....                       | Rivers Inlet.....                   | Fined \$25.00.                               |
| 75        | Gosse Packing Co.....            | Fishing within boundary, Cliff River.....                      | Dean Channel.....                   | Fined \$200.00 and costs.                    |
| 76        | Canadian Fishing Co.....         | Fishing within boundary, Elcho Harbour.....                    | Dean Channel.....                   | Fined \$200.00 and costs.                    |
| 77        | Isaac Sankey.....                | Bringing fresh salmon below tidal boundary.....                | Khutzeymateen Inlet.....            | Dismissed.                                   |
| 78        | David Hayward.....               | Bringing fresh salmon below tidal boundary.....                | Khutzeymateen Inlet.....            | Dismissed.                                   |
| 79        | Charles M. Ryan.....             | Bringing fresh salmon below tidal boundary.....                | Khutzeymateen Inlet.....            | Dismissed.                                   |
| 80        | Luke Car.....                    | Found with seine-purse in prohibited area.....                 | Goose Bay, Selwyn Inlet.....        | Dismissed.                                   |
| 81        | B.C. Fishing & Packing Co., Ltd. | Illegal possession of salmon.....                              | Walker Lake Cy.....                 | Dismissed.                                   |
| 82-100    | Gosse Packing Co., Ltd.....      | Fishing during closed period.....                              | Salmon Bay.....                     | Dismissed.                                   |
| 101       | Gosse Packing Co., Ltd.....      | Illegal possession of salmon.....                              | Namu Cannery.....                   | Dismissed.                                   |
| 102       | Gosse Packing Co., Ltd.....      | Illegal possession of salmon.....                              | Bella Bella Cy.....                 | Dismissed.                                   |
| 103       | B.C. Fishing & Packing Co., Ltd. | Fishing during closed period.....                              | District No. 2.....                 | Dismissed.                                   |
| 122       |                                  |                                                                |                                     |                                              |
| 123       | Ben Self.....                    | Fishing for salmon without a license.....                      | Rawlanson Anchor.....               | Appeal allowed and fine returned.            |
| 124       | John Wick.....                   | Fishing for salmon without a license.....                      | Rawlanson Anchor.....               | Fined \$50.00 and \$100.00 costs.            |
| 125       | Silas Brown.....                 | Selling salmon above a tidal boundary.....                     | Kitwanga.....                       | Fined \$15.00 and costs.                     |

BRITISH COLUMBIA—DISTRICT No. 3—Inspector A. J. TAYLOR

|    |                                  |                                                      |                          |                                         |
|----|----------------------------------|------------------------------------------------------|--------------------------|-----------------------------------------|
| 1  | Alex Hulkunem.....               | Contravention of Sec. 21 (2).....                    | Cowichan River.....      | Fined \$5.00.                           |
| 2  | C. Koyanage.....                 | Contravention of Sec. 21 (2).....                    | Cowichan River.....      | Fined \$5.00 and costs.                 |
| 3  | Tommy Paul.....                  | Contravention of Sec. 21 k (1).....                  | Saanich Arm.....         | Fined \$15 and costs.                   |
| 4  | Chief Peter Dick and Willie Jack | Contravention of Sec. 21 (q).....                    | Chee-what River.....     | Fined \$1.00 in each case, salmon conf. |
| 5  | Russell Hetzler.....             | Contravention of sec. 6 (b).....                     | Stuart Island.....       | Fined \$25.00.                          |
| 6  | Eric Wickham.....                | Contravention of sec. 21.....                        | Nitinat Arm.....         | Fined \$15 and costs.                   |
| 7  | Dan Woodward.....                | Contravention of Sec. 2 (a) Reg. and Sec. 50 of Act. |                          | Fined \$5.00 and \$1.00 costs.          |
| 8  | Alfred Johnson.....              | Contravention of Sec. 21, subsec. 17.....            | Sauchenauch Creek.....   | Fined \$50.00.                          |
| 9  | Harry Moon.....                  | Contravention of Sec. 15, subsec. 1 (a).....         | Hayden Bay.....          | Dismissed.                              |
| 10 | Josiah Russell.....              | Contravention of Sec. 21, Subsec. 17.....            | Sauchenauch Creek.....   | Fined \$25 and costs.                   |
| 11 | A. Martinolich.....              | Contravention of Sec. 21, subsec. 19.....            | Uchucklesit Harbour..... | Fined \$175 and costs.                  |
| 12 | Ole Lee.....                     | Contravention of Sec. 24, Subsec. 2 (B).....         | Sauchenauch Creek.....   | Fined \$25 and costs.                   |
| 13 | John Salo.....                   | Contravention of Sec. 22. 7.....                     | Wakeman Sound.....       | Fined \$100.00.                         |

|    |                                                                                                                  |                                                                                        |                      |                                                                              |
|----|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------|
| 14 | Victor Ferrario.....                                                                                             | Contravention of Sec. 15, Subsec. 1a.....                                              | Salmon River.....    | Fined \$100.00.                                                              |
| 15 | Martin Arnet.....                                                                                                | Contravention of Sec. 21, Subsec. 17(a).....                                           | Sarita River.....    | Fined \$200 and costs, license cancelled.                                    |
| 16 | R. E. B. Hunt and F. Duffy.....                                                                                  | Contravention of Sec. 21.....                                                          | Nahwitti River.....  | Dismissed.                                                                   |
| 17 | Gilbert Francis.....                                                                                             | Contravention of Sec. 21, subsec. 17 (a).....                                          | Homalka River.....   | Fined \$50.                                                                  |
| 18 | Frederick Bruce Spicher.....                                                                                     | Contravention sec. 15, Subsec. 4 and Sec. 29, Sub-<br>sec. 1.                          | MacKenzie Sound..... | Dismissed, 321 salmon confiscated.                                           |
| 19 | Dan Watts.....                                                                                                   | Contravention Sec. 2, para B. of sec. 24.....                                          | Barclay Sound.....   | Fined \$25 and costs, 85 salmon conf.                                        |
| 20 | Fred Kline.....                                                                                                  | Contravention of sec. 24, 2b.....                                                      | Pender Harbour.....  | Fined \$20.00.                                                               |
| 21 | Dave Paul.....                                                                                                   | Contravention of sec. 21, subsec. 17 (a).....                                          | Orford Bay.....      | Fined \$50 and costs.                                                        |
| 22 | Victor Ferrario.....                                                                                             | Contravention of sec. 21, subsec. 19.....                                              | Port Neville.....    | Dismissed.                                                                   |
| 23 | Tahsis Packing Co., Ltd.....                                                                                     | Contravention of sec. 24, para. 4 (a) and (d).....                                     | Nootka Sound.....    | Fined \$25.00 on each charge, purse-seine<br>and salmon confiscated.         |
| 24 | Michael Brown.....                                                                                               | Contravention of Sec. 21, subsec. 17 (a).....                                          | Coleman Creek.....   | Dismissed.                                                                   |
| 25 | Ernest Silvey.....                                                                                               | Contravention of Sec. 21, Subsec. 17 (a).....                                          | Jervis Inlet.....    | Fined \$60 and costs, license cancelled.                                     |
| 26 | R. Tabata & Co.....                                                                                              | Contravention of Order in Council, July 24, 1922,<br>P.C. 1552 (Fish Curing).          | Jesse Island.....    | Fined \$100 and costs.                                                       |
| 27 | Ralph Birdwhistle.....                                                                                           | Contravention of Sec. 21, Subsec. 21, Fish Regs....                                    | Victoria, B.C.....   | Fined \$10.00 and costs. Conf. cod and<br>salmon.                            |
| 28 | North West Fisheries, Davies<br>Island Plant.....                                                                | Contravention of para. 7 and 3 Order in Council of<br>July 24, 1922, P.C. 1552.        | Davis Island.....    | Fined \$15.00 and \$5.00 and costs.                                          |
| 29 | Harry Marsden.....                                                                                               | Contravention of Sec. 21, Subsec. 2 and Sec. 29,<br>Subsec. 1.                         | Deep Water Bay.....  | Fined \$25.00 on each count.                                                 |
| 30 | Thomas Liston.....                                                                                               | Contravention of Sec. 29 of Fish. Act in the vicinity<br>of Nanaimo.                   | Nanaimo.....         | Fined \$1.00 and license cancelled and<br>conf. of 1 gill net and 3 codfish. |
| 31 | Toshigusa Hama.....                                                                                              | Contravention of Sec. 29 of Fish. Act in the vicinity<br>of Nanaimo.                   | Nanaimo.....         | Fined \$1.00 each and costs.                                                 |
| 32 | Geo. Reynolds.....                                                                                               | Contravention of Sec. 29 of Fish Act in the vicinity<br>of Nanaimo.                    | Nanaimo.....         | Fined \$1.00 each and costs.                                                 |
| 33 | Eugene Philion, Fred Larson, S.<br>Barrow, A. E. Ralf, Chas. E.<br>Stratton, John Johnstone, Ed.<br>Scaplen..... | Contravention of Sec. 2, Subsec. 1 Fish. Regs.....                                     | Saanich.....         | Fined \$1.00 each and costs.                                                 |
| 34 | Chief Jonny.....                                                                                                 | Contravention of Sec. 21, Subsec. 17 (a) Regs....                                      | Rupert Arm.....      | Fined \$25.00.                                                               |
| 35 | H. J. Stump.....                                                                                                 | Contravention of Sec. 24, Subsec. 1 of the Regs....                                    | Embley Lagoon.....   | Fined \$400.00.                                                              |
| 36 | Botel (Whiskers).....                                                                                            | Contravention of Sec. 24, Subsec. 2 B. of the Regs                                     | Ingersoll River..... | Fined \$10.00.                                                               |
| 37 | Botel (Whiskers).....                                                                                            | Contravention of Sec. 24, Subsec. 2 B. of the Regs                                     | Ingersoll River..... | Case dismissed.                                                              |
| 38 | John Buema.....                                                                                                  | Contravention of Sec. 15, Subsec. 1A, 29, Sub-sec. 1<br>and 21 of Subsec. 2.           | Pender Harbour.....  | Fined \$5.00, \$5.00 and \$2.50 respectively<br>and costs.                   |
| 39 | J. W. Johnstone.....                                                                                             | Contravention of Sec. 29, Subsec. 1 and 21, Sub-<br>sec. 2.                            | Pender Harbour.....  | Fined \$5.00 and \$5.00 respectively and<br>costs.                           |
| 40 | George Simpson.....                                                                                              | Contravention of Sec. 15, Subsec. 1a, Sec. 29, Sub-<br>sec. 1 and 21, Sub. sec. 2..... | Pender Harbour.....  | Fined \$5.00, \$5.00 and \$2.50 respectively<br>and costs.                   |
| 41 | Donald Keen.....                                                                                                 | Contravention of Sec. 15, Subsec. 1a, Sec. 29, Sub-<br>sec. and 21, Subsec. 2.         | Pender Harbour.....  | Fined \$5.00, \$5.00 and \$2.50 respectively<br>and costs.                   |
| 42 | Maynard Dubois.....                                                                                              | Contravention of Sec. 15, Sub-sec. 1 A, Sec. 29, Sub-<br>sec. 1 and 21, Subsec. 2      | Pender Harbour.....  | Fined \$5.00, \$5.00 and \$2.50 respectively<br>and costs.                   |
| 43 | Dalton A. Burt.....                                                                                              | Contravention of Sec. 29, Sub-sec. 1, Subsec. 2....                                    | Pender Harbour.....  | Fined \$5.00 and \$5.00 respectively and<br>costs.                           |
| 44 | Alex. Thompson.....                                                                                              | Contravention of Sec. 29, Subsec. 1, Subsec. 2.....                                    | Pender Harbour.....  | Fined \$5.00 and \$5.00 respectively and<br>costs.                           |
| 45 | Mikal Christianson.....                                                                                          | Contravention of Sec. 29, Subsec. 1, Subsec. 2.....                                    | Pender Harbour.....  | Fined \$5.00 and \$5.00 respectively and<br>costs.                           |

## APPENDIX No. 9

STATEMENT OF EXPENDITURE AND REVENUE, BY PROVINCES IN FISHERIES  
SERVICES 1867-1927 UNDER DOMINION GOVERNMENT

|                                          | SUMMARY | Expenditure   | Revenue                  |
|------------------------------------------|---------|---------------|--------------------------|
| Nova Scotia.....                         |         | 4,175,528 24  | 312,588 31               |
| Prince Edward Island.....                |         | 677,542 46    | 95,562 72                |
| New Brunswick.....                       |         | 3,263,922 18  | 538,434 45               |
| Quebec.....                              |         | 2,425,604 18  | 341,069 29               |
| Ontario.....                             |         | 3,214,671 13  | 520,135 96               |
| Manitoba and N.W.T.....                  |         | 23,414 29     | 4,779 25                 |
| Manitoba.....                            |         | 1,573,435 25  | 268,564 58               |
| N. W. Territories.....                   |         | 58,258 58     | 9,775 23                 |
| Alberta.....                             |         | 317,057 94    | 158,124 48               |
| Saskatchewan.....                        |         | 483,944 10    | 81,550 64                |
| British Columbia.....                    |         | 10,078,488 93 | 2,574,271 02             |
| Yukon.....                               |         | 29,343 94     | 10,292 75                |
| Hudson Bay Dist.....                     |         |               | 821 83                   |
| <i>Cruisers</i>                          |         |               |                          |
| N.S., P.E.I. and N.B.....                |         | 4,741,985 72  |                          |
|                                          |         | 31,063,196 94 |                          |
| <i>Expenditures General</i> .....        |         | 2,905,060 46  |                          |
| <i>Fishing Bounty—</i><br>1867-1927..... |         | 33,968,257 40 |                          |
|                                          |         | 41,247,161 61 | Total Expt.<br>1867-1927 |

## FISHING BOUNTIES

| Year         | Nova Scotia  | New Brunswick | Prince Edward Island | Quebec       | Totals       |
|--------------|--------------|---------------|----------------------|--------------|--------------|
| 1882.....    | \$106,098 72 | \$16,997 00   | \$18,137 00          | \$33,052 75  | \$172,285 47 |
| 1883.....    | 89,432 50    | 12,395 20     | 8,577 14             | 19,940 01    | 130,344 85   |
| 1884.....    | 104,934 09   | 13,576 00     | 9,230 96             | 28,004 93    | 155,718 98   |
| 1885.....    | 103,999 73   | 15,908 25     | 10,166 65            | 31,464 76    | 161,539 39   |
| 1886.....    | 98,789 54    | 17,894 57     | 10,935 87            | 33,283 61    | 160,903 59   |
| 1887.....    | 99,662 03    | 19,699 65     | 12,528 51            | 31,907 73    | 163,757 92   |
| 1888.....    | 89,778 90    | 18,454 92     | 9,092 96             | 32,858 75    | 150,185 53   |
| 1889.....    | 90,142 51    | 21,026 79     | 13,994 53            | 33,362 71    | 158,526 54   |
| 1890.....    | 91,235 64    | 21,108 33     | 11,686 32            | 34,210 72    | 158,241 01   |
| 1891.....    | 92,377 42    | 17,235 96     | 12,771 30            | 34,507 17    | 156,891 85   |
| 1892.....    | 109,410 39   | 10,864 61     | 9,782 79             | 29,694 35    | 159,752 14   |
| 1893.....    | 108,060 67   | 12,524 09     | 9,328 62             | 28,320 72    | 158,234 10   |
| 1894.....    | 111,460 03   | 12,690 80     | 7,875 79             | 28,040 18    | 160,066 80   |
| 1895.....    | 110,765 27   | 12,919 32     | 9,285 13             | 30,598 27    | 163,567 99   |
| 1896.....    | 98,048 95    | 13,602 88     | 9,745 50             | 32,992 44    | 154,389 77   |
| 1897.....    | 102,083 50   | 13,454 50     | 9,809 00             | 32,157 00    | 157,504 00   |
| 1898.....    | 103,730 00   | 13,746 00     | 10,188 00            | 31,795 00    | 159,459 00   |
| 1899.....    | 106,598 50   | 13,514 50     | 7,822 00             | 32,065 00    | 160,000 00   |
| 1900.....    | 101,448 00   | 13,562 50     | 10,589 00            | 33,203 00    | 158,802 50   |
| 1901.....    | 101,024 50   | 13,420 50     | 8,335 50             | 33,161 50    | 155,942 00   |
| 1902.....    | 100,455 70   | 14,555 80     | 8,716 55             | 36,125 45    | 159,853 50   |
| 1903.....    | 99,714 15    | 14,872 75     | 9,652 50             | 34,704 30    | 158,943 70   |
| 1904.....    | 99,286 44    | 15,110 80     | 9,179 35             | 33,651 65    | 157,228 24   |
| 1905.....    | 100,664 35   | 15,379 50     | 8,317 20             | 34,185 60    | 158,546 65   |
| 1906.....    | 99,518 80    | 16,247 55     | 8,839 40             | 34,410 00    | 159,015 75   |
| 1907.....    | 93,381 70    | 16,454 50     | 10,175 95            | 36,101 35    | 156,113 50   |
| 1908.....    | 98,156 20    | 17,203 75     | 9,708 90             | 34,931 05    | 159,999 90   |
| 1909.....    | 95,413 60    | 15,480 15     | 8,973 85             | 35,354 25    | 155,221 85   |
| 1910.....    | 96,468 20    | 16,531 05     | 9,557 80             | 36,609 70    | 159,166 75   |
| 1911.....    | 99,424 90    | 15,795 00     | 8,669 85             | 36,109 95    | 159,999 70   |
| 1912.....    | 97,904 25    | 15,109 75     | 11,119 00            | 35,863 40    | 159,996 40   |
| 1913.....    | 93,456 00    | 16,385 05     | 11,081 85            | 37,738 35    | 158,661 25   |
| 1914.....    | 94,990 54    | 17,536 50     | 10,339 65            | 36,717 45    | 159,584 14   |
| 1915.....    | 90,611 05    | 17,609 95     | 9,513 95             | 41,006 10    | 158,741 05   |
| 1916.....    | 88,212 10    | 17,540 15     | 9,961 95             | 44,285 60    | 159,999 80   |
| 1917-18..... | 86,115 60    | 17,538 35     | 10,754 75            | 45,484 40    | 159,893 10   |
| 1918-19..... | 85,000 65    | 17,114 35     | 10,392 35            | 47,167 90    | 159,675 25   |
| 1919-20..... | 85,521 05    | 16,085 20     | 8,702 20             | 44,828 25    | 155,136 70   |
| 1920-21..... | 93,873 00    | 13,773 70     | 8,110 70             | 36,761 90    | 152,519 30   |
| 1921-22..... | 91,410 20    | 14,640 60     | 9,413 00             | 43,986 00    | 159,449 80   |
| 1922-23..... | 93,254 45    | 16,311 25     | 7,704 40             | 39,902 45    | 157,172 55   |
| 1923-24..... | 91,261 55    | 16,123 25     | 10,153 65            | 42,378 35    | 159,916 80   |
| 1924-25..... | 86,300 20    | 15,634 05     | 11,410 15            | 46,482 00    | 159,826 40   |
| 1925-26..... | 82,550 35    | 18,824 30     | 10,670 70            | 47,939 45    | 159,984 80   |
| 1926-27..... | 83,006 90    | 16,721 00     | 13,221 55            | 46,818 65    | 159,768 10   |
| 1927-28..... | 82,107 00    | 19,906 80     | 12,095 45            | 44,266 55    | 158,375 80   |
|              | 4,427,099 82 | 729,081 47    | 464,292 22           | 1,658,430 70 | 7,278,904 21 |

STATEMENT SHOWING THE ANNUAL EXPENDITURE ON ACCOUNT OF MARINE  
POLICE SERVICE ON THE ATLANTIC COASTS OF CANADA FOR PATROLLING  
THE TERRITORIAL FISHERIES 1870-1874 INCLUSIVE

|           |    |         |       |
|-----------|----|---------|-------|
| 1870..... | \$ |         |       |
| 1871..... |    | 73,550  | 86    |
| 1872..... |    | 50,123  | 24    |
| 1873..... |    | 53,794  | 90    |
| 1874..... |    | 15,364  | 69    |
|           |    |         | <hr/> |
|           |    | 192,833 | 69    |

During the period 1875 to 1885, inclusive, the Washington Treaty, which gave United States fishermen the use of Canadian Inshore fisheries, was in force.

On the expiry of the Fishery Articles of the Treaty of Washington, the present Fisheries Protection Service was organized in 1886. The following is a statement of the annual expenditure on such account from 1886 to 1927-28 inclusive.

FISHERIES PROTECTION SERVICE

In addition to Cruisers, entered under Ontario, Quebec and British Columbia:—

|           |    |         |    |
|-----------|----|---------|----|
| 1886..... | \$ | 104,020 | 98 |
| 1887..... |    | 86,300  | 74 |
| 1888..... |    | 59,869  | 47 |
| 1889..... |    | 47,748  | 94 |
| 1890..... |    | 51,296  | 34 |
| 1891..... |    | 81,918  | 99 |
| 1892..... |    | 84,305  | 51 |
| 1893..... |    | 60,269  | 69 |
| 1894..... |    | 70,501  | 71 |
| 1895..... |    | 61,310  | 19 |
| 1896..... |    | 64,064  | 00 |
| 1897..... |    | 71,349  | 44 |
| 1898..... |    | 78,097  | 10 |
| 1899..... |    | 68,330  | 27 |
| 1900..... |    | 66,148  | 97 |
| 1901..... |    | 96,648  | 26 |
| 1902..... |    | 75,942  | 24 |
| 1903..... |    | 75,543  | 60 |
| 1904..... |    | 103,427 | 32 |
| 1905..... |    | 294,440 | 34 |
| 1906..... |    | 136,432 | 61 |
| 1907..... |    | 99,015  | 07 |

(No proper division of the expenditure of these roving Cruisers could be made between the Maritime Provinces, although *pro rata* shares are fairly chargeable to N.S., N.B., and P.E.I.)

|              |    |           |       |
|--------------|----|-----------|-------|
| 1908-09..... | \$ | 114,923   | 00    |
| 1909-10..... |    | 113,582   | 23    |
| 1910-11..... |    | 116,235   | 21    |
| 1911-12..... |    | 120,240   | 00    |
| 1912-13..... |    | 163,370   | 19    |
| 1913-14..... |    | 225,113   | 26    |
| 1914-15..... |    | 95,702    | 02    |
| 1915-16..... |    | 102,637   | 46    |
| 1916-17..... |    | 132,393   | 60    |
| 1917-18..... |    | 118,824   | 16    |
| 1918-19..... |    | 56,256    | 78    |
| 1919-20..... |    | 218,143   | 93    |
| 1920-21..... |    | 227,159   | 57    |
| 1921-22..... |    | 172,003   | 39    |
| 1922-23..... |    | 107,658   | 85    |
| 1923-24..... |    | 95,332    | 27    |
| 1924-25..... |    | 95,714    | 47    |
| 1925-26..... |    | 98,060    | 10    |
| 1926-27..... |    | 113,804   | 14    |
| 1927-28..... |    | 125,015   | 62    |
|              |    |           | <hr/> |
|              |    | 4,741,985 | 72    |

A pro-rate share of this amount is chargeable to the Provinces of N.S., N.B., and P.E.I.

STATEMENT SHOWING THE ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE SINCE CONFEDERATION

PROVINCE OF PRINCE EDWARD ISLAND

| Year    | General Service | Cruisers | Fish Breeding | Total      | Revenue   |
|---------|-----------------|----------|---------------|------------|-----------|
|         | \$              |          | \$            | \$         | \$        |
| 1867    |                 |          |               |            |           |
| 1868    |                 |          |               |            |           |
| 1869    |                 |          |               |            |           |
| 1870    |                 |          |               |            |           |
| 1871    |                 |          |               |            |           |
| 1872    |                 |          |               |            |           |
| 1873    |                 |          |               |            |           |
| 1874    | 405 62          |          |               | 405 62     |           |
| 1875    | 459 54          |          |               | 459 54     |           |
| 1876    | 461 02          |          |               | 461 02     |           |
| 1877    | 1,974 70        |          |               | 1,974 70   |           |
| 1878    | 1,836 54        |          |               | 1,836 54   |           |
| 1879    | 1,293 25        |          |               | 1,293 25   |           |
| 1880    | 2,686 49        |          | 4,494 24      | 7,180 83   | 40 00     |
| 1881    | 2,691 49        |          | 852 11        | 3,543 60   | 40 00     |
| 1882    | 2,756 48        |          | 760 32        | 3,516 80   | 40 00     |
| 1883    | 2,716 64        |          | 807 32        | 3,523 96   | 80 00     |
| 1884    | 2,767 98        |          | 771 40        | 3,539 38   | 80 00     |
| 1885    | 3,028 03        |          | 741 06        | 3,769 09   | 40 00     |
| 1886    | 3,187 73        |          | 687 17        | 3,874 90   | 40 00     |
| 1887    | 4,044 49        |          | 1,200 21      | 5,244 70   | 128 00    |
| 1888    | 3,402 51        |          | 755 32        | 4,157 83   |           |
| 1889    | 3,746 69        |          | 140 31        | 3,887 00   | 140 00    |
| 1890    | 3,113 21        |          |               | 3,113 21   | 302 88    |
| 1891    | 3,242 27        |          | 378 00        | 3,620 25   | 667 00    |
| 1892    | 1,835 65        |          |               | 1,835 65   | 166 00    |
| 1893    | 2,847 60        |          |               | 2,847 60   | 304 10    |
| 1894    | 3,078 55        |          |               | 3,078 55   | 980 15    |
| 1895    | 3,796 58        |          |               | 3,796 58   | 3,312 30  |
| 1896    | 3,555 87        |          |               | 3,555 87   | 2,161 85  |
| 1897    | 3,744 36        |          |               | 3,744 36   | 2,032 25  |
| 1898    | 6,775 78        |          |               | 6,775 78   | 2,707 57  |
| 1899    | 5,832 35        |          |               | 5,832 35   | 2,242 24  |
| 1900    | 7,364 20        |          |               | 7,364 20   | 2,207 12  |
| 1901    | 7,934 03        |          |               | 7,934 03   | 1,525 30  |
| 1902    | 7,814 02        |          |               | 7,814 02   | 1,843 45  |
| 1903    | 7,081 60        |          |               | 7,081 60   | 2,007 35  |
| 1904    | 7,320 96        |          | 10,733 51     | 18,054 47  | 1,983 42  |
| 1905    | 6,879 05        |          | 6,813 77      | 13,692 82  | 2,046 50  |
| 1906    | 9,351 81        |          | 6,419 04      | 15,770 85  | 2,206 25  |
| 1907    | 5,841 67        |          | 2,952 47      | 8,794 14   | 1,300 94  |
| 1908-09 | 14,996 00       |          | 7,187 47      | 22,183 47  | 2,393 66  |
| 1909-10 | 13,657 56       |          | 8,139 50      | 21,797 06  | 2,359 93  |
| 1910-11 | 38,570 72       |          | 8,874 42      | 47,445 14  | 2,499 63  |
| 1911-12 | 13,661 00       |          | 8,876 00      | 22,537 00  | 2,477 50  |
| 1912-13 | 13,558 06       |          | 6,105 63      | 19,663 69  | 2,927 96  |
| 1913-14 | 13,728 89       |          | 7,383 45      | 21,112 34  | 2,245 60  |
| 1914-15 | 17,369 93       |          | 8,071 93      | 25,441 86  | 2,046 50  |
| 1915-16 | 14,794 05       |          | 9,638 61      | 24,432 66  | 3,165 35  |
| 1916-17 | 15,843 23       |          | 7,211 18      | 23,054 41  | 3,597 18  |
| 1917-18 | 19,076 19       |          | 7,994 24      | 27,070 43  | 3,256 26  |
| 1918-19 | 15,722 08       |          | 3,003 84      | 18,725 92  | 2,561 19  |
| 1919-20 | 17,430 98       |          | 2,918 40      | 20,349 38  | 4,741 68  |
| 1920-21 | 22,911 72       |          | 4,312 69      | 27,224 41  | 3,720 12  |
| 1921-22 | 15,430 17       |          | 4,304 58      | 19,734 75  | 2,876 47  |
| 1922-23 | 17,996 16       |          | 4,801 56      | 22,797 72  | 5,854 88  |
| 1923-24 | 22,111 52       |          | 4,659 03      | 26,770 55  | 4,441 95  |
| 1924-25 | 28,051 31       |          | 5,147 60      | 31,198 91  | 3,134 90  |
| 1925-26 | 26,719 74       |          | 6,609 94      | 33,329 68  | 3,467 88  |
| 1926-27 | 20,302 73       |          | 4,533 27      | 24,836 00  | 3,403 13  |
| 1927-28 | 19,176 79       |          | 5,085 20      | 24,261 99  | 3,766 28  |
|         | 513,977 57      |          | 163,564 89    | 677,542 46 | 95,562 72 |

See Cruiser sheet N.S., P.E.I. & N.B.

## STATEMENT SHOWING THE ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE SINCE CONFEDERATION.

(\*Revenue from licenses to U.S. Fishing Vessels to which the Province has no exclusive title.)

## PROVINCE OF NOVA SCOTIA

| Year         | General<br>Service | Cruisers | Fish<br>Breeding | Total        | Revenue     |
|--------------|--------------------|----------|------------------|--------------|-------------|
|              | \$ cts.            |          | \$ cts.          | \$ cts.      | \$ cts.     |
| 1867.....    |                    |          |                  |              |             |
| 1868.....    | 225 28             |          |                  | 225 28       | * 12,275 25 |
| 1869.....    | 2,572 23           |          |                  | 2,572 23     | 848 46      |
| 1870.....    | 9,728 26           |          |                  | 9,728 26     | * 1,373 24  |
| 1871.....    | 8,794 37           |          |                  | 8,794 37     | 36 74       |
| 1872.....    | 8,341 39           |          |                  | 8,341 39     | 51 45       |
| 1873.....    | 8,689 07           |          |                  | 8,689 07     | 159 30      |
| 1874.....    | 10,585 13          |          |                  | 10,585 13    | 123 94      |
| 1875.....    | 12,265 86          |          |                  | 12,265 86    | 551 00      |
| 1876.....    | 14,655 76          |          | 6,870 33         | 21,526 09    | 403 00      |
| 1877.....    | 15,127 49          |          | 3,488 27         | 18,615 76    | 1,520 71    |
| 1878.....    | 15,292 83          |          | 3,400 00         | 18,692 83    | 1,442 38    |
| 1879.....    | 14,312 76          |          | 2,687 44         | 17,000 20    | 1,796 11    |
| 1880.....    | 14,180 55          |          | 3,323 16         | 17,503 71    | 1,506 72    |
| 1881.....    | 14,909 42          |          | 3,454 29         | 18,363 71    | 2,779 49    |
| 1882.....    | 16,479 41          |          | 5,858 98         | 22,338 39    | 1,111 61    |
| 1883.....    | 16,247 14          |          | 4,191 34         | 20,438 48    | 2,005 29    |
| 1884.....    | 15,600 01          |          | 4,728 11         | 20,428 12    | 1,833 18    |
| 1885.....    | 17,503 45          |          | 4,610 81         | 22,114 26    | 2,616 28    |
| 1886.....    | 17,852 33          |          | 7,478 23         | 25,330 56    | 2,166 53    |
| 1887.....    | 18,092 21          |          | 6,701 89         | 24,794 00    | 1,585 28    |
| 1888.....    | 18,308 02          |          | 6,850 27         | 25,158 29    | 3,905 44    |
| 1889.....    | 20,201 09          |          | 6,688 75         | 26,889 84    | 2,744 23    |
| 1890.....    | 17,395 24          |          | 6,606 95         | 24,002 19    | 5,424 95    |
| 1891.....    | 17,844 19          |          | 5,863 75         | 23,707 94    | 5,891 65    |
| 1892.....    | 18,755 86          |          | 10,289 80        | 29,045 66    | 3,803 42    |
| 1893.....    | 19,444 22          |          | 5,045 22         | 24,489 44    | 6,782 02    |
| 1894.....    | 20,420 81          |          | 4,982 12         | 25,402 93    | 5,296 27    |
| 1895.....    | 23,555 38          |          | 5,054 24         | 28,609 62    | 7,075 07    |
| 1896.....    | 23,049 41          |          | 5,010 39         | 28,059 80    | 6,180 93    |
| 1897.....    | 23,682 33          |          | 4,077 07         | 27,759 40    | 5,239 55    |
| 1898.....    | 21,683 91          |          | 3,525 03         | 25,208 94    | 5,317 08    |
| 1899.....    | 25,348 11          |          | 2,465 19         | 27,813 30    | 4,668 22    |
| 1900.....    | 27,461 91          |          | 3,410 84         | 30,872 75    | 5,494 49    |
| 1901.....    | 35,730 69          |          | 11,194 82        | 46,925 51    | 6,595 94    |
| 1902.....    | 32,618 00          |          | 8,810 31         | 41,428 31    | 6,084 65    |
| 1903.....    | 39,118 79          |          | 7,413 55         | 46,532 34    | 3,962 45    |
| 1904.....    | 30,003 01          |          | 6,348 22         | 36,351 23    | 3,716 75    |
| 1905.....    | 32,619 85          |          | 11,372 65        | 43,992 50    | 6,718 58    |
| 1906.....    | 49,351 10          |          | 33,203 27        | 82,554 37    | 4,934 43    |
| 1907.....    | 24,989 09          |          | 6,259 25         | 31,248 34    | 3,118 73    |
| 1908-09..... | 87,420 00          |          | 20,969 27        | 108,389 27   | 5,369 70    |
| 1909-10..... | 81,698 70          |          | 15,722 27        | 97,420 97    | 3,821 81    |
| 1910-11..... | 117,394 67         |          | 28,023 29        | 145,417 96   | 7,749 60    |
| 1911-12..... | 141,148 00         |          | 42,727 00        | 183,875 00   | 5,912 65    |
| 1912-13..... | 97,085 48          |          | 46,411 56        | 143,497 04   | 6,730 00    |
| 1913-14..... | 125,305 94         |          | 45,732 88        | 171,038 82   | 7,682 50    |
| 1914-15..... | 124,977 45         |          | 37,470 70        | 162,448 15   | 7,415 80    |
| 1915-16..... | 117,271 06         |          | 34,914 01        | 152,185 07   | 6,969 18    |
| 1916-17..... | 126,416 67         |          | 33,543 89        | 159,960 56   | 7,176 70    |
| 1917-18..... | 139,964 62         |          | 36,057 56        | 176,022 18   | 6,663 94    |
| 1918-19..... | 112,689 57         |          | 17,233 22        | 129,922 79   | 7,612 81    |
| 1919-20..... | 92,197 95          |          | 16,243 01        | 108,440 96   | 10,213 28   |
| 1920-21..... | 111,196 47         |          | 22,077 83        | 133,274 30   | 12,189 62   |
| 1921-22..... | 112,521 25         |          | 21,247 10        | 133,768 35   | 12,840 39   |
| 1922-23..... | 121,336 89         |          | 27,399 27        | 148,736 16   | 12,720 42   |
| 1923-24..... | 138,671 11         |          | 42,395 03        | 181,066 14   | 9,480 38    |
| 1924-25..... | 153,463 48         |          | 32,467 75        | 185,931 23   | 10,627 54   |
| 1925-26..... | 170,967 83         |          | 31,053 08        | 202,020 91   | 9,539 68    |
| 1926-27..... | 171,975 48         |          | 29,869 84        | 201,845 32   | 10,973 25   |
| 1927-28..... | 237,097 63         |          | 28,148 93        | 265,246 56   | 11,758 25   |
|              | 3,354,556 21       |          | 820,972 03       | 4,175,528 24 | 312,558 31  |

See Cruiser Sheet N.S., P.E.I., and N.B.

## PROVINCE OF NEW BRUNSWICK

| Year         | General Service |      | Cruisers | Fish Breeding |      | Total     |      | Revenue |      |
|--------------|-----------------|------|----------|---------------|------|-----------|------|---------|------|
|              | \$              | cts. |          | \$            | cts. | \$        | cts. | \$      | cts. |
| 1867.....    |                 |      |          |               |      |           |      |         |      |
| 1868.....    | 5,086           | 77   |          |               |      | 5,086     | 77   | 443     | 47   |
| 1869.....    | 4,172           | 35   |          |               |      | 4,172     | 35   | * 5,410 | 58   |
| 1870.....    | 8,422           | 63   |          |               |      | 8,422     | 63   | 1,086   | 42   |
| 1871.....    | 7,006           | 52   |          |               |      | 7,006     | 52   | 1,042   | 03   |
| 1872.....    | 6,476           | 61   |          |               |      | 6,476     | 61   | 1,058   | 29   |
| 1873.....    | 6,859           | 05   |          | 822           | 33   | 7,681     | 38   | 647     | 61   |
| 1874.....    | 7,351           | 17   |          | 3,100         | 13   | 10,451    | 30   | 978     | 00   |
| 1875.....    | 7,373           | 75   |          | 3,853         | 73   | 11,227    | 48   | 830     | 00   |
| 1876.....    | 10,080          | 37   |          | 3,247         | 41   | 13,327    | 78   | 2,030   | 91   |
| 1877.....    | 11,168          | 53   |          | 1,388         | 80   | 12,557    | 33   | 1,289   | 17   |
| 1878.....    | 10,926          | 11   |          | 1,468         | 22   | 12,394    | 33   | 2,015   | 46   |
| 1879.....    | 10,853          | 64   |          | 1,139         | 00   | 11,997    | 64   | 3,467   | 36   |
| 1880.....    | 12,291          | 00   |          | 5,600         | 00   | 17,891    | 00   | 4,276   | 07   |
| 1881.....    | 11,776          | 56   |          | 3,455         | 91   | 15,232    | 47   | 4,695   | 28   |
| 1882.....    | 12,284          | 82   |          | 3,567         | 28   | 15,852    | 10   | 4,848   | 84   |
| 1883.....    | 13,007          | 00   |          | 2,646         | 14   | 15,653    | 14   | 4,612   | 12   |
| 1884.....    | 14,388          | 02   |          | 2,327         | 06   | 16,715    | 08   | 3,905   | 66   |
| 1885.....    | 14,892          | 87   |          | 2,943         | 98   | 17,836    | 85   | 4,650   | 16   |
| 1886.....    | 15,719          | 36   |          | 2,852         | 02   | 18,571    | 38   | 4,078   | 10   |
| 1887.....    | 16,944          | 00   |          | 2,907         | 16   | 19,851    | 16   | 4,417   | 52   |
| 1888.....    | 20,533          | 20   |          | 3,441         | 59   | 23,974    | 79   | 7,625   | 64   |
| 1889.....    | 20,298          | 00   |          | 3,150         | 17   | 23,448    | 17   | 8,642   | 88   |
| 1890.....    | 14,914          | 95   |          | 3,727         | 77   | 18,642    | 72   | 8,834   | 35   |
| 1891.....    | 16,082          | 77   |          | 4,572         | 41   | 20,655    | 18   | 7,233   | 69   |
| 1892.....    | 15,707          | 98   |          | 4,304         | 98   | 20,012    | 96   | 6,634   | 83   |
| 1893.....    | 15,721          | 05   |          | 4,988         | 13   | 20,709    | 18   | 7,831   | 53   |
| 1894.....    | 18,522          | 94   |          | 4,833         | 27   | 23,356    | 21   | 8,333   | 24   |
| 1895.....    | 21,370          | 94   |          | 5,896         | 95   | 27,267    | 89   | 11,170  | 86   |
| 1896.....    | 20,526          | 56   |          | 6,551         | 62   | 27,078    | 18   | 10,696  | 88   |
| 1897.....    | 21,671          | 92   |          | 3,722         | 01   | 25,393    | 93   | 10,110  | 77   |
| 1898.....    | 17,063          | 58   |          | 3,958         | 63   | 21,022    | 21   | 11,511  | 85   |
| 1899.....    | 22,922          | 50   |          | 7,514         | 86   | 30,437    | 36   | 10,430  | 08   |
| 1900.....    | 21,459          | 94   |          | 3,951         | 58   | 25,411    | 52   | 12,015  | 27   |
| 1901.....    | 28,452          | 51   |          | 5,976         | 29   | 34,428    | 80   | 10,150  | 40   |
| 1902.....    | 23,813          | 62   |          | 12,245        | 86   | 36,059    | 48   | 11,658  | 34   |
| 1903.....    | 27,132          | 84   |          | 16,099        | 01   | 43,231    | 85   | 11,188  | 02   |
| 1904.....    | 27,664          | 34   |          | 22,177        | 05   | 49,841    | 39   | 10,643  | 20   |
| 1905.....    | 25,253          | 16   |          | 15,477        | 39   | 40,730    | 55   | 11,898  | 99   |
| 1906.....    | 35,856          | 38   |          | 25,759        | 09   | 61,615    | 47   | 11,395  | 84   |
| 1907.....    | 24,938          | 35   |          | 16,900        | 00   | 41,838    | 35   | 9,158   | 08   |
| 1908-09..... | 71,091          | 00   |          | 22,214        | 39   | 93,305    | 39   | 12,385  | 14   |
| 1909-10..... | 63,154          | 19   |          | 21,102        | 75   | 84,256    | 94   | 13,044  | 88   |
| 1910-11..... | 63,769          | 48   |          | 20,414        | 56   | 84,184    | 04   | 12,996  | 84   |
| 1911-12..... | 58,140          | 00   |          | 22,950        | 00   | 81,090    | 00   | 13,902  | 15   |
| 1912-13..... | 60,943          | 53   |          | 30,267        | 38   | 91,210    | 91   | 15,192  | 52   |
| 1913-14..... | 63,653          | 64   |          | 51,641        | 12   | 115,294   | 76   | 17,507  | 18   |
| 1914-15..... | 67,954          | 09   |          | 52,560        | 08   | 120,514   | 17   | 14,263  | 99   |
| 1915-16..... | 65,874          | 11   |          | 40,876        | 42   | 106,750   | 53   | 15,097  | 80   |
| 1916-17..... | 67,645          | 91   |          | 37,987        | 56   | 105,633   | 47   | 15,137  | 19   |
| 1917-18..... | 70,148          | 87   |          | 37,021        | 69   | 107,170   | 56   | 14,429  | 53   |
| 1918-19..... | 67,763          | 94   |          | 36,351        | 19   | 104,115   | 13   | 16,420  | 52   |
| 1919-20..... | 73,821          | 07   |          | 34,275        | 01   | 108,096   | 08   | 16,441  | 02   |
| 1920-21..... | 86,431          | 23   |          | 41,493        | 38   | 127,924   | 61   | 15,299  | 82   |
| 1921-22..... | 102,713         | 10   |          | 44,971        | 62   | 147,684   | 72   | 16,212  | 85   |
| 1922-23..... | 96,836          | 88   |          | 50,298        | 75   | 147,135   | 63   | 19,286  | 01   |
| 1923-24..... | 71,052          | 58   |          | 40,870        | 11   | 111,922   | 69   | 13,010  | 14   |
| 1924-25..... | 97,200          | 01   |          | 46,096        | 12   | 143,296   | 13   | 11,701  | 49   |
| 1925-26..... | 106,052         | 99   |          | 50,910        | 64   | 156,963   | 63   | 9,754   | 13   |
| 1926-27..... | 99,696          | 49   |          | 48,245        | 23   | 147,941   | 72   | 10,740  | 76   |
| 1927-28..... | 113,738         | 34   |          | 102,131       | 24   | 215,869   | 58   | 12,663  | 50   |
|              | 2,214,675       | 11   |          | 1,049,247     | 07   | 3,263,922 | 18   | 538,434 | 45   |

See Cruiser Sheet N.S., P.E.I., and N.B.



## STATEMENT SHOWING THE ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE SINCE CONFEDERATION.

## PROVINCE OF QUEBEC

| Year    | General Service |      | Cruisers  |      | Fish Breeding |      | Total     |      | Revenue |      |
|---------|-----------------|------|-----------|------|---------------|------|-----------|------|---------|------|
|         | \$              | cts. | \$        | cts. | \$            | cts. | \$        | cts. | \$      | cts. |
| 1867    | 10,272          | 82   | 14,426    | 53   |               |      | 24,699    | 35   | 6,998   | 90   |
| 1868    | 17,889          | 92   | 11,374    | 95   |               |      | 29,264    | 87   | 4,910   | 87   |
| 1869    | 6,909           | 61   | 10,800    | 00   |               |      | 17,709    | 61   | 4,585   | 80   |
| 1870    | 6,570           | 42   | 9,924     | 51   |               |      | 16,494    | 93   | * 7,997 | 21   |
| 1871    | 7,000           | 00   | 9,000     | 00   |               |      | 16,000    | 00   | 6,290   | 85   |
| 1872    | 6,489           | 68   | 12,000    | 00   |               |      | 18,489    | 68   | 4,569   | 69   |
| 1873    | 7,829           | 94   | 9,000     | 00   |               |      | 16,829    | 94   | 4,983   | 83   |
| 1874    | 9,265           | 31   | 10,000    | 00   | 6,106         | 00   | 25,371    | 31   | 8,523   | 54   |
| 1875    | 9,808           | 34   | 10,000    | 00   | 8,515         | 46   | 28,323    | 80   | 8,904   | 85   |
| 1876    | 14,282          | 65   | 23,832    | 82   | 9,016         | 74   | 47,132    | 21   | 6,437   | 00   |
| 1877    | 13,521          | 44   | 17,059    | 21   | 5,670         | 86   | 36,251    | 51   | 5,881   | 72   |
| 1878    | 12,723          | 88   | 19,967    | 11   | 6,685         | 85   | 39,376    | 84   | 5,453   | 27   |
| 1879    | 13,606          | 06   | 8,994     | 48   | 5,772         | 90   | 28,373    | 44   | 6,286   | 07   |
| 1880    | 12,591          | 78   | 1,980     | 08   | 4,701         | 34   | 19,173    | 20   | 7,124   | 42   |
| 1881    | 15,123          | 79   | 50,550    | 18   | 5,444         | 89   | 71,118    | 86   | 9,286   | 18   |
| 1882    | 14,819          | 22   | 26,965    | 40   | 9,148         | 68   | 50,933    | 30   | 7,165   | 32   |
| 1883    | 13,287          | 30   | 26,555    | 46   | 7,987         | 12   | 47,829    | 88   | 3,869   | 47   |
| 1884    | 13,186          | 26   | 19,935    | 53   | 8,512         | 11   | 41,633    | 90   | 2,715   | 02   |
| 1885    | 13,531          | 77   | *31,614   | 07   | 10,072        | 52   | 55,118    | 36   | 3,325   | 35   |
| 1886    | 13,938          | 21   | 26,091    | 20   | 9,197         | 89   | 49,227    | 30   | 2,963   | 75   |
| 1887    | 14,966          | 55   | 18,293    | 16   | 8,740         | 66   | 42,000    | 37   | 3,804   | 66   |
| 1888    | 13,463          | 37   | 17,233    | 51   | 8,921         | 13   | 39,618    | 01   | 5,394   | 99   |
| 1889    | 12,991          | 63   | 16,034    | 04   | 10,228        | 72   | 39,254    | 39   | 3,390   | 79   |
| 1890    | 9,670           | 94   | 15,001    | 91   | 8,370         | 15   | 33,043    | 00   | 5,409   | 81   |
| 1891    | 10,666          | 98   | 15,143    | 46   | 9,142         | 31   | 34,952    | 75   | 3,642   | 14   |
| 1892    | 10,917          | 36   | 14,026    | 98   | 8,341         | 94   | 33,286    | 28   | 5,244   | 82   |
| 1893    | 11,761          | 34   | 14,688    | 97   | 9,337         | 79   | 35,788    | 10   | 7,471   | 70   |
| 1894    | 11,692          | 82   | 25,645    | 29   | 8,635         | 41   | 45,973    | 52   | 7,211   | 82   |
| 1895    | 12,459          | 34   | 19,523    | 86   | 8,854         | 64   | 40,837    | 84   | 8,836   | 18   |
| 1896    | 11,870          | 43   | 20,661    | 78   | 8,260         | 50   | 40,792    | 71   | 8,160   | 98   |
| 1897    | 12,910          | 80   | 12,059    | 54   | 7,059         | 45   | 32,029    | 79   | 7,876   | 12   |
| 1898    | 11,140          | 16   | 13,781    | 53   | 6,128         | 40   | 31,050    | 09   | 7,571   | 15   |
| 1899    | 11,350          | 27   | 21,680    | 55   | 5,700         | 58   | 38,731    | 40   | 6,287   | 71   |
| 1900    | 5,452           | 41   | 18,970    | 42   | 12,701        | 04   | 37,123    | 87   | 2,543   | 04   |
| 1901    | 7,934           | 03   | 16,258    | 44   | 15,218        | 64   | 39,411    | 11   | 4,738   | 92   |
| 1902    | 6,242           | 53   | 24,995    | 46   | 20,142        | 94   | 51,380    | 98   | 2,498   | 85   |
| 1903    | 6,585           | 86   | 21,021    | 00   | 8,080         | 03   | 35,686    | 89   | 4,379   | 15   |
| 1904    | 7,619           | 67   | 23,011    | 05   | 11,454        | 24   | 42,084    | 96   | 5,070   | 64   |
| 1905    | 6,769           | 16   | 15,976    | 88   | 14,140        | 65   | 36,886    | 69   | 4,048   | 56   |
| 1906    | 8,123           | 04   | 26,969    | 49   | 12,617        | 01   | 47,709    | 54   | 7,564   | 39   |
| 1907    | 5,590           | 94   | 22,763    | 29   | 10,683        | 24   | 39,037    | 47   | 8,145   | 97   |
| 1908-09 | 11,960          | 00   | 36,402    | 00   | 16,760        | 46   | 65,122    | 46   | 6,797   | 91   |
| 1909-10 | 10,316          | 05   | 25,811    | 96   | 19,292        | 31   | 55,420    | 32   | 4,947   | 46   |
| 1910-11 | 8,984           | 36   | 42,975    | 48   | 20,290        | 50   | 72,250    | 34   | 5,336   | 61   |
| 1911-12 | 17,050          | 00   | 32,998    | 00   | 18,104        | 00   | 68,152    | 00   | 6,044   | 75   |
| 1912-13 | 10,998          | 48   | 25,321    | 81   | 17,152        | 03   | 53,472    | 32   | 8,095   | 79   |
| 1913-14 | 9,921           | 88   | 29,770    | 88   | 23,042        | 82   | 62,735    | 58   | 5,286   | 89   |
| 1914-15 | 11,503          | 00   | 30,644    | 81   | 22,000        | 08   | 64,147    | 89   | 7,639   | 75   |
| 1915-16 | 6,995           | 74   | 31,893    | 30   | 17,323        | 62   | 56,212    | 66   | 6,006   | 89   |
| 1916-17 | 7,168           | 09   | 26,356    | 47   | 14,274        | 14   | 47,798    | 70   | 6,981   | 14   |
| 1917-18 | 8,399           | 76   | 42,752    | 33   | 19,727        | 25   | 70,879    | 34   | 7,664   | 73   |
| 1918-19 | 7,470           | 58   | 41,563    | 30   | 12,923        | 27   | 61,957    | 15   | 8,121   | 80   |
| 1919-20 | 9,793           | 46   | 33,679    | 99   | 13,125        | 26   | 56,598    | 71   | 8,085   | 78   |
| 1920-21 | 33,182          | 26   | 45,963    | 09   | 15,955        | 38   | 95,100    | 73   | 6,536   | 90   |
| 1921-22 | 23,815          | 41   | 49,947    | 22   | 18,772        | 19   | 92,134    | 82   | 14,357  | 39   |
| 1922-23 | 2,146           | 60   | 904       | 32   | 2,668         | 48   | 5,719     | 40   |         |      |
| 1923-24 | 282             | 90   | 143       | 81   |               |      | 426       | 71   |         |      |
| 1924-25 | 178             | 47   |           |      |               |      | 178       | 47   |         |      |
| 1925-26 | 596             | 52   |           |      |               |      | 596       | 57   |         |      |
| 1926-27 | 123             | 12   |           |      |               |      | 123       | 12   |         |      |
| 1927-28 | 144             | 84   |           |      |               |      | 144       | 84   |         |      |
|         | 623,859         | 65   | 1,240,740 | 91   | 561,003       | 62   | 2,425,604 | 18   | 341,069 | 29   |

## PROVINCE OF ONTARIO

| Year    | General<br>Service | Cruisers   | Fish<br>Breeding | Total        | Revenue    |
|---------|--------------------|------------|------------------|--------------|------------|
|         | \$ cts.            | \$ cts.    | \$ cts.          | \$ cts.      | \$ cts.    |
| 1867    | 6,108 00           |            |                  | 6,108 00     | 3,492 00   |
| 1868    | 6,526 96           |            |                  | 6,526 96     | 1,927 02   |
| 1869    | 8,547 65           |            |                  | 8,547 65     | 2,739 13   |
| 1870    | 5,995 72           |            | 2,874 47         | 8,870 19     | 6,165 56   |
| 1871    | 5,825 98           |            | 4,446 34         | 10,272 32    | 5,039 35   |
| 1872    | 4,364 43           |            | 5,529 73         | 9,894 16     | 4,818 57   |
| 1873    | 4,344 32           |            | 3,697 16         | 8,041 48     | 4,547 50   |
| 1874    | 8,969 06           |            | 5,100 00         | 14,069 06    | 4,386 75   |
| 1875    | 8,388 81           |            | 5,635 74         | 14,024 55    | 4,478 05   |
| 1876    | 12,815 73          |            | 12,920 90        | 25,736 63    | 4,640 21   |
| 1877    | 13,521 44          |            | 12,132 70        | 25,654 14    | 4,673 25   |
| 1878    | 12,723 88          |            | 4,949 77         | 17,673 65    | 5,202 00   |
| 1879    | 11,741 40          |            | 7,102 54         | 18,843 94    | 6,188 80   |
| 1880    | 12,003 37          |            | 5,300 71         | 17,304 08    | 6,465 95   |
| 1881    | 11,506 74          |            | 5,422 63         | 16,929 37    | 7,795 99   |
| 1882    | 11,729 77          |            | 8,655 82         | 20,385 59    | 9,849 18   |
| 1883    | 13,602 00          |            | 7,761 45         | 21,363 45    | 9,980 28   |
| 1884    | 15,192 73          |            | 8,011 17         | 23,203 90    | 11,345 14  |
| 1885    | 17,135 98          |            | 8,690 15         | 25,826 13    | 11,914 37  |
| 1886    | 17,900 74          |            | 9,696 54         | 27,597 28    | 15,917 62  |
| 1887    | 19,534 01          |            | 8,880 14         | 28,414 15    | 15,063 57  |
| 1888    | 19,860 52          |            | 9,529 00         | 29,389 52    | 18,251 25  |
| 1889    | 19,264 98          | 2,631 46   | 11,311 33        | 33,207 77    | 24,266 06  |
| 1890    | 14,539 87          | 2,254 63   | 11,494 31        | 28,288 81    | 23,666 95  |
| 1891    | 15,540 30          | 2,769 29   | 11,769 81        | 30,079 40    | 26,611 70  |
| 1892    | 15,155 83          | 5,064 91   | 9,281 37         | 29,502 11    | 26,708 00  |
| 1893    | 20,116 91          | 32,940 56  | 11,194 65        | 64,252 12    | 30,623 09  |
| 1894    | 22,634 37          | 20,022 18  | 10,821 43        | 53,477 98    | 28,632 82  |
| 1895    | 21,938 56          | 19,373 24  | 8,755 93         | 50,067 73    | 33,211 60  |
| 1896    | 24,917 48          | 17,295 94  | 9,468 37         | 51,681 79    | 35,681 68  |
| 1897    | 21,592 40          | 15,948 43  | 8,774 19         | 46,315 02    | 32,814 66  |
| 1898    | 19,239 34          | 15,155 43  | 9,976 74         | 44,371 51    | 30,574 57  |
| 1899    | 11,784 22          | 15,122 45  | 9,982 10         | 36,888 97    | 5,830 85   |
| 1900    | 3,604 94           | 12,250 72  | 10,675 72        | 26,531 38    | 794 12     |
| 1901    | 3,819 57           | 11,304 51  | 12,835 60        | 27,959 68    | 717 35     |
| 1902    | 4,445 93           | 11,764 87  | 12,445 31        | 28,656 11    | 373 42     |
| 1903    | 4,660 53           | 12,334 37  | 14,844 36        | 31,839 26    | 1,818 83   |
| 1904    | 4,500 43           | 45,133 10  | 15,300 46        | 64,933 99    | 2,578 48   |
| 1905    | 4,294 60           | 109,560 51 | 13,832 32        | 127,687 43   | 1,471 91   |
| 1906    | 4,949 67           | 32,585 51  | 15,069 17        | 52,604 35    | 499 15     |
| 1907    | 3,188 34           | 32,698 85  | 14,112 42        | 49,999 61    | 349 10     |
| 1908-09 | 14,898 00          | 36,038 00  | 28,358 02        | 79,294 02    | 790 78     |
| 1909-10 | 9,672 24           | 26,009 14  | 22,614 30        | 58,295 68    | 1,520 75   |
| 1910-11 | 11,788 30          | 24,237 49  | 24,393 21        | 60,419 00    | 280 25     |
| 1911-12 | 28,127 00          | 28,006 00  | 47,611 00        | 103,744 00   | 658 45     |
| 1912-13 | 13,213 90          | 30,015 23  | 61,580 26        | 104,809 41   | 548 74     |
| 1913-14 | 22,733 57          | 27,650 61  | 68,877 81        | 119,261 99   | 806 69     |
| 1914-15 | 23,048 82          | 30,169 08  | 103,182 20       | 156,400 10   | 918 80     |
| 1915-16 | 19,468 64          | 28,216 58  | 63,712 73        | 111,397 95   | 2,600 65   |
| 1916-17 | 14,588 69          | 25,994 06  | 85,922 62        | 126,505 37   | 808 70     |
| 1917-18 | 15,838 94          | 36,708 63  | 69,864 18        | 122,411 75   | 2,345 48   |
| 1918-19 | 4,586 56           | 53,404 30  | 64,996 55        | 122,987 41   | 631 85     |
| 1919-20 | 247 00             | 39,575 17  | 75,479 78        | 115,301 95   | 1,421 80   |
| 1920-21 | 5 09               | 84,373 39  | 82,320 21        | 166,698 69   | 9,221 25   |
| 1921-22 |                    | 52,260 83  | 80,403 37        | 132,664 20   | 44,425 97  |
| 1922-23 |                    | 27,901 41  | 79,690 16        | 107,591 57   | 4,169 29   |
| 1923-24 |                    | 355 62     | 84,180 87        | 84,536 49    | 6,076 71   |
| 1924-25 |                    |            | 79,471 88        | 79,471 88    | 957 73     |
| 1925-26 |                    |            | 79,938 10        | 79,938 10    | 9,719 28   |
| 1926-27 |                    |            | 19,894 97        | 19,894 97    | 126 91     |
| 1927-28 |                    |            | 25 38            | 25 38        |            |
|         |                    |            |                  |              |            |
|         | 666,744 26         | 967,126 52 | 1,580,800 35     | 3,214,671 13 | 520,135 96 |

## MANITOBA AND NORTHWEST TERRITORIES

| Year     | General<br>Service | Cruisers | Fish<br>Culture | Total     | Revenue  |
|----------|--------------------|----------|-----------------|-----------|----------|
|          | \$ cts.            | \$ cts.  | \$ cts.         | \$ cts.   | \$ cts.  |
| 1867-68. |                    |          |                 |           |          |
| 1868-69. |                    |          |                 |           |          |
| 1869-70. |                    |          |                 |           |          |
| 1870-71. |                    |          |                 |           |          |
| 1871-72. |                    |          |                 |           |          |
| 1872-73. |                    |          |                 |           |          |
| 1873-74. |                    |          |                 |           |          |
| 1874-75. | 288 65             |          |                 | 288 65    |          |
| 1875-76. |                    |          |                 |           |          |
| 1876-77. | 250 00             |          |                 | 250 00    |          |
| 1877-78. | 200 00             |          |                 | 200 00    |          |
| 1878-79. | 200 00             |          |                 | 200 00    |          |
| 1879-80. | 19 75              |          |                 | 19 75     |          |
| 1880-81. |                    |          |                 |           |          |
| 1881-82. | 809 55             |          |                 | 809 55    |          |
| 1882-83. | 150 00             |          |                 | 150 00    |          |
| 1883-84. | 872 40             |          |                 | 872 40    |          |
| 1884-85. | 763 00             |          |                 | 763 00    |          |
| 1885-86. | 1,920 73           |          |                 | 1,920 73  |          |
| 1886-87. | 2,468 25           |          |                 | 2,468 25  | 5 00     |
| 1887-88. | 2,816 64           |          |                 | 2,816 64  | 819 25   |
| 1888-89. | 2,848 16           |          |                 | 2,848 16  | 848 00   |
| 1889-90. | 2,604 70           |          |                 | 2,604 70  | 794 00   |
| 1890-91. | 3,609 03           |          |                 | 3,609 03  | 1,234 00 |
| 1891-92. | 3,593 43           |          |                 | 3,593 43  | 1,079 00 |
|          | 23,414 29          |          |                 | 23,414 29 | 4,779 25 |

NOTE.—Subsequent to 1892, see Manitoba and Northwest Territories Separate Sheets.

STATEMENT SHOWING THE ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE SINCE 1892.

## PROVINCE OF MANITOBA

| Year     | General<br>Service | Cruisers   | Fish<br>Culture | Total        | Revenue    |
|----------|--------------------|------------|-----------------|--------------|------------|
|          | \$ cts.            | \$ cts.    | \$ cts.         | \$ cts.      | \$ cts.    |
| 1892-93. | 2,162 55           |            | 6,943 35        | 9,105 90     | 1,464 68   |
| 1893-94. | 2,187 35           |            | 7,362 53        | 9,549 88     | 715 85     |
| 1894-95. | 2,663 55           |            | 3,849 98        | 6,513 53     | 2,149 30   |
| 1895-96. | 3,952 18           |            | 2,865 69        | 6,817 87     | 1,670 19   |
| 1896-97. | 1,908 14           |            | 24 79           | 1,932 93     | 1,719 00   |
| 1897-98. | 1,206 26           |            | 1,586 12        | 2,792 38     | 1,515 00   |
| 1898-99. | 1,883 37           |            | 3,967 36        | 5,850 73     | 1,537 85   |
| 1899-00. | 1,723 59           |            | 2,791 71        | 4,515 30     | 2,028 00   |
| 1900-01. | 2,669 74           |            | 4,174 53        | 6,844 27     | 1,103 00   |
| 1901-02. | 2,624 87           |            | 2,622 43        | 5,247 30     | 2,279 00   |
| 1902-03. | 3,129 70           |            | 2,415 09        | 5,544 79     | 1,784 00   |
| 1903-04. | 2,789 74           |            | 3,978 04        | 6,767 78     | 4,002 70   |
| 1904-05. | 2,800 64           |            | 7,041 67        | 9,842 31     | 4,879 70   |
| 1905-06. | 3,687 07           | 7,867 70   | 25,923 29       | 37,478 06    | 4,148 00   |
| 1906-07. | 2,173 33           | 55 00      | 15,858 35       | 18,086 68    | 2,285 98   |
| 1907-08. | 4,638 51           | 13,903 95  | 25,283 46       | 43,825 92    | 3,527 05   |
| 1908-09. | 3,946 00           | 7,560 00   | 16,987 13       | 28,493 13    | 3,704 22   |
| 1909-10. | 9,359 23           | 7,794 02   | 14,386 86       | 31,540 11    | 3,962 88   |
| 1910-11. | 9,423 70           | 7,309 55   | 15,161 39       | 31,894 64    | 8,137 75   |
| 1911-12. | 7,371 00           | 6,571 00   | 15,793 00       | 29,735 00    | 6,334 00   |
| 1912-13. | 7,062 15           | 12,298 62  | 40,801 11       | 60,161 88    | 6,039 00   |
| 1913-14. | 29,694 13          | 48,006 49  | 47,769 97       | 125,470 57   | 4,846 50   |
| 1914-15. | 28,887 50          | 172,677 12 | 31,532 95       | 233,097 57   | 8,312 08   |
| 1915-16. | 13,518 89          | 61,986 35  | 26,654 36       | 102,159 60   | 5,926 00   |
| 1916-17. | 13,228 17          | 19,122 24  | 25,750 64       | 58,101 05    | 8,252 27   |
| 1917-18. | 13,164 99          | 18,943 45  | 28,277 84       | 60,386 28    | 12,910 65  |
| 1918-19. | 11,647 78          | 22,058 23  | 29,405 83       | 63,111 84    | 12,730 20  |
| 1919-20. | 8,704 69           | 21,176 75  | 26,379 94       | 56,261 38    | 12,139 17  |
| 1920-21. | 10,979 14          | 16,787 94  | 38,893 96       | 66,661 04    | 17,792 58  |
| 1921-22. | 14,458 95          | 23,624 52  | 33,850 69       | 71,934 16    | 11,636 54  |
| 1922-23. | 17,570 39          | 21,852 05  | 30,787 33       | 70,209 77    | 12,736 68  |
| 1923-24. | 14,630 97          | 20,051 25  | 28,429 89       | 63,112 11    | 15,683 38  |
| 1924-25. | 14,197 83          | 21,519 12  | 25,646 64       | 61,363 59    | 17,631 21  |
| 1925-26. | 17,172 70          | 22,251 26  | 21,265 04       | 60,689 00    | 17,908 00  |
| 1926-27. | 16,679 07          | 21,775 71  | 19,924 81       | 58,379 59    | 21,291 05  |
| 1927-28. | 21,379 96          | 15,623 11  | 22,954 22       | 59,957 29    | 23,781 18  |
|          | 325,277 83         | 590,815 43 | 657,341 99      | 1,573,435 25 | 268,564 58 |

NOTE.—Prior to 1892 see Manitoba and Northwest Territories.

STATEMENT SHOWING ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED  
BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE  
SINCE 1906.

PROVINCE OF SASKATCHEWAN

| Year    | General<br>Services | Cruisers | Fish<br>Culture | Total       | Revenue    |
|---------|---------------------|----------|-----------------|-------------|------------|
|         | \$ cts.             | \$ cts.  | \$ cts.         | \$ cts.     | \$ cts.    |
| 1906-07 | 2,677 77            |          |                 | 2,677 77    | 509 00     |
| 1907-08 | 7,277 49            |          |                 | 7,277 49    | 943 60     |
| 1908-09 | 6,591 00            |          |                 | 6,591 00    | 1,085 50   |
| 1909-10 | 6,474 57            |          |                 | 6,474 57    | 1,209 44   |
| 1910-11 | 10,470 46           |          |                 | 10,470 46   | 1,246 00   |
| 1911-12 | * 26,040 00         |          |                 | * 26,040 00 | 1,304 75   |
| 1912-13 | * 17,850 00         |          |                 | * 17,850 00 | 4,268 50   |
| 1913-14 | * 24,964 74         |          | * 13,969 84     | * 38,934 58 | * 8,253 05 |
| 1914-15 | * 34,130 50         |          | 20,642 23       | 54,772 73   | 4,329 65   |
| 1915-16 | * 31,294 44         |          | 4,714 72        | 36,009 16   | 3,195 00   |
| 1916-17 | 16,002 77           |          | 4,897 97        | 20,900 74   | 3,103 25   |
| 1917-18 | 16,959 11           |          | 5,732 96        | 22,692 07   | 3,643 65   |
| 1918-19 | 16,966 00           |          | 5,529 72        | 22,495 72   | 4,982 83   |
| 1919-20 | 19,019 11           |          | 4,147 16        | 23,166 27   | 4,321 00   |
| 1920-21 | 12,700 20           |          | 7,180 29        | 19,880 49   | 4,077 30   |
| 1921-22 | 15,330 53           |          | 6,157 00        | 21,487 53   | 3,474 31   |
| 1922-23 | 14,212 56           |          | 7,887 32        | 22,099 88   | 2,904 65   |
| 1923-24 | 14,281 88           |          | 6,981 38        | 21,263 26   | 3,589 50   |
| 1924-25 | 16,469 50           |          | 8,505 56        | 24,975 06   | 6,706 39   |
| 1925-26 | 18,156 07           |          | 6,873 95        | 25,030 02   | 6,066 35   |
| 1926-27 | 18,590 43           |          | 6,878 44        | 25,468 87   | 6,057 68   |
| 1927-28 | 19,593 93           |          | 7,792 50        | 27,386 43   | 6,274 24   |
|         | 366,053 06          |          | 117,891 04      | 483,944 10  | 81,550 64  |

\*Includes Alberta.

STATEMENT SHOWING THE ANNUAL EXPENDITURE OF, AND REVENUE COL-  
LECTED BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES  
SERVICE SINCE 1906.

PROVINCE OF ALBERTA

| Year    | General<br>Service | Cruisers | Fish<br>Culture | Total      | Revenue    |
|---------|--------------------|----------|-----------------|------------|------------|
|         | \$ cts.            | \$ cts.  | \$ cts.         | \$ cts.    | \$ cts.    |
| 1906-07 | 3,681 45           |          |                 | 3,681 45   | 2 50       |
| 1907-08 | 5,440 66           |          |                 | 5,440 66   | 2 50       |
| 1908-09 | 5,714 00           |          |                 | 5,714 00   | 915 00     |
| 1909-10 | 8,063 22           |          |                 | 8,063 22   | 703 00     |
| 1910-11 | 10,739 86          |          |                 | 10,739 86  | 698 50     |
| 1911-12 | *                  |          |                 |            | 709 00     |
| 1912-13 | *                  |          |                 |            | *          |
| 1913-14 | *                  |          |                 |            | *          |
| 1914-15 |                    |          | 5,608 42        | 5,608 42   | 6,102 50   |
| 1915-16 | *                  |          | 4,798 69        | 4,798 69   | 5,237 85   |
| 1916-17 | 15,086 14          |          | 4,543 09        | 19,629 23  | 5,970 40   |
| 1917-18 | 13,262 62          |          | 4,127 81        | 17,390 43  | 9,767 94   |
| 1918-19 | 50,267 84          |          | 4,920 96        | 20,188 80  | 10,288 15  |
| 1919-20 | 15,633 19          |          | 7,203 06        | 22,836 25  | 8,313 85   |
| 1920-21 | 12,700 20          |          | 8,617 04        | 21,317 24  | 8,693 75   |
| 1921-22 | 12,473 92          |          | 9,956 33        | 22,430 25  | 10,119 30  |
| 1922-23 | 13,690 46          |          | 6,552 84        | 20,243 30  | 11,947 80  |
| 1923-24 | 13,880 42          |          | 6,419 16        | 20,299 58  | 10,111 50  |
| 1924-25 | 16,431 37          |          | 5,280 07        | 21,711 44  | 12,708 13  |
| 1925-26 | 18,744 72          |          | 8,255 38        | 27,000 10  | 14,932 99  |
| 1926-27 | 21,391 73          |          | 8,345 03        | 29,736 76  | 20,233 41  |
| 1927-28 | 22,435 76          |          | 7,792 50        | 30,228 26  | 20,666 41  |
|         | 224,637 56         |          | 92,420 38       | 317,057 94 | 158,124 48 |

\*Included in Saskatchewan.

STATEMENT SHOWING THE ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE SINCE 1892.

## NORTHWEST TERRITORIES

| Year         | General Service | Cruisers | Fish Culture | Total     | Revenue  |
|--------------|-----------------|----------|--------------|-----------|----------|
|              | \$ cts.         | \$ cts.  | \$ cts.      | \$ cts.   | \$ cts.  |
| 1892-93..... | 1,770 41        |          |              | 1,770 41  | 197 00   |
| 1893-94..... | 3,143 94        |          |              | 3,143 94  | 211 14   |
| 1894-95..... | 3,515 16        |          |              | 3,515 16  | 309 50   |
| 1895-96..... | 2,963 02        |          |              | 2,963 02  | 586 50   |
| 1896-97..... | 2,181 58        |          |              | 2,181 58  | 344 13   |
| 1897-98..... | 2,324 66        |          |              | 2,324 66  | 393 87   |
| 1898-99..... | 4,065 68        |          |              | 4,065 68  | 150 50   |
| 1899-00..... | 3,848 25        |          |              | 3,848 25  | 1,522 50 |
| 1900-01..... | 6,251 39        |          |              | 6,251 39  | 816 55   |
| 1901-02..... | 5,928 22        |          |              | 5,928 22  | 950 07   |
| 1902-03..... | 7,076 26        |          |              | 7,076 26  | 1,350 50 |
| 1903-04..... | 7,317 49        |          |              | 7,317 49  | 922 50   |
| 1904-05..... | 7,003 55        |          |              | 7,003 55  | 1,151 50 |
| 1905-06..... | 11,124 22       |          |              | 11,124 22 | 868 97   |
|              | 58,258 58       |          |              | 58,258 58 | 9,775 23 |

NOTE.—For Alberta and Saskatchewan subsequent to 1906 see separate statements for each.

STATEMENT SHOWING ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE.

## HUDSON BAY DISTRICT

| Year         | General Service | Cruisers | Fish Culture | Total   | Revenue |
|--------------|-----------------|----------|--------------|---------|---------|
|              | \$ cts.         | \$ cts.  | \$ cts.      | \$ cts. | \$ cts. |
| 1903-04..... |                 |          |              |         | 10 00   |
| 1904-05..... |                 |          |              |         | 10 00   |
| 1905-06..... |                 |          |              |         | 10 00   |
| 1906-07..... |                 |          |              |         | 10 00   |
| 1907-08..... |                 |          |              |         | 360 00  |
| 1908-09..... |                 |          |              |         | 20 00   |
| 1909-10..... |                 |          |              |         | 301 83  |
| 1910-11..... |                 |          |              |         | 100 00  |
|              |                 |          |              |         | 821 83  |

STATEMENT SHOWING ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED  
BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE  
SINCE CONFEDERATION.

PROVINCE OF BRITISH COLUMBIA

| Year         | General<br>Service | Cruisers     | Fish<br>Culture | Total         | Revenue      |
|--------------|--------------------|--------------|-----------------|---------------|--------------|
|              | \$ cts.            | \$ cts.      | \$ cts.         | \$ cts.       | \$ cts.      |
| 1867.....    |                    |              |                 |               |              |
| 1868.....    |                    |              |                 |               |              |
| 1869.....    |                    |              |                 |               |              |
| 1870.....    |                    |              |                 |               |              |
| 1871.....    |                    |              |                 |               |              |
| 1872.....    |                    |              |                 |               |              |
| 1873.....    |                    |              |                 |               |              |
| 1874.....    |                    |              |                 |               |              |
| 1875.....    |                    |              |                 |               |              |
| 1876.....    |                    |              |                 |               |              |
| 1877.....    | 635 00             |              |                 | 635 00        |              |
| 1878.....    | 690 00             |              |                 | 690 00        |              |
| 1879.....    | 1,423 73           |              |                 | 1,423 73      |              |
| 1880.....    | 1,399 92           |              |                 | 1,399 92      | 10 00        |
| 1881.....    | 1,721 48           |              |                 | 1,721 48      |              |
| 1882.....    | 1,599 08           |              |                 | 1,599 08      | 672 50       |
| 1883.....    | 1,599 92           |              |                 | 1,599 92      | 790 00       |
| 1884.....    | 2,231 97           |              | 3,704 31        | 5,936 28      | 127 50       |
| 1885.....    | 1,437 13           |              | 11,873 17       | 13,310 30     | 365 50       |
| 1886.....    | 1,878 53           |              | 5,405 87        | 7,284 40      | 922 50       |
| 1887.....    | 5,860 72           |              | 4,623 35        | 10,484 07     | 943 50       |
| 1888.....    | 3,661 83           |              | 5,653 90        | 9,315 73      | 6,934 55     |
| 1889.....    | 4,333 63           |              | 4,933 26        | 9,266 89      | 6,416 00     |
| 1890.....    | 3,634 41           |              | 4,202 61        | 7,837 02      | 11,367 50    |
| 1891.....    | 4,320 53           |              | 3,339 51        | 7,660 04      | 12,914 02    |
| 1892.....    | 6,158 17           |              | 2,896 57        | 9,054 74      | 8,192 48     |
| 1893.....    | 5,490 60           |              | 3,630 68        | 9,121 28      | 40,264 00    |
| 1894.....    | 5,283 21           |              | 3,273 10        | 8,556 31      | 25,337 90    |
| 1895.....    | 6,218 74           |              | 2,869 19        | 9,087 93      | 23,517 25    |
| 1896.....    | 6,226 77           |              | 2,817 02        | 9,043 79      | 26,410 75    |
| 1897.....    | 8,841 64           |              | 2,840 62        | 11,682 26     | 39,888 82    |
| 1898.....    | 8,508 79           |              | 2,389 46        | 10,898 25     | 47,864 75    |
| 1899.....    | 8,459 47           |              | 3,736 14        | 12,195 61     | 45,801 75    |
| 1900.....    | 13,662 17          |              | 2,741 88        | 16,404 05     | 53,195 35    |
| 1901.....    | 17,886 36          |              | 17,709 77       | 35,596 13     | 52,960 35    |
| 1902.....    | 18,660 73          | 40,122 50    | 20,508 57       | 79,291 80     | 41,178 65    |
| 1903.....    | 17,808 45          | 36,239 02    | 23,275 29       | 77,322 76     | 43,015 62    |
| 1904.....    | 15,133 65          | 33,083 19    | 25,040 81       | 73,257 65     | 56,904 34    |
| 1905.....    | 16,631 37          | 42,104 39    | 61,675 57       | 120,411 33    | 47,436 00    |
| 1906.....    | 30,141 35          | 54,113 76    | 83,687 16       | 167,942 25    | 51,532 50    |
| 1907.....    | 20,381 97          | 34,228 34    | 39,379 94       | 93,990 25     | 29,903 95    |
| 1908-09..... | 55,951 00          | 86,151 00    | 64,149 57       | 206,251 57    | 39,251 65    |
| 1909-10..... | 44,799 61          | 306,185 98   | 66,847 35       | 417,832 94    | 41,864 80    |
| 1910-11..... | 99,794 13          | 80,532 84    | 97,848 04       | 278,175 01    | 45,846 70    |
| 1911-12..... | 43,265 00          | 133,558 00   | 75,907 00       | 252,730 00    | 44,893 51    |
| 1912-13..... | 110,779 22         | 221,061 83   | 68,719 37       | 400,560 42    | 48,824 50    |
| 1913-14..... | 129,393 33         | 501,715 55   | 83,123 10       | 714,231 98    | 52,835 50    |
| 1914-15..... | 227,807 84         | 153,082 83   | 77,340 42       | 458,231 09    | 41,423 95    |
| 1915-16..... | 112,827 34         | 138,594 96   | 66,071 97       | 317,494 27    | 46,862 54    |
| 1916-17..... | 106,861 03         | 109,234 29   | 55,615 62       | 271,710 94    | 47,327 84    |
| 1917-18..... | 123,295 97         | 117,621 80   | 54,359 16       | 295,276 93    | 53,515 21    |
| 1918-19..... | 138,876 49         | 104,048 17   | 59,048 99       | 301,973 65    | 59,349 94    |
| 1919-20..... | 176,973 35         | 243,141 41   | 111,918 01      | 532,032 77    | 270,698 41   |
| 1920-21..... | 188,597 86         | 393,096 67   | 130,421 69      | 712,116 22    | 233,282 04   |
| 1921-22..... | 137,862 63         | 382,272 93   | 134,628 71      | 654,763 27    | 153,904 33   |
| 1922-23..... | 137,343 43         | 304,771 79   | 113,437 53      | 555,552 75    | 223,657 57   |
| 1923-24..... | 131,580 83         | 297,600 19   | 121,182 83      | 550,363 85    | 122,435 24   |
| 1924-25..... | 128,897 11         | 273,227 13   | 124,025 49      | 526,149 73    | 86,218 79    |
| 1925-26..... | 167,560 18         | 255,491 62   | 126,095 12      | 549,146 92    | 117,755 80   |
| 1926-27..... | 211,667 84         | 276,838 74   | 108,987 77      | 597,494 35    | 116,072 66   |
| 1927-28..... | 218,889 30         | 331,157 07   | 112,532 65      | 662,579 02    | 53,377 01    |
|              | 2,934,744 79       | 4,949,276 00 | 2,194,468 14    | 10,078,488 93 | 2,574,271 02 |

STATEMENT SHOWING ANNUAL EXPENDITURE OF, AND REVENUE COLLECTED  
BY THE DOMINION GOVERNMENT ON ACCOUNT OF THE FISHERIES SERVICE  
SINCE 1900.

## YUKON

| Year    | General Service |      | Cruisers |      | Fish Culture |      | Total  |      | Revenue |           |
|---------|-----------------|------|----------|------|--------------|------|--------|------|---------|-----------|
|         | \$              | cts. | \$       | cts. | \$           | cts. | \$     | cts. | \$      | cts.      |
| 1900-01 | 1,159           | 81   |          |      |              |      | 1,159  | 81   |         | 406 00    |
| 1901-02 | 2,066           | 66   |          |      |              |      | 2,066  | 66   | 1,130   | 00        |
| 1902-03 | 1,522           | 00   |          |      |              |      | 1,522  | 00   |         | 320 00    |
| 1903-04 | 1,400           | 00   |          |      |              |      | 1,400  | 00   |         | 240 00    |
| 1904-05 | 1,400           | 00   |          |      |              |      | 1,400  | 00   |         | 340 00    |
| 1905-06 | 1,083           | 31   |          |      |              |      | 1,083  | 31   |         | 282 00    |
| 1906-07 | 1,030           | 35   |          |      |              |      | 1,030  | 35   |         | 173 00    |
| 1907-08 | 1,226           | 30   |          |      |              |      | 1,226  | 30   |         | 274 00    |
| 1908-09 | 1,019           | 00   |          |      |              |      | 1,019  | 00   |         | 228 00    |
| 1909-10 | 2,416           | 63   |          |      |              |      | 2,416  | 63   |         | 457 00    |
| 1910-11 | 1,984           | 95   |          |      |              |      | 1,984  | 95   |         | 907 50    |
| 1911-12 | 2,095           | 00   |          |      |              |      | 2,095  | 00   |         | 203 25    |
| 1912-13 | 1,909           | 83   |          |      |              |      | 1,909  | 83   |         | 342 00    |
| 1913-14 | 1,520           | 00   |          |      |              |      | 1,520  | 00   |         | 226 00    |
| 1914-15 | 2,158           | 80   |          |      |              |      | 2,158  | 80   |         | 304 00    |
| 1915-16 | 1,794           | 75   |          |      |              |      | 1,794  | 75   |         | 315 00    |
| 1916-17 | 1,482           | 65   |          |      |              |      | 1,482  | 65   |         | 275 00    |
| 1917-18 | 1,530           | 75   |          |      |              |      | 1,530  | 75   |         | 375 00    |
| 1918-19 | 531             | 50   |          |      |              |      | 531    | 50   |         | 425 00    |
| 1919-20 | 11              | 65   |          |      |              |      | 11     | 65   |         | 215 00    |
| 1920-21 |                 |      |          |      |              |      |        |      |         | 280 00    |
| 1921-22 |                 |      |          |      |              |      |        |      |         | 375 00    |
| 1922-23 |                 |      |          |      |              |      |        |      |         | 320 00    |
| 1923-24 |                 |      |          |      |              |      |        |      |         | 330 00    |
| 1924-25 |                 |      |          |      |              |      |        |      |         | 340 00    |
| 1925-26 |                 |      |          |      |              |      |        |      |         | 355 00    |
| 1926-27 |                 |      |          |      |              |      |        |      |         | 350 00    |
| 1927-28 |                 |      |          |      |              |      |        |      |         | 505 00    |
|         | 29,343          | 94   |          |      |              |      | 29,343 | 94   |         | 10,292 75 |

## APPENDIX NO. 10

REPORT OF MR. J. J. COWIE AND MR. G. R. EARL ON THEIR WORK  
IN CONNECTION WITH THE IMPERIAL ECONOMIC COMMIT-  
TEE'S INQUIRY INTO THE MARKETING OF FISH PRO-  
DUCTS OF THE EMPIRE (1927)

We, J. J. Cowie, of the Fisheries Department, Ottawa, and G. R. Earl, of Yarmouth, N.S., having been duly appointed to represent Canada on the Imperial Economic Committee during its inquiry into the fisheries resources of the Empire with a view to discovering a means by which the marketing of fish produced within the Empire may be promoted in Great Britain, proceeded to London and attended the meetings of the committee throughout the month of June and the first half of July last.

The committee's report has now been published. In addition to the reasoned conclusions and recommendations of the committee, it contains a vast amount of information of a very valuable kind. We, therefore, leave the report to speak for itself, and give herein a summarized account of the information and evidence furnished to the committee by us, from the point of view of Canada. We also incorporate in this report the results of personal inquiries carried on amongst the fish trade of Great Britain, with particular regard to the possibilities of profitably shipping fresh fish from Canada to the markets of that country.

## CANADA'S FISHERY RESOURCES

We, in the first place, submitted a lengthy memorandum describing the various individual fisheries and the methods by which each is prosecuted on the Atlantic coast, in the interior lakes, and on the Pacific coast of Canada. Copies of this memorandum were distributed to the members of the committee for their information and guidance. It should be noted that the committee confined its attention to fish and fish products which enter largely into the food of the people of Great Britain.

## THE NEED OF EXTENDED MARKETING

In our evidence before the committee, it was emphasized that while Canada's fishing population is relatively large, the total population is comparatively small and widely separated; that the Canadian market, therefore, only consumes a fraction of the total production of Canadian fish and that the great bulk of it has to find a market outside the boundaries of Canada in either a fresh, salted, or canned condition. It was further pointed out that the effect of the present high tariff against Canadian fish entering the United States has been not only to make it difficult—if not almost impossible—to continue profitably to ship certain kinds of fish to that country, but to cause our young fishermen to seek more remunerative employment in fishing vessels of the United States, where many of them settle and are definitely lost as citizens of Canada and the Empire.

It was impressed on the committee that we were already not seeking to injure the British fishing industry by adding to the competition it has to meet from foreign importations, but that we did feel that there might be some means found by which the very large British importations of fresh fish from Norway, Germany, and Denmark could be displaced by fresh fish from the Maritime Provinces of Canada, to the end that our fishermen might be retained therein and profitably employed.



## POSSIBILITIES OF RELIEVING CANADIAN SITUATION

It was pointed out there are two ways by which the situation in Eastern Canada could be improved: One is by the shipment of fresh fish in ice to the British market. The committee was informed that it had been clearly demonstrated that such fish can be landed overseas in excellent condition but that transportation difficulties retard development until the volume of the traffic, by some means, has grown sufficiently to overcome them of itself. The other is by freezing the fish under the quick process known as brine freezing which leaves the fish, when defrosted, with all the original juices it contained when taken from the sea. It was pointed out that the Canadian fishing grounds were so near the shore in many places as to make possible the landing of fish almost alive, and, if frozen, could be placed on the British markets in a much better and fresher state than most of the so-called fresh fish landed there direct from the fishing grounds.

The committee was further informed that the marketing of brine frozen fish would have this great advantage: the fish need not be dumped on an over-supplied market, but could be held in storage until the markets had recovered and prices had risen.

The adoption of this means of marketing by the British trade, as well as the Canadian trade, would stabilize supply, demand and prices and push out the existing antiquated method of hurrying fresh fish to market and selling them immediately, whether the supply is such as to constitute a glut or a scarcity.

## CANNED SALMON

On the strength of a memorandum dealing with the marketing of cans of salmon for sale in Great Britain, which was submitted to the committee two years ago and which we were called upon to bring up to date, the committee was instrumental in securing an amendment to the British Merchandise Marks Act last year, which calls for the country of origin to be shown on the can or label when the goods are exposed for sale.

By this means, the British consumer will be enabled to select Empire canned salmon in preference to the foreign product. It has to be noted, however, that this is in the nature of a two-edged weapon and unless British Columbia packers scrupulously maintain a high standard of quality, the name Canada on a can of salmon may work to their disadvantage. The effect of the amended marking act is meantime being closely followed.

With a view to having the information passed on to the Empire Marketing Board, we drew the committee's attention to three cases of evident unfair marking. Such canned salmon from three British dealers were found to be on sale in Calcutta, India, as well as in England. In the one case the label simply named the contents as "Fresh Salmon". There was nothing to show whether the fish were sockeye or chums, and nothing to indicate whether the fish were canned in Siberia or Canada. In the second case the Union Jack was prominently displayed on the label, no doubt to give the impression that the contents were produced within the Empire, but in very small letters appeared the legend "Product of Siberia". In the third case the contents were designated "Salmon Steak". No doubt all three consisted of cheap Siberian salmon, which, under an Imperial masquerade, were being sold at a British Columbia sockeye price.

## SCIENTIFIC RESEARCH

The committee was informed in a full manner of what is being accomplished in research work in Canada, through the agency of the Marine Biological Board. It was explained that a biological station is maintained at St. Andrews, N.B., where scientists from the various universities carry on marine research during

the summer months, which is followed up later at their respective universities; that an experimental station had been established at Halifax, N.S., within the last two years for applying the scientific knowledge obtained to the practical work of the industry; that two similar stations were maintained on the Pacific coast, and that research work was also being carried on in the inland lake waters.

As an example of what is being done towards applying scientific knowledge to commercial practice, it was pointed out that a small plant is nearing completion at the Halifax station for the purpose of testing and demonstrating the economic value of the adoption of brine freezing for storing and marketing fresh fish, and that similar work is being undertaken at our Prince Rupert station.

In this connection, it is highly gratifying to find that the committee's principal recommendation is in effect what we suggested and what we are now doing at our experimental stations: That, as the prime essential in improved marketing of fresh fish lies in preserving it in the best condition for sale when and where markets are suitable, and that co-ordinated research such as we are already conducting at Halifax be started on both sides of the Atlantic with a view to determining the best means of preservation.

In addition to the formal evidence given to the committee by us, we had the opportunity of going more fully into the details connected with our fish marketing problems when the committee's report was being drafted and discussed.

#### PERSONAL INVESTIGATIONS

In the intervals between the various meetings of the committee, we frequently visited Billingsgate market; we also visited the markets of Grimsby, Liverpool, and Fleetwood, saw the conditions at first-hand and studied prices and methods of distribution.

In general, we found conditions to be still such as were described by Mr. Cowie in his pamphlet "New Markets for Canadian Fish", covering the result of his investigation of two years ago.

We confirmed the conclusions then reached by him, that there is room in the British market for considerable supplies of fresh fish in ice, such as haddock mainly, of flat fish, also skate wings of the right size and kind, and possibly some cod, during the fall and winter months when bad weather interferes with fishing operations over there and prices are frequently high. Remunerative trading even at that time of the year, however, will depend altogether on the sending of moderate supplies to begin with, of fish of the freshest quality and of the sizes required in packages to suit the established trade.

We found that for haddock, flat fish and skate, the desirable box would be 27 inches long, 15 inches wide and 9 inches deep, inside measurement of half inch for the sides and three quarters inch for the ends, with two thin wire straps round each end to give support. A box of this size contains 6 stones or 84 pounds of fish besides the necessary ice. It is very advisable, however, to add a few pounds more at the time of original packing to allow for some shrinkage in weight. In the event of fairly large cod being shipped, the use of a box measuring inside 30 inches long 18 inches wide, and 9½ inches deep would be advisable.

Each of the following sizes of haddock should be packed separately: one and a half to two pounds; over two and up to three and a half pounds; and over three and a half pounds; all with the head on including the gills but with the guts removed. Cod should be packed separately in sizes of ten to fourteen pounds, and of over fourteen pounds with the head on including gills but with the guts removed. Skate wings of medium size are most desirable, and those with white bellies known in the trade as "roker" bring the best price. These could be shipped in haddock boxes.

Shipments of fresh fish in ice from Canada would have to be sent on consignment, and as the price in that, as in any consignment market, is determined not only by the supply and the demand on any particular day, but by the condition and size of the fish, the suitability and weight of the package and the nature of the packing, we cannot do better here than repeat and emphasize what was said in Mr. Cowie's pamphlet above referred to, viz.: "If this business is to be sought after in earnest, I would warn you against the danger of each shipper setting out to do as he pleases. Unsatisfactory shipments at the beginning, may wreck the possibilities of a great trade for many years. The business should be undertaken, therefore, in a systematic way. While any individual shipper is free to ship his fish overseas, there should be for the protection of all, and in order to secure and conserve this business which is of interest to the country as a whole, some sort of organized supervision of the shipments to insure uniformity in size and kind of package, in weight and quality of fish and in the method of packing and icing also to regulate shipments from this side and their distribution on the other side, in order, as far as possible, to avoid well supplied market days."

In other words, shippers should co-operate to the extent of having all shipments made up and forwarded under the supervision and control of a shipping committee or of a shipping committee in each district where two or more shippers desire to test this overseas market.

The opening up of this market would be of far reaching benefit to our shore fishermen particularly who produce fish of the more desirable quality. But as there are shipping difficulties to be overcome and as risks of loss would have to be undertaken in the beginning we would commend to the consideration of the department, the matter of giving to shippers financial aid of some kind during the few initial months to overcome discouragements that may arise from consignments arriving on unremunerative market days, and to enable them to hold on and continue until the trade has obtained a sufficient foothold to take care of itself.

While we feel that there is at present room for such a trade during the season indicated above, we at the same time strongly feel that if and when the shipment of brine frozen fish with all the advantages derivable from the storable quality of such can be developed, the benefits flowing therefrom would be immensely greater than under existing conditions, because the demand for and the price of fresh fish in summer would then be equal to what it is now in the fall and winter.

### CANNED FISH

We further looked into the possibility of increasing our fish exports by the development of a trade in canned fish other than salmon and lobsters, and feel that there is room for such, particularly special lines of our Atlantic sea fish prepared in this way. But any development along this line would call for concentrated and sustained effort to find an opening.

### BY-PRODUCTS AND UNUSED FISH

We looked closely into the question of the utilization of fish offal and fish that for various reasons are unmarketable in Great Britain, and we have reached the conclusion that there is a great and ever-widening market for fish meal of the desired quality produced from such.

The initial cost of the machinery for meal making is very considerable. While efforts are being, at present, made to a limited degree to utilize the waste from steam trawler fishing in Canada, the great field covered by our shore fishermen along the Atlantic coast lies, as yet, untouched.

When we consider the great economic benefit now derived by raisers of cattle and pigs by reason of the fact that every scrap of what was at one time waste material is utilized in the manufacture of some by-product, the marketing of which has enhanced the value of such animals, and when we know that there is an unsatisfied market-hunger for the right quality of meal from fish waste, we feel that the throwing away of 30 per cent of the large quantities of fresh fish brought to land by our shore fishermen is a serious economic loss, which might readily be avoided.

There are machines now capable of extracting a sufficient quantity of the oil from such fish as dogfish and leaving a high-class meal fit for animal and poultry feeding. If, then, fish-meal-making plants at which dogfish could be used as well as the waste from cod and haddock and such like non-oily fish were in operation at several centres to which material could be taken from stretches of coast on either side, it would be a very great inducement to fishermen to increase their fishing and earning power.

It is well known that at present when dogfish come on the coast, fishermen practically stop operations rather than continue hauling their lines loaded up with these fish and with very few or none of the food fishes. But, if the shore fishermen were once assured that they could dispose of every dogfish and every other non-edible fish at a price to a meal-making plant, in addition to the benefit they would derive from the increased quantity of edible fish they would then bring to land, their outlook and material state would quickly change.

We strongly feel that the establishment of central meal-making plants on the Atlantic coast is of as much importance as the finding of new markets for fish as a means of rebuilding our fishing fleets and retaining our fishermen. If, therefore, firms of standing engaged in the fisheries could be induced and encouraged to take hold of this means of development, there would appear to be no room for doubt that a shore fishery greater than has yet been on the Atlantic coast would quickly emerge from its present low unprofitable state.

To summarize, in conclusion, the main features of the foregoing report, which in our opinion would bring immediate beneficial results to the fishing industry of our Maritime Provinces, we would note that these are two, namely:—

1. The marketing of fresh fish in ice in Great Britain and
2. The establishment of meal-making plants to take care of the great amount of material at present being wasted.

## APPENDIX NO. 11

## REPORT ON THE FISHERIES OF THE MACKENZIE RIVER DELTA

INSPECTOR V. A. M. KEMP, R.C.M.P.

Pacific salmon have not been seen about the mouth of the MacKenzie, or along this portion of the Arctic coast, as far as is known to the R.C.M. Police or from inquiries among the natives.

A species of salmon, variously called "Arctic Trout" and "Salmon Trout," is found in the salt waters around the coast, but as the water for some distance around the mouth of the MacKenzie and east and west along the coast for a radius of twenty or thirty miles, is fresh these are not found in the immediate vicinity of the Delta. The salmon trout referred to are of a dark green colour with light coloured bellies, and their weight runs from about two to six pounds. The meat is very similar to Pacific salmon both as to colour and taste. These fish are speckled reminding one somewhat of the speckled trout found in the rivers in the eastern part of Canada.

Apart from these salmon trout the other salt water fish found on the coast are herring and tom cod. The herring are the most numerous fish on the coast and as they are entirely similar to their brethren met with elsewhere in salt water fisheries, I will not describe them. The tom cod is a small fish from four to eight inches in length, and is found in the waters after freeze up begins, as the natives catch them by jigging through the ice. They are rather tasteless as to meat, and in view of their diminutive size, it takes a considerable catch, to make a satisfactory meal particularly for the natives to whom fish is one of the main foods. Whether these fish migrate when the severe winter sets in I am unable to state.

In the fresh waters of the Delta, the fish caught are white fish, jack fish, loche, crooked backs and conie. The first three named are fairly numerous, as are also the crooked backs. The conie is not so frequently met with as the others, but owing to its bulk, a considerable amount of the meat is secured. The conie weighs up to thirty and forty pounds, and Stefanson, who traces the origin of the name to the French "L'inconnu" states he has heard of them reaching as high as seventy pounds, although the largest he saw weighed forty pounds. He also states that this fish used to be called MacKenzie river salmon, although it bears no resemblance to the usual variety of salmon.

The two best places for fishing in the district appear to be Shingle Point and Kittagaruit. The former place is for salt water fishing and herring are the most common fish caught there. At Kittagaruit, just below the mouth of the river, the water is fresh, and white fish, crooked backs and conie are found there.

As marine animals are included in the definition of "fish" according to the Fisheries Act, I might mention that white whales are fairly numerous around the mouth of the Mackenzie river. At White Fish Station, some eight miles from Moose river, the most Westerly outlet of the MacKenzie, these white whales are fairly plentiful, and the natives hunt them at this place, which owes its name to the whale in question, the native name for it being "White Fish." It is highly prized by the Eskimos who eat the flesh and use the skin for water proof boots.

Bow-head whales are rarely seen in the waters close to the coast, and I believe it is some years since one was seen close to Herschel island. One is occasionally sighted off Baillie island, but they are by no means common even in those parts.

Hair seals are of course fairly numerous, and are much sought by the natives, who use the skins for clothing and the meat for food.

The above report covers the various species of fish found in salt and fresh waters in the vicinity of the MacKenzie Delta.

CANADA  
DOMINION BUREAU OF STATISTICS  
FISHERIES STATISTICS BRANCH

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# FISHERIES STATISTICS OF CANADA

1927

(Prepared in collaboration with Dominion and Provincial  
Fisheries Departments)

Published by Authority of the Hon. James Malcolm, M.P.  
Minister of Trade and Commerce



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## PREFACE

This Report is issued under an arrangement for statistical co-operation between the Dominion Bureau of Statistics and the Government branches having jurisdiction with regard to fisheries throughout Canada. These branches comprise: The Dominion Fisheries Branch of the Department of Marine and Fisheries, which exercises jurisdiction over the fisheries of the Maritime provinces, the Prairie provinces and British Columbia, and the Fisheries Branches of Ontario and Quebec, which have jurisdiction over the fisheries of their respective provinces, excepting in the case of Quebec, the fisheries of the Magdalen Islands, which are under the jurisdiction of the Dominion Fisheries Branch. The province of British Columbia has a Fisheries Branch, but it does not engage in independent statistical work.

Under the arrangement above referred to, the statistics of the catch, and of the products marketed in a fresh state or domestically prepared, are collected by the local officers of the Fisheries Branches, checked in the Department of Marine and Fisheries, and compiled in the Dominion Bureau of Statistics. In the case of manufactured fish products, schedules in conformity with those of other sections of the Census of Industry are sent by the Bureau to the operators of canneries, fish-curing establishments, etc., the fisheries officers assisting in securing an expeditious and accurate return. The grateful acknowledgements of the Bureau are tendered to the officers of the provincial governments who co-operate in these arrangements.

R. H. COATS,  
*Dominion Statistician.*

DOMINION BUREAU OF STATISTICS,  
OTTAWA, July 30, 1928.

## THE FISHERIES OF CANADA

**The Early Fisheries**—Fishing is one of the historic industries of Canada. From a date which precedes authentic record, the Normans, the Bretons and the Basques were on the cod-banks of Newfoundland. Cabot, in 1498, when he first sighted the mainland of North America, gave it the name of "Bacalaos," the Basque word for codfish, which he found already in use among those hardy seamen. Cape Breton, one of the oldest place-names in America, is another memorial of the early French fishermen,—and the Spaniards and the Portuguese were but little behind. Fernandez de Navarrete mentions all three as frequenters of the "Grand Bank" before 1502. The fishing was by hand lines over barrels made fast to the bulwarks to prevent fouling, the vessels remaining during fine weather, then returning to France with from 30,000 to 50,000 cod. Voyages along the coast soon showed the cod as plentiful inshore as on the outer banks, and it became common for a crew to anchor in a bay, erect a hut on shore, and make daily excursions to the fishing grounds—the product being salted and dried on land and at the end of the season shipped to France. Jacques Cartier, when he went up the St. Lawrence in 1534, found traces everywhere of these early "Captains Courageous" and of their rivalries in arms no less than in the capture of the teeming product which had tempted them so far from home. An establishment of the kind just mentioned was founded at Tadoussac by Chauvin in 1599. Soon the fishermen began to stay all winter and thus to erect permanent fishing settlements. The first grant of the fisheries of Canada was made by the King of France to de Monts in 1603. Fishing, therefore, may well be regarded as the first industry to be systematically prosecuted by Europeans in what is to-day the Canadian domain. It has never since ceased to yield a perennial harvest both to Europe and America.

By the Treaty of Utrecht in 1713, Britain became the owner of Newfoundland and excluded France from fishing and drying fish on certain sections of the coast, but France retained the Fisheries of Cape Breton and the Gulf. The Seven Years War (1756-1763) put a stop to continuous fishing. At its close, the Robin family of Jersey came to Canada, and gradually acquired the former French fishing stations. Until the arrival of the Loyalists all other fishing but cod was neglected. Inshore fisheries alone (including those of the Labrador coast) were developed during this phase; no deep-sea fishing vessel put out from Lunenburg, now the chief centre of the deep-sea fishery, until 1873.

**The Canadian Fishing Grounds**—Canada's fishing grounds are perhaps the most extensive in the world. On the Atlantic, from Grand Manan to Labrador, the coast line, not including the lesser bays and indentations, measures over 5,000 miles. The bay of Fundy, 8,000 square miles in extent, the gulf of St. Lawrence, fully ten times that size, and other ocean waters comprise not less than 200,000 square miles, or over four-fifths of the area of the fishing grounds of the North Atlantic. In addition there are on the Atlantic seaboard 15,000 square miles of inshore waters controlled entirely by the Dominion. Large as are these areas they represent only a part of the fishing grounds of Canada. Hudson Bay, with a shore 6,000 miles in length, is greater in area than the Mediterranean Sea; the Pacific coast of the Dominion measures 7,180 miles in length and is exceptionally well sheltered, whilst throughout the interior is a series of lakes which together contain more than half of the fresh water on the planet, Canada's share of the Great Lakes alone amounting to over 34,000 square miles, a total which of course does not include lake Winnipeg (9,457 square miles), lake Manitoba, and others of even greater area.

Still more important than the extent of the Canadian fishing grounds is the quality of their product. It is an axiom among authorities that food fishes improve in proportion to the purity and coldness of the waters in which they are taken. Judged by this standard, the Canadian cod, halibut, herring, mackerel, whitefish and salmon are the peer of any in the world. It is possible, therefore, to state that by far the most valuable fisheries of the western hemisphere, if not of the globe, belong to Canada.

It will be seen from the above that it is impossible to deal with the Canadian fisheries in the aggregate; they are those of a continent rather than of a country, and are of corresponding diversity. Omitting the tremendous Hudson Bay and peri-Arctic region, which extends from Ungava to Alaska, and which is known to contain a number of valuable food fisheries in addition to its whaling grounds, there are roughly the following divisions of the Canadian fisheries:

1. ATLANTIC FISHERIES.—These were the first Canadian fisheries in point of time and until 1918 they remained the most important for aggregate value of product. Cod, halibut, haddock, hake, herring, mackerel, lobster, oyster and hair seal fisheries are included. The estuarian and inland waters of the Maritime provinces and of Quebec are sometimes considered as distinct; if they are added, the list of products would embrace the salmon, the shad, the gaspereau (alewife), the smelt, the striped bass, the tom cod, the trout and the maskinonge. Conditions are fairly uniform throughout these fisheries, which are commonly divided into the inshore and deep-sea fisheries. The inshore or coastal fishery is carried on in small boats usually motor driven, with crews of two or three men, and in a class of small vessels with crews of from four to seven men. The means of capture employed by boat fishermen are gill nets and hooks and lines, both hand lines and trawls; whilst from the shore are operated trap nets, haul seines and weirs. Haddock as well as cod is a staple product; during the spring and summer it is split and salted but the important season comes with the autumn, when the fish are shipped fresh or else smoked and sold as finnan haddie. The deep-sea fisheries are worked by vessels of from 40 to 100 tons, carrying from twelve to twenty men operating with trawl lines from dories. The fleets operate on the various fishing banks, such as Grand Bank, Middle Ground and Banquereau. The vessels, built by native hands, remain at sea, sometimes for months at a time, and in the hands of sailors who have no superior, seldom come to grief. When they return, the fish, which have been split and salted on board, are taken on shore and washed and dried. The West Indies are the chief market for this product; no cod fish in the world stands the tropical climate like that cured by Nova Scotia fishermen. Steam trawling, as it is carried on in the North Sea, was introduced on the Atlantic coast of Canada several years ago. There are now 14 steam trawlers operating from Nova Scotia ports. They operate practically the whole year and their catches are utilized entirely for the fresh fish trade.

Lobstering is another distinctive industry. In 1870, there were three lobster canneries on the Atlantic coast of Canada; in 1927 the canneries numbered 438 and gave work to 6,180 people; 30,000,000 lobsters is a normal catch. The difficulty of enforcing regulations as to the capture of undersized and spawning lobsters offers a constant problem in connection with the output, but a decline is now thought to have been arrested. Oysters, once plentiful everywhere, are now found in somewhat diminished quantities. The canning of sardines, which are young herrings and not a distinct type of fish, in New Brunswick equals in importance the lobster industry of that province.

The fishing population of the Maritime provinces is a specialized and stable industrial class. The coast-wise fisheries are operated from April to November, or to January in sheltered districts; and though the larger vessels work all winter, several thousand men are available for a time each year for other employment. This they find about the small plots of land which the most of them own or occupy, in the lumber camps of New Brunswick, or in the collieries of Nova Scotia. A few from Lunenburg and other centres engage in the West Indian trade. Apart from restrictions of weather and close seasons, the prevailing method of paying the men on shares has a further tendency in years of low catches or prices to drive them into secondary occupations.

In view of the various disabilities attaching to the industry, an act of the provincial legislature of Nova Scotia was passed in 1905, which provided for the organization of fishermen's unions or "stations" throughout the province, in affiliation with a central body, to meet annually for the discussion of common problems

such as transportation facilities, the cordage supply, prices, methods of catching and curing fish, etc. Several successful conventions have been held. In New Brunswick similar legislation was enacted. After a few years' existence, however, the unions ceased to operate, and fishing activities are again prosecuted independently by the various individuals and firms interested.

2. INLAND FISHERIES.—The Great Lakes and tributary waters of the St. Lawrence are a second great division of the Canadian fisheries. Whitefish, trout, pickerel, and lake herring are the most important commercial fishes of Ontario, though pike, sturgeon and coarse fish yield a fair return. The value of the inland fisheries of Quebec lies chiefly in the output of the eel and pickerel or dore fisheries. The story of the Great Lakes fisheries is one of reckless early depletion and subsequent slow recovery by restocking. Single hauls of 90,000 whitefish were once common; in the Detroit river the fish used to be driven into pens where they were captured or died by the hundreds of thousands, and were used later as fertilizer. All this reaped its reward in barren waters and a demoralized market. The season on the Great Lakes lasts from six to eight months, and though fishing through the ice is followed by many, a large number depend on miscellaneous employment between the seasons. Moving westward, lake Winnipeg, lake Winnipegosis, lake Manitoba and the smaller lakes to the north and east furnish most of the fish products of Manitoba. Whitefish and pickerel are the chief products, but pike, tullibee, goldeye and many other varieties abound. In Saskatchewan and Alberta commercial fishing is confined to the regions north of the Saskatchewan river, where whitefish in large quantities are taken. The problem of transportation is keenly felt; some of the greatest lakes of the continent—Reindeer, Athabaska, Great Slave, Great Bear—and hundreds of smaller bodies of water are still beyond reach from a marketing point of view. The lakes of the west, however, repeating the part which the St. Lawrence played in the days of the French regime, and the cod banks in the history of New England, have assisted greatly in the settlement of the country by providing a much needed food supply for early arrivals.

3. PACIFIC FISHERIES.—In British Columbia there is an interior fishing region which corresponds in the main to the prairie section; in the early history of the province it is doubtful if the fur trade (which opened the door by way of the Rocky Mountains to later enterprise) could have established its footing but for these fisheries. The great wealth of British Columbia, however, in this respect—the source from which she produces approximately two-fifths of the fish products of Canada, and has built up a trade which reaches to the ends of the earth—is in the estuarian salmon fisheries of the Fraser, the Skeena, the Naas, and other rivers of the Pacific slope. Every species of this king of food fishes known to the waters of the Pacific (which, however, is not the true salmon) is to be found on the British Columbia coast—the sockeye, the spring, the coho, the pink and the chum salmon. Of these, the sockeye is by far the most important, owing to its abundance and to its prevailing deep red colour and excellent texture, which have created so keen a demand for it in the British market. On the Fraser river, which used to be the chief source of supply, but which has now yielded place to the Skeena and other northern waters, the yield varies to a considerable extent from year to year. The run begins late in July and is at its height in the opening weeks of August, though the northern rivers have a somewhat earlier season. The spring or quinnat salmon is a much larger fish; it was the species first used in the United States for canning. The run begins early in the spring and continues until July. The cohoes are smaller, running like the sockeye in compact schools, during September and October on the Fraser and earlier on the northern streams. The chum salmon is salted for export to the Orient and a considerable quantity also is canned. The pink salmon again follows the sockeye. Many of the employees in this fishery are Chinese, Japanese and Indians, the Chinese preponderating in the canneries and the Indians and Japanese in the fishing operations.

Until recent years the other coastal fisheries of British Columbia were only slightly developed. Halibut abounds off Vancouver island and between the Queen

Charlotte Islands and the mainland, and though the first endeavour to establish an industry was unsuccessful, by 1903 British Columbia supplied 10,000,000 pounds of 25,000,000 taken on the whole Pacific coast north of California. The former figure has since trebled. Similarly, the herring industry remained undeveloped until recently. There is also the whale fishery which has been organized in recent years and which has now two stations on the Queen Charlotte islands. The yearly catch includes whales of many kinds—sulphur bottom, finback, and humpback with an occasional sperm whale. Whale hunting is carried on in fast boats with Svend Foyn harpoon guns—a method which was introduced from Norway. Every scrap of the whale is used—oil, whalebone and meal are its more important products. Black cod, oulachon, smelts, pilchards, sturgeon, shad and bass are also abundant in British Columbia waters.

A word might be added with regard to the Canadian fur-seal fisheries of the Pacific whose historic headquarters were the city of Victoria. The industry has disappeared, in part through the scarcity of the animals, and in part through the workings of the Pelagic sealing treaty of 1911. The hair-seal fleets of the north Atlantic make St. John's, Newfoundland, their headquarters.

**Game Fish**—The above is a purely industrial and commercial survey. Fishing for sport, however, has its economic side in a country of such famous game fish as the salmon of the Restigouche, the black bass of the Quebec and Ontario highlands, and the trout of the Nipigon. A considerable public revenue is derived from the leasing of waters in sparsely settled districts to clubs and individuals for sporting purposes. Several hundreds of guides find employment here during the summer months.

**The Government and the Fisheries**—At Confederation, the administration of the Canadian fisheries and marine was placed in the charge of a department of the Dominion government which then exercised complete jurisdiction over the fisheries, under the supervision of a Cabinet Minister, with a large staff of inspectors, overseers and guardians to enforce the fishery laws. The expenditure of the Dominion on the Fisheries in the fiscal year 1928 was \$1,894,362 and its revenue \$234,855. In 1882, 1898, 1913 and 1920 decisions in the courts considerably altered the status of jurisdiction as between the Dominion and the provinces. To-day the Dominion controls the tidal fisheries of the Maritime provinces and British Columbia, the fisheries of the three Prairie provinces and the fisheries of the Magdalen Islands in Quebec Province. The non-tidal fisheries of the Maritime provinces and Ontario and both the tidal and non-tidal fisheries of Quebec (excepting the Magdalen Islands) are controlled by the respective provinces, but the right of fisheries legislation for all provinces rests with the Dominion government.

**Conservation.**—River and lake fisheries certainly, and sea fisheries probably, if left to themselves, conform to the economic law of diminishing returns. The Canadian government, accordingly, has had for a main object the prevention of depletion, the enforcement of close seasons, the forbidding of obstructions and pollutions, and the regulation of nets, gear and of fishing operations generally. In addition, an extensive system of fish culture has been organized, the Dominion operating 25 main hatcheries 6 subsidiary hatcheries and 4 salmon retaining ponds in 1927 at a cost of \$349,141, and distributing 295,283,782 eggs, fry and older fish, mostly British Columbia salmon and whitefish. The young fish are distributed gratis if the waters in which they are to be placed are suitable.

**Scientific Research.**—Stations under the direction of the Biological Board of Canada for the conduct of biological research into the numerous complex problems furnished by the fisheries are established at Halifax, N.S., St. Andrews, N.B., and Nanaimo and Prince Rupert, B.C. Toronto, McGill, Queens, Manitoba, British Columbia and the chief Maritime province universities send workers to both stations, chiefly professors and trained specialists. The life-histories of edible fishes, the bacteriology of fresh and cured fish, improved methods of handling and preparing fish, and numerous other practical problems have been taken up and scientific memoirs and reports issued.

**Direct Assistance.**—For the rest, the action of the government has been in the way of rendering direct assistance in specific cases of difficulty. Experimental reduction plants were operated for some years to encourage the capture of dog-fish. For some time, also, an expert was engaged to conduct a series of demonstrations in the Scottish method of curing herring with a view to improving the Canadian cured product. Under authority of the Fish Inspection Act, systems of instruction in improved methods of fish-curing and barrel-making and of inspection of the cured product by specially appointed officials have been in operation for several years. A quarterly bulletin of the sea fisheries is issued for the benefit of the trade. Finally, a fleet of armed cruisers patrols the coastal and inland waters for the prevention of poaching and the enforcement of regulations.

During the war it became desirable to increase as far as possible the consumption of fish, reserving the less perishable animal foods for export to our allies. The government therefore undertook to provide for the rapid transit of sea fish on its railway lines to the markets of the inland provinces, and to stimulate by a publicity campaign the consumption of fish. Much was accomplished in this direction, and the present annual per capita consumption of fish in Canada is estimated at upwards of 22 pounds.\* The government has done much to improve the fast freight service for fish products from the Atlantic coast to Montreal and Toronto.

**International Problems.**—So rich a fishing area as the North Atlantic could not fail to attract other countries, and old customs became elevated into rights, some of which have lasted until the present. The French shore is a Newfoundland question, now a sentimental one entirely. Very different is the question of the rights of the United States, whose fishermen in the colonial period provided the chief food supply for New England and who were granted by the Treaty of Versailles, 1783, a specific liberty to a share of the Canadian inshore fisheries. Losing this by the war of 1812, the United States after 1818 surrendered all but their liberty to call at Canadian ports for shelter, wood or water or to make repairs, and to fish around the Magdalen islands and on the north shore of the Gulf of St. Lawrence from Point Joli eastward, and to dry and cure their fish in any of the unsettled bays, harbours and creeks on this portion of the North shore. In the years 1854-1866, the Reciprocity Treaty set at rest for the time questions of interpretations to be placed on certain parts of the Treaty of 1818. The former Treaty provided for the admission into either country, duty free, of the fish and fish products of the other, and United States fishermen were allowed to fish in Canadian Atlantic territorial waters and Canadian fishermen in certain United States territorial waters on that coast, with the exception in either instance of rivers and mouths of rivers, and for shell fish. In 1871, the Treaty of Washington revived the fishery provisions of the Reciprocity Treaty of 1854, and provided for the appointment of a commission to determine the amount of compensation to be paid by the United States to Great Britain as the difference in the value of the concessions mutually granted. This commission sat in Halifax in 1877, and its findings have since been known as the "Halifax Award." The amount of the award was \$5,500,000, of which \$1,000,000 was apportioned to Newfoundland. In 1885, however, the United States terminated the fishery articles of this Treaty, and a period of disagreement between the countries followed. A settlement was negotiated in 1888 when the plenipotentiaries appointed by the two nations agreed to what since has been known as the "Unratified Treaty of 1888," under the terms of which United States fishing vessels would be granted, without fee, annual licenses authorizing them to purchase in Canadian ports provisions and outfits, to tranship their catches and to ship crews. Out of this treaty grew the so-called *modus vivendi* licenses. The treaty makers recognized that the treaty could not receive the sanction of the governments of the countries concerned before the commencement of the fishing season and, as a temporary arrangement to last not longer than two years, it was agreed that United States fishing vessels on the payment of a fee of \$1.50 per registered ton, should receive annual licenses

\* This estimate is based on the quantity of fish caught and landed in Canada, plus the quantity imported and minus the quantity exported.

conveying the privileges covered by the treaty. The treaty was rejected by the United States Senate, but Canada continued to issue *modus vivendi* licenses up to 1918, when arrangements were made for reciprocal privileges in the ports of either country. This arrangement was discontinued in the United States when their special war legislation under which it was made, ceased to be effective on July 1st, 1921. The following year the *modus vivendi* licenses were revived in Canada; but the system was discontinued at the end of 1923, and United States fishing vessels are now limited to the provisions of the Treaty of 1818.

On the Great Lakes, also, the more important fishery problems, such as restocking and marketing, are necessarily international in character, and are complicated by the number of state governments interested. Much the same situation has developed in British Columbia, where the sockeye of the Fraser are taken by the canners of Puget Sound in quantities that largely exceed the catch of the Canadian canners and by trap nets and other methods forbidden in Canadian waters. In 1906 an international commission first discussed the question, while in 1922, prohibition of sockeye fishing in the Fraser for five years, with a view to conservation, was recommended by a Parliamentary commission.

The Halibut Fishery on this side of the Pacific is engaged in only from Canadian and United States ports, but owing to the fact that it is largely carried on beyond territorial waters neither country alone can control it. At the same time it is in the interests of both countries that the fishery should be permanently maintained in a flourishing condition. The question of finding an adequate method of dealing with the matter was therefore one of those that was referred to the Canadian-American Fisheries Conference that was appointed in 1918 by the governments of the two countries to consider a settlement of out-standing fishery questions between Canada and the United States. In 1922 Canada proposed that the halibut question should be considered by itself. This was agreed to, and resulted in the Treaty of the 2nd of March, 1923, "For the Protection of The Pacific Halibut." Under this Treaty a close season is provided for halibut fishing from the 16th of November in each year to the 15th of February following, both dates inclusive.

**Fishing Bounties.**—An important though indirect aftermath of the Washington Treaty remains. By an Act of 1882 (45 Vict., c. 18) for the development of the sea fisheries and the encouragement of boat building, provision was made for the distribution annually among fishermen and the owners of fishing boats of \$150,000 in bounties, representing the interest on the amount of the Halifax award. An Act of 1891 (54-55 Vict., c. 42) increased the amount to \$160,000, the details of the expenditure being settled each year by Order in Council.

**The Modern Industry.**—The existing fishing industry of Canada is the growth of the past century. In 1844, the estimated value of the catch was only \$125,000. It doubled in the following decade, and by 1860 had well passed the million mark. Ten years later it was six millions, and this was again more than doubled in 1878. In the 90's it passed twenty millions, and in 1911, thirty-four millions. In 1927 it was forty-nine millions. The highest record was reached in 1918, with over sixty millions. It will be understood that these figures represent the total value of fish marketed, whether in a fresh, dried, canned or otherwise prepared state. Meanwhile the number of employees has mounted to 80,000, and the total capital invested to \$50,000,000 in certain years.

Among individual fish products, the cod and the salmon long disputed the primacy; if the record back to the beginning is taken the cod is the most valuable fishery; in the past thirty years, however, the salmon has definitely taken the lead and the heavy pack and high price of lobsters have more than once sent cod down to third place. This has, of course, affected the relative standing of the provinces accordingly, British Columbia now occupying the leadership that in earlier times belonged to Nova Scotia. Halibut takes fourth place among the chief commercial fishes.

**Trade.**—For reasons already noted, the domestic consumption of fish is relatively small in Canada, and the trade depends largely upon foreign markets. Perhaps 60 per cent of the annual capture is an average export, of which the United States takes approximately one-third and the United Kingdom one-sixth. In the calendar year 1927, total exports amounted to \$34,814,448 of which \$14,613,034 went to the United States and \$5,408,547 to the United Kingdom. The most important single export is canned salmon (to the United Kingdom and European markets) followed closely by cod, dry salted (to the West Indies, South America, etc.) For fresh fish, especially whitefish and lobsters, the United States is the chief market. In brief, Canada's export trade in fish, falls below that of the United Kingdom and Norway alone; including Newfoundland it exceeds both. Canadian imports of fish in 1927, amounted to \$3,768,901.

## FISHERIES STATISTICS OF CANADA, 1927

The total value of production of the fisheries of Canada for the year 1927 was \$49,497,038, compared with \$56,360,633 in 1926 and \$47,942,131 in 1925. These totals represent the value of the product as marketed, whether fresh, domestically prepared or factory made. The following table shows the quantity caught and the value marketed of the chief commercial fishes (those valued at \$100,000 or upwards) for the past five years, with a statement in the final column of the increase or decrease for 1927 compared with 1926.

### 1. Quantity<sup>1</sup> and Value<sup>2</sup> of the Chief Commercial Fishes, 1923-1927

| Kind of Fish                |      | 1923       | 1924       | 1925       | 1926       | 1927       | Increase or decrease 1927 compared with 1926 |           |
|-----------------------------|------|------------|------------|------------|------------|------------|----------------------------------------------|-----------|
|                             |      |            |            |            |            |            | inc. +                                       | dec. -    |
| Salmon.....                 | cwt. | 1,561,738  | 2,024,675  | 1,933,260  | 2,180,470  | 1,541,447  | —                                            | 639,023   |
|                             | \$   | 12,534,515 | 13,784,920 | 15,760,630 | 19,607,082 | 15,065,063 | —                                            | 4,542,019 |
| Lobsters.....               | cwt. | 381,628    | 272,213    | 340,838    | 339,583    | 316,831    | —                                            | 22,752    |
|                             | \$   | 6,365,362  | 4,169,171  | 5,552,977  | 5,883,672  | 5,426,176  | —                                            | 457,496   |
| Cod.....                    | cwt. | 1,801,757  | 1,888,316  | 2,309,000  | 2,733,864  | 1,978,803  | —                                            | 755,061   |
|                             | \$   | 4,079,397  | 5,443,814  | 6,232,821  | 6,995,283  | 4,881,980  | —                                            | 2,113,303 |
| Halibut.....                | cwt. | 354,325    | 359,647    | 340,007    | 339,918    | 329,032    | —                                            | 10,886    |
|                             | \$   | 6,596,452  | 5,878,870  | 4,185,391  | 4,935,472  | 4,318,741  | —                                            | 616,731   |
| Herring.....                | cwt. | 1,841,062  | 2,127,432  | 2,413,973  | 2,423,457  | 2,724,113  | +                                            | 300,656   |
|                             | \$   | 2,659,804  | 3,147,123  | 3,117,841  | 3,238,919  | 3,358,098  | +                                            | 119,179   |
| Whitefish.....              | cwt. | 157,788    | 167,706    | 186,648    | 190,644    | 185,664    | —                                            | 4,980     |
|                             | \$   | 1,629,143  | 1,747,528  | 1,990,108  | 2,167,865  | 2,192,738  | +                                            | 24,873    |
| Pilchards.....              | cwt. | 19,492     | 27,485     | 318,973    | 969,958    | 1,368,582  | +                                            | 398,624   |
|                             | \$   | 92,036     | 82,845     | 182,911    | 2,256,721  | 2,838,867  | +                                            | 582,146   |
| Haddock.....                | cwt. | 304,565    | 337,860    | 344,386    | 496,802    | 421,709    | —                                            | 75,093    |
|                             | \$   | 1,046,808  | 1,013,253  | 1,171,555  | 1,754,846  | 1,483,844  | —                                            | 271,002   |
| Trout.....                  | cwt. | 68,232     | 76,858     | 81,292     | 78,710     | 92,007     | +                                            | 13,297    |
|                             | \$   | 823,767    | 990,321    | 1,097,728  | 1,051,196  | 1,397,294  | +                                            | 346,098   |
| Pickarel or doré.....       | cwt. | 103,869    | 101,610    | 86,877     | 126,086    | 140,019    | +                                            | 13,933    |
|                             | \$   | 909,471    | 1,010,015  | 1,056,169  | 1,385,856  | 1,347,589  | —                                            | 38,267    |
| Smelts.....                 | cwt. | 65,254     | 90,428     | 76,795     | 92,311     | 82,762     | —                                            | 9,549     |
|                             | \$   | 868,629    | 1,154,641  | 1,035,504  | 1,174,185  | 1,117,330  | —                                            | 56,855    |
| Sardines.....               | bbl. | 134,561    | 270,076    | 158,533    | 173,166    | 174,695    | +                                            | 1,529     |
|                             | \$   | 1,016,810  | 1,244,605  | 1,017,206  | 1,175,268  | 1,046,575  | —                                            | 128,693   |
| Tullibee.....               | cwt. | 23,785     | 42,346     | 61,804     | 101,525    | 121,764    | +                                            | 20,239    |
|                             | \$   | 127,661    | 175,268    | 290,754    | 645,945    | 633,150    | —                                            | 12,795    |
| Mackerel.....               | cwt. | 141,749    | 215,590    | 187,661    | 115,487    | 158,797    | +                                            | 43,310    |
|                             | \$   | 617,978    | 1,021,242  | 663,628    | 443,155    | 582,705    | +                                            | 139,550   |
| Ling cod <sup>4</sup> ..... | cwt. | —          | —          | —          | —          | 49,916     | —                                            | —         |
|                             | \$   | —          | —          | —          | —          | 401,259    | —                                            | —         |



1. Quantity<sup>1</sup> and Value<sup>2</sup> of the Chief Commercial Fishes, 1923-1927—concluded

| Kind of Fish                 | 1923    | 1924    | 1925    | 1926    | 1927    | Increase or decrease 1927 compared with 1926 inc. + dec. — |
|------------------------------|---------|---------|---------|---------|---------|------------------------------------------------------------|
| Pike..... cwt.               | 43,674  | 53,995  | 54,217  | 72,520  | 70,473  | — 2,047                                                    |
| \$                           | 197,024 | 230,261 | 278,369 | 407,181 | 356,992 | — 50,189                                                   |
| Clams and quahaugs..... bbl. | 44,040  | 60,357  | 54,986  | 54,230  | 57,712  | + 3,482                                                    |
| \$                           | 215,826 | 320,241 | 290,063 | 268,887 | 274,287 | + 5,400                                                    |
| Perch..... cwt.              | 31,049  | 29,387  | 27,532  | 30,498  | 34,573  | + 4,075                                                    |
| \$                           | 184,240 | 185,350 | 180,497 | 230,155 | 272,687 | + 42,532                                                   |
| Hake and cusk..... cwt.      | 93,520  | 192,811 | 174,136 | 151,051 | 177,370 | + 26,319                                                   |
| \$                           | 143,378 | 316,508 | 295,720 | 203,502 | 232,404 | + 28,902                                                   |
| Scallops..... bbl.           | 13,890  | 10,350  | 17,718  | 23,200  | 38,635  | + 15,435                                                   |
| \$                           | 85,205  | 70,655  | 97,751  | 151,926 | 217,932 | + 66,006                                                   |
| Oysters..... bbl.            | 22,949  | 28,982  | 21,428  | 22,255  | 21,650  | — 605                                                      |
| \$                           | 152,776 | 212,408 | 185,353 | 209,378 | 197,781 | — 11,597                                                   |
| Pickercel, blue..... cwt.    | 32,547  | 30,601  | 34,453  | 30,385  | 31,173  | + 788                                                      |
| \$                           | 179,011 | 168,306 | 275,624 | 182,310 | 187,038 | + 4,728                                                    |
| Soles..... cwt.              | 3,675   | 6,835   | 7,926   | 11,691  | 25,075  | + 13,384                                                   |
| \$                           | 28,757  | 35,431  | 51,144  | 74,798  | 143,893 | + 69,100                                                   |
| Sturgeon..... cwt.           | 5,431   | 7,174   | 6,243   | 5,198   | 4,788   | — 410                                                      |
| \$                           | 176,619 | 248,786 | 201,227 | 159,438 | 143,720 | — 15,718                                                   |
| Eels..... cwt.               | 14,367  | 15,635  | 15,675  | 24,466  | 15,928  | — 8,540                                                    |
| \$                           | 99,848  | 127,255 | 146,062 | 231,559 | 139,932 | — 91,627                                                   |
| Black cod..... cwt.          | 16,679  | 18,183  | 14,956  | 10,358  | 16,430  | + 6,072                                                    |
| \$                           | 136,492 | 130,334 | 114,315 | 89,371  | 123,421 | + 34,050                                                   |
| Swordfish..... cwt.          | 14,343  | 5,575   | 4,551   | 12,936  | 7,299   | — 5,637                                                    |
| \$                           | 155,020 | 96,157  | 73,209  | 207,248 | 120,692 | — 86,556                                                   |
| Goldeyes..... cwt.           | 6,130   | 6,597   | 7,263   | 11,685  | 11,485  | — 200                                                      |
| \$                           | 44,001  | 36,253  | 70,776  | 85,791  | 115,970 | + 30,179                                                   |

<sup>1</sup> Caught and landed.    <sup>2</sup> Marketed.    <sup>3</sup> The total values in 1926 and 1927 include pilchard oil and meal, while in 1925 these items were included under the common head of fish oil and fish meal.    <sup>4</sup> Included with cod prior to 1927.

## Review of the Fisheries of 1927

During the year under review, the quantity of fish landed, both sea and inland, was much less than in 1926, and the marketed value shows a considerable decrease.

The Province of Nova Scotia shows a decrease in value of a million and a half dollars from the 1926 value but is a half million dollars more than that of 1925. Unfavourable weather conditions during 1927 were responsible for a large part of the decreased catch in this province together with an over production in the months of November and December of 1926, when unusually mild and favourable weather conditions aided the fishermen in landing large quantities of fish. The catch of cod and haddock was much lower and gave a decrease in value of \$1,200,000 and \$270,000 respectively.

In the province of New Brunswick, where the drop in value was nearly a million dollars, there were smaller catches of cod, pollock, herring and lobsters. A larger quantity of sardines was landed, but the value marketed was less by \$170,000.

The value of the fisheries of Prince Edward Island shows a slight increase over that of the previous year, due to higher prices obtained for certain kinds of fish, although the catches in most instances were about the same or slightly less than in 1926.

In the sea fisheries of Quebec province, there were decreases in the catches of cod, herring and lobsters—three of the chief kinds taken. The catch of salmon was slightly less while a large increase in the catch of mackerel is recorded.

The increase in the value of the fisheries of Ontario was due to larger catches of herring, trout and tullibee. Although the catch of whitefish was slightly less than in 1926, a higher value was obtained.

The catch of whitefish in Saskatchewan shows an increase, with an increase of over \$60,000 in value. There was also an increased catch of pickerel. In Alberta there was a large decrease in the catch and value of pickerel, an increase in the catch of pike but a drop in value, more than double the catch of trout and a slight decrease in the catch of whitefish. The province of Saskatchewan is the only one of the three prairie provinces to show an increased value of production. This was due to increased catches of pickerel and whitefish. In the province of Manitoba there were larger quantities of pickerel and tullibee landed but, owing to lower prices, there was a drop in the marketed value of each. Fewer whitefish were taken. In the province of Alberta the total value is less despite the fact that some kinds of fish show large increases in the catch. Trout shows an increase from 3,907 cwt. to 10,882 cwt. with a corresponding increase in value, while tullibee also shows an increase in catch and in value. The catch of pike was considerably larger but the value somewhat less.

The province of British Columbia shows a considerable decrease. A big drop in the catch of salmon and a smaller catch of halibut were mainly responsible for the decrease. Much larger quantities of herring and pilchards were taken than in 1926.

#### ATLANTIC FISHERIES

*Cod, Haddock, Hake and Pollock.*—The total quantity of these kinds of fish landed was 2,612,743 cwt. as compared with 3,429,024 cwt. in 1926. For each kind of fish, in each of the provinces, with one or two exceptions, a decreased catch was reported. The greatest falling off was in the catch of cod in Nova Scotia which dropped from 1,858,944 cwt. in 1926, to 1,331,873 cwt. in 1927. The decrease in the catch of pollock in New Brunswick is noticeable, the figures for the year under review and the previous one being 38,271 cwt. and 7,693 cwt. respectively. Hake shows an increased catch in Nova Scotia, of 27,000 cwt. there being 119,431 cwt. landed. Of the total of these kinds of fish landed, there was sold fresh and fresh fillets 334,175 cwt. or a decrease of 105,106 cwt. There was produced smoked and smoked fillets 111,431 cwt. compared with 151,357 cwt. in 1926. The catch of the Lunenburg fleet was 227,590 quintals or 115,140 quintals less than in 1926. During the gale of August 24th, this fleet suffered the loss of four vessels and their entire crews. The total number of vessels engaged in fishing during 1927 was 83 or 9 less than in 1926. The prices received for the dried product, while slightly better than in the previous year, were still quite low. There were fourteen steam-trawlers operating out of Nova Scotia, seven from Canso and seven from Halifax. This was an increase of three.

*Mackerel, Herring and Sardines.*—A total of 1,270,158 cwt. of these fish was landed. In the previous year, 1,531,399 cwt. was landed or a decrease of 261,241 cwt. during 1927. In Nova Scotia the quantity of herring was less by 50,000 cwt., while the catch of mackerel was greater by nearly 5,000 cwt. About 10,000 cwt. less of herring, only half the quantity of mackerel and 6,000 cwt. more sardines were taken in New Brunswick. The demand for sardines after the American canners commenced buying was good but the run of sardines was somewhat light. In Prince Edward Island the catch of herring shows a decrease of 12,000 cwt. but owing to better prices the marketed value was only slightly less. The catch of mackerel was larger than in 1926. The catch of herring was much lower in Quebec while an increase of 48,000 cwt. of mackerel is noted.

*Other Sea Fish.*—The catch of halibut was greater by over 3,500 cwt. A decrease of over 5,700 cwt. is noted in the quantity of swordfish taken. The catch of tom cod was 22,744 cwt. and of flounders 9,383 cwt. This is an increase in the former and a decrease in the latter.

*Shellfish.*—The catch of lobsters was 316,831 cwt. which is a decrease of 12,751 cwt. from the 1926 catch and 24,007 cwt. from the 1925 catch.

The quantity of oysters taken was 19,462, which was slightly less than in 1926. Some 43,293 bbls. of clams were dug or an increase of over 1,500 bbls. The quantity of scallops taken shows a large increase, 38,635 bbls. being landed compared with 23,200 bbls. during 1926. None of these kinds of shellfish were landed in New Brunswick during the year, the quantity landed in Quebec was only one third of that landed in 1926, while the landings in Nova Scotia were just about double.

*River Spawning Fish.*—The quantity of salmon landed was 49,113 cwt. or 3,682 cwt. less than in the previous year. A decreased catch was recorded for each of the Atlantic provinces. There was a decrease of 17,962 cwt. in the catch of smelts, only 72,519 cwt. being landed.

The quantity of alewives landed in New Brunswick and Nova Scotia was 54,115 cwt., or a decrease of over 17,000 cwt. This fishery depends chiefly on the market for the salted product. As the market was bad during the year little interest was taken by the fishermen in this branch of the industry.

#### INLAND FISHERIES

The catch of whitefish was 185,664 cwt. compared with 190,644 cwt. in 1926. The province of Ontario, where the largest catch of this species is made, recorded a catch of 61,658 cwt., or a decrease of 2,391 cwt. Manitoba came second with 49,114 cwt. landed, a decrease of 5,008 cwt. Saskatchewan was third with 41,323 cwt. landed, an increase of 3,656 cwt. The quantity of pickerel landed was 140,019 cwt., or an increase of 13,933 cwt. Of the total, Manitoba contributed 99,813 cwt., an increase of 12,562 cwt. for that province. The province of Ontario shows a catch of 31,173 cwt. of blue pickerel, a slight increase over the catch for 1926. The catch of pike was 70,473 cwt. which was a decrease of over 2,000 cwt. from the previous year. The province of Manitoba contributed 40,166 cwt. to the total catch. A total of 58,099 cwt. of fresh water herring or ciscoes, was taken in the province of Ontario from the Great Lakes area. This was an increase of over 14,000 cwt. as compared with 1926.

#### PACIFIC FISHERIES

The marketed value of the fisheries of the Pacific coast shows a decrease of \$4,139,205. This is accounted for by much smaller catches of salmon and halibut. There were increased catches of herring and pilchards.

*Salmon.*—The catch of salmon was 1,490,395 cwt., a decrease of 536,160 cwt. The pack was much less—1,361,977 cases compared with 2,065,190 in 1926. Much of the decrease was due to an extension of the close season and other measures for the protection of the salmon. The catch of sockeye, while below the average, was considered fairly satisfactory. During the fall there was a large run of late sockeye salmon in the Fraser river similar to that which occurred in 1926. The catch of pinks shows a big decrease. Owing to intensive fishing for this species it was deemed necessary to take extra precautions such as extension of the weekly close season and early closing of the season, etc., to ensure sufficient numbers reaching the spawning areas. An average catch of cohoes was made while the catch of chums was somewhat less.

*Halibut.*—The catch of halibut decreased by 14,563 cwt. to 300,532 cwt. It does not appear that the close season now in force has materially affected the catch and it would therefore seem that an extension of the close season must be considered, or some alternative, if the halibut fishery is not to be depleted.

*Herring.*—The catch was 1,724,246 cwt. compared with 1,301,269 cwt. in 1926. Over one million hundredweight of dry salted herring was produced for sale in the Orient. In the reduction works there were 170,450 gallons of herring oil and 1,838 tons of herring meal produced.

*Pilchards*.—About 1,300,000 cwt. of pilchards was landed, or nearly fifty per cent more than in the preceding year. Pilchards are canned to a small extent, 58,000 cases being put up, which was more than double the pack of the previous year. The greatest use for this fish, however, is in the manufacture of meal and oil of which 2,673,876 gallons of the former and 12,169 tons of the latter were produced. The number of reduction establishments producing meal and oil from pilchards, herring and whales, was twenty-two and the value of their products (including the product of the whale factories) was \$2,289,952 or nearly double that of 1926.

*Whales and Seals*.—Two whaling stations were in operation during the year. The number of whales taken was 258 and the value of the products \$241,488. This was a decrease from 1926. There were 1,476 fur seals taken by Indians under the Pelagic Sealing Treaty, compared with 2,824 in the preceding year.

### SUMMARY OF PRODUCTION, 1927

The following table gives a statement for the whole of Canada of all fish caught and marketed during 1927. For each kind the total caught and the value at the vessel's or boat's side is first given, this being followed by statements showing the form in which each kind was marketed and the value.

#### 2. Quantity and Value of Fish Caught and Marketed, Canada, during the year 1927

| Kind of Fish                                       | Sea Fisheries    |                     |
|----------------------------------------------------|------------------|---------------------|
|                                                    | Quantity         | Value               |
| <b>Cod, caught and landed</b> ..... cwt.           | <b>1,978,803</b> | <b>\$ 3,448,038</b> |
| Marketed—                                          |                  |                     |
| Used fresh..... cwt.                               | 130,864          | 504,987             |
| Fresh fillets..... cwt.                            | 11,798           | 116,560             |
| Green salted..... cwt.                             | 124,306          | 510,894             |
| Canned..... cases                                  | 2,416            | 19,196              |
| Smoked..... cwt.                                   | 216              | 1,728               |
| Smoked fillets..... cwt.                           | 52,704           | 639,425             |
| Dried..... cwt.                                    | 447,656          | 2,682,197           |
| Boneless..... cwt.                                 | 23,825           | 229,777             |
| Cod liver oil, medicinal..... gal.                 | 92,597           | 84,688              |
| Cod oil..... gal.                                  | 214,024          | 92,528              |
| Total value marketed.....                          | —                | 4,881,980           |
| <b>Haddock, caught and landed</b> ..... cwt.       | <b>421,709</b>   | <b>727,182</b>      |
| Marketed—                                          |                  |                     |
| Used fresh..... cwt.                               | 160,145          | 570,409             |
| Fresh fillets..... cwt.                            | 21,366           | 235,144             |
| Canned..... cases                                  | 10,969           | 74,856              |
| Smoked..... cwt.                                   | 38,106           | 306,281             |
| Smoked fillets..... cwt.                           | 17,928           | 206,899             |
| Green-salted..... cwt.                             | 4,017            | 12,839              |
| Dried..... cwt.                                    | 17,744           | 77,416              |
| Total value marketed.....                          | —                | 1,483,844           |
| <b>Hake and cusk, caught and landed</b> ..... cwt. | <b>177,370</b>   | <b>132,588</b>      |
| Marketed—                                          |                  |                     |
| Used fresh..... cwt.                               | 6,696            | 10,466              |
| Fresh fillets..... cwt.                            | 650              | 4,000               |
| Green-salted..... cwt.                             | 39,171           | 80,995              |
| Smoked fillets..... cwt.                           | 2,478            | 22,317              |
| Dried..... cwt.                                    | 25,728           | 105,904             |
| Boneless..... cwt.                                 | 1,384            | 8,722               |
| Total value marketed.....                          | —                | 232,404             |
| <b>Pollack, caught and landed</b> ..... cwt.       | <b>35,050</b>    | <b>37,963</b>       |
| Marketed—                                          |                  |                     |
| Used fresh..... cwt.                               | 2,778            | 7,630               |
| Green-salted..... cwt.                             | 5,950            | 16,908              |
| Dried..... cwt.                                    | 7,443            | 37,919              |
| Boneless..... cwt.                                 | 14               | 140                 |
| Total value marketed.....                          | —                | 62,597              |
| <b>Whiting, caught and landed</b> ..... cwt.       | <b>69</b>        | <b>345</b>          |
| Marketed fresh..... cwt.                           | 69               | 487                 |

## 2. Quantity and Value of Fish Caught and Marketed, Canada, during the year 1927—con.

| Kind of Fish                                                        | Sea Fisheries |            |
|---------------------------------------------------------------------|---------------|------------|
|                                                                     | Quantity      | Value      |
| <b>Catfish, caught and landed</b> ..... cwt.                        | 1,105         | \$ 967     |
| Marketed fresh..... cwt.                                            | 1,105         | 3,851      |
| <b>Hallbut, caught and landed</b> ..... cwt.                        | 329,032       | 3,694,002  |
| Marketed—                                                           |               |            |
| Used fresh..... cwt.                                                | 328,736       | 4,315,372  |
| Smoked..... cwt.                                                    | 34            | 670        |
| Canned..... cases                                                   | 269           | 2,699      |
| Total value marketed.....                                           | -             | 4,318,741  |
| <b>Flounders, brill, plaice, etc., caught and landed</b> ..... cwt. | 12,856        | 27,369     |
| Marketed fresh..... cwt.                                            | 12,856        | 61,415     |
| <b>Skate, caught and landed</b> ..... cwt.                          | 8,305         | 10,558     |
| Marketed fresh..... cwt.                                            | 8,305         | 26,407     |
| <b>Soles, caught and landed</b> ..... cwt.                          | 25,075        | 82,448     |
| Marketed—                                                           |               |            |
| Used fresh..... cwt.                                                | 22,789        | 127,928    |
| Fresh fillets..... cwt.                                             | 762           | 15,970     |
| Total value marketed.....                                           | -             | 143,898    |
| <b>Herring, caught and landed</b> ..... cwt.                        | 2,660,912     | 2,028,167  |
| Marketed—                                                           |               |            |
| Used fresh..... cwt.                                                | 196,339       | 351,058    |
| Boneless..... cwt.                                                  | 4             | 48         |
| Canned..... cases                                                   | 9,476         | 41,743     |
| Smoked..... cwt.                                                    | 63,767        | 248,268    |
| Dry-salted..... cwt.                                                | 1,048,615     | 1,486,026  |
| Pickled..... bbl.                                                   | 33,086        | 185,758    |
| Used as bait..... bbl.                                              | 182,640       | 385,337    |
| Fertilizer..... bbl.                                                | 126,964       | 112,036    |
| Oil..... gal.                                                       | 193,770       | 69,616     |
| Meal..... ton                                                       | 2,702         | 137,334    |
| Scales..... cwt.                                                    | 2,820         | 10,281     |
| Total value marketed.....                                           | -             | 3,027,505  |
| <b>Mackerel, caught and landed</b> ..... cwt.                       | 158,797       | 399,970    |
| Marketed—                                                           |               |            |
| Used fresh..... cwt.                                                | 41,393        | 204,943    |
| Canned..... cases                                                   | 130           | 992        |
| Smoked..... cwt.                                                    | 37            | 424        |
| Salted..... bbl.                                                    | 39,121        | 376,271    |
| Used as bait..... bbl.                                              | 25            | 75         |
| Total value marketed.....                                           | -             | 582,705    |
| <b>Sardines, caught and landed</b> ..... bbl.                       | 174,695       | 202,536    |
| Marketed—                                                           |               |            |
| Canned..... cases                                                   | 240,091       | 888,336    |
| Sold fresh and salted..... bbl.                                     | 116,695       | 158,239    |
| Total value marketed.....                                           | -             | 1,046,575  |
| <b>Pilchards, caught and landed</b> ..... cwt.                      | 1,368,582     | 1,027,746  |
| Marketed—                                                           |               |            |
| Used fresh..... cwt.                                                | 2,017         | 3,482      |
| Canned..... cases                                                   | 58,501        | 230,582    |
| Used as bait..... bbl.                                              | 1,737         | 4,719      |
| Oil..... gal.                                                       | 2,673,876     | 982,786    |
| Meal..... ton                                                       | 12,169        | 617,298    |
| Total value marketed.....                                           | -             | 1,838,867  |
| <b>Alewives, caught and landed</b> ..... cwt.                       | 54,115        | 47,772     |
| Marketed—                                                           |               |            |
| Used fresh..... cwt.                                                | 11,393        | 15,745     |
| Smoked..... cwt.                                                    | 3,090         | 11,341     |
| Salted..... bbl.                                                    | 12,969        | 57,542     |
| Total value marketed.....                                           | -             | 84,628     |
| <b>Bass, caught and landed</b> ..... cwt.                           | 546           | 4,778      |
| Marketed fresh..... cwt.                                            | 546           | 10,043     |
| <b>Perch, caught and landed</b> ..... cwt.                          | 1,384         | 10,373     |
| Marketed fresh..... cwt.                                            | 1,384         | 12,420     |
| <b>Salmon, caught and landed</b> ..... cwt.                         | 1,539,508     | 8,811,031  |
| Marketed—                                                           |               |            |
| Used fresh..... cwt.                                                | 256,243       | 2,536,428  |
| Canned..... cases                                                   | 1,363,235     | 11,680,727 |
| Smoked..... cwt.                                                    | 571           | 10,081     |

## 2. Quantity and Value of Fish Caught and Marketed, Canada, during the year 1927—con.

| Kind of Fish                                             | Sea Fisheries  |                |
|----------------------------------------------------------|----------------|----------------|
|                                                          | Quantity       | Value          |
| <b>Salmon, caught and landed—con.</b>                    |                | \$             |
| Marketed—con.                                            |                |                |
| Dry-salted..... cwt.                                     | 81,670         | 322,218        |
| Mild cured..... cwt.                                     | 21,918         | 475,438        |
| Pickled..... cwt.                                        | 1,000          | 9,519          |
| Used as bait..... cwt.                                   | 93             | 232            |
| Roe..... cwt.                                            | 1,147          | 1,660          |
| Total value marketed.....                                | -              | 15,036,303     |
| <b>Shad, caught and landed..... cwt.</b>                 | <b>3,161</b>   | <b>24,816</b>  |
| Marketed—                                                |                |                |
| Used fresh..... cwt.                                     | 3,086          | 30,827         |
| Salted..... bbl.                                         | 26             | 732            |
| Total value marketed.....                                | -              | 31,559         |
| <b>Smelts, caught and landed..... cwt.</b>               | <b>73,623</b>  | <b>686,703</b> |
| Marketed fresh..... cwt.                                 | 73,623         | 1,044,615      |
| <b>Sturgeon, caught and landed..... cwt.</b>             | <b>387</b>     | <b>7,494</b>   |
| Marketed fresh..... cwt.                                 | 387            | 8,342          |
| <b>Trout, caught and landed..... cwt.</b>                | <b>2,103</b>   | <b>31,113</b>  |
| Marketed—                                                |                |                |
| Used fresh..... cwt.                                     | 1,977          | 31,999         |
| Canned..... cases                                        | 96             | 719            |
| Pickled..... cwt.                                        | 30             | 225            |
| Total value marketed.....                                | -              | 32,943         |
| <b>Black cod, caught and landed..... cwt.</b>            | <b>16,430</b>  | <b>85,167</b>  |
| Marketed—                                                |                |                |
| Used fresh..... cwt.                                     | 7,798          | 64,680         |
| Green-salted..... cwt.                                   | 19             | 207            |
| Smoked..... cwt.                                         | 3,969          | 52,305         |
| Smoked fillets..... cwt.                                 | 328            | 6,229          |
| Total value marketed.....                                | -              | 123,421        |
| <b>Ling cod, caught and landed..... cwt.</b>             | <b>49,916</b>  | <b>287,918</b> |
| Marketed—                                                |                |                |
| Used fresh..... cwt.                                     | 49,802         | 400,560        |
| Smoked..... cwt.                                         | 57             | 699            |
| Total value marketed.....                                | -              | 401,259        |
| <b>Red cod, caught and landed..... cwt.</b>              | <b>4,436</b>   | <b>15,753</b>  |
| Marketed fresh..... cwt.                                 | 4,436          | 22,479         |
| <b>Albacore, caught and landed..... cwt.</b>             | <b>3,362</b>   | <b>18,122</b>  |
| Marketed fresh..... cwt.                                 | 3,362          | 25,941         |
| <b>Caplin, caught and landed..... bbl.</b>               | <b>1,626</b>   | <b>3,084</b>   |
| Marketed fresh..... bbl.                                 | 1,626          | 3,299          |
| <b>Eels, caught and landed..... cwt.</b>                 | <b>1,374</b>   | <b>10,874</b>  |
| Marketed fresh..... cwt.                                 | 1,374          | 13,414         |
| <b>Greyfish, caught and landed<sup>1</sup>..... cwt.</b> | <b>175,931</b> | <b>43,520</b>  |
| <b>Octopus, caught and landed..... cwt.</b>              | <b>313</b>     | <b>1,757</b>   |
| Marketed fresh..... cwt.                                 | 313            | 2,241          |
| <b>Oulachons, caught and landed..... cwt.</b>            | <b>486</b>     | <b>2,706</b>   |
| Marketed fresh..... cwt.                                 | 486            | 2,800          |
| <b>Squid, caught and landed..... bbl.</b>                | <b>3,176</b>   | <b>7,632</b>   |
| Used as bait..... bbl.                                   | 3,176          | 10,065         |
| <b>Swordfish, caught and landed..... cwt.</b>            | <b>7,299</b>   | <b>88,090</b>  |
| Marketed fresh..... cwt.                                 | 7,299          | 120,692        |
| <b>Tom cod, caught and landed..... cwt.</b>              | <b>22,794</b>  | <b>41,479</b>  |
| Marketed fresh..... cwt.                                 | 22,794         | 97,595         |
| <b>Mixed fish, caught and landed..... cwt.</b>           | <b>9,795</b>   | <b>43,531</b>  |
| (Not including any kinds mentioned elsewhere).           |                |                |
| Marketed fresh..... cwt.                                 | 9,795          | 43,531         |

<sup>1</sup> Used in the manufacture of fish oil and fertilizer.

## 2. Quantity and Value of Fish Caught and Marketed, Canada, during the year 1927—con.

| Kind of Fish                                           | Sea Fisheries |            |
|--------------------------------------------------------|---------------|------------|
|                                                        | Quantity      | Value      |
| <b>Clams and Quahaugs, caught and landed.....</b> bbl. | 57,712        | \$ 122,334 |
| Marketed—                                              |               |            |
| Used fresh.....                                        | 18,004        | 57,174     |
| Canned.....                                            | 38,826        | 217,113    |
| Total value marketed.....                              | -             | 274,287    |
| <b>Cockles, caught and landed.....</b> cwt.            | 293           | 1,100      |
| Marketed fresh.....                                    | 293           | 1,100      |
| <b>Abalone, caught and landed.....</b> bbl.            | 433           | 3,031      |
| Marketed canned.....                                   | 433           | 6,062      |
| <b>Crabs, caught and landed.....</b> cwt.              | 8,539         | 42,843     |
| Marketed—                                              |               |            |
| Used fresh.....                                        | 7,467         | 59,107     |
| Canned.....                                            | 483           | 9,730      |
| Total value marketed.....                              | -             | 68,837     |
| <b>Lobsters, caught and landed.....</b> cwt.           | 316,831       | 3,962,072  |
| Marketed—                                              |               |            |
| In shell.....                                          | 86,907        | 1,979,059  |
| Meat.....                                              | 114           | 8,574      |
| Canned.....                                            | 113,937       | 3,393,098  |
| Tomalley.....                                          | 3,549         | 45,445     |
| Total value marketed.....                              | -             | 5,426,176  |
| <b>Oysters, caught and landed.....</b> bbl.            | 21,650        | 148,505    |
| Marketed fresh.....                                    | 21,650        | 197,781    |
| <b>Scallops, caught and landed.....</b> bbl.           | 38,635        | 207,250    |
| Marketed—                                              |               |            |
| Shelled.....                                           | 76,126        | 212,772    |
| Canned.....                                            | 261           | 5,160      |
| Total value marketed.....                              | -             | 217,932    |
| <b>Shrimps, caught and landed.....</b> cwt.            | 842           | 12,772     |
| Marketed fresh.....                                    | 842           | 16,592     |
| <b>Tongues and Sounds, pickled or dried.....</b> cwt.  | 454           | 4,215      |
| <b>Winkles, caught and landed.....</b> cwt.            | 2,141         | 3,702      |
| Marketed fresh.....                                    | 2,141         | 4,870      |
| <b>Dulse, green.....</b> cwt.                          | 2,944         | 5,290      |
| Marketed dried.....                                    | 665           | 7,965      |
| <b>Fur seals, caught and landed.....</b> no.           | 1,476         | 14,517     |
| Skins marketed.....                                    | 1,476         | 15,805     |
| <b>Hair seals, caught and landed.....</b> no.          | 53,306        | 66,849     |
| Skins marketed.....                                    | 53,306        | 62,883     |
| Oil.....                                               | 66,699        | 22,810     |
| Total value marketed.....                              | -             | 85,693     |
| <b>Porpoises, caught and landed.....</b> no.           | 1             | 40         |
| Skins marketed.....                                    | 1             | 10         |
| Oil.....                                               | 60            | 30         |
| Total value marketed.....                              | -             | 40         |
| <b>Whales, caught and landed.....</b> no.              | 258           | 241,488    |
| Marketed—                                              |               |            |
| Whalebone and meal.....                                | 345           | 9,560      |
| Whale oil.....                                         | 437,967       | 192,868    |
| Whale fertilizer.....                                  | 651           | 39,060     |
| Total value marketed.....                              | -             | 241,488    |
| <b>Miscellaneous fish products—</b>                    |               |            |
| Fish oil, n.e.s.....                                   | 398,556       | 149,991    |
| Fish glue.....                                         | 10,909        | 11,078     |
| Fish skins and bones.....                              | 9,799         | 17,794     |
| Fish offal.....                                        | 8,801         | 32,772     |
| Fish fertilizer, n.e.s.....                            | 285           | 7,380      |
| Fish meal, n.e.s.....                                  | 5,013         | 287,219    |
| Other products.....                                    | -             | 7,183      |
| <b>Total Value Sea Fisheries—</b>                      |               |            |
| Caught and landed.....                                 |               | 26,924,885 |
| Marketed.....                                          |               | 41,921,126 |

**2. Quantity and Value of Fish Caught and Marketed, Canada, during  
the year 1927—concluded**

| Kind of Fish                                                                            | Inland Fisheries |            |
|-----------------------------------------------------------------------------------------|------------------|------------|
|                                                                                         | Quantity         | Value      |
| <b>Alewives, caught and landed</b> ..... cwt.                                           | 660              | \$ 1,980   |
| Marketed—                                                                               |                  |            |
| Used fresh..... cwt.                                                                    | 264              | 792        |
| Salted..... bbl.                                                                        | 132              | 1,188      |
| Total value marketed.....                                                               | —                | 1,980      |
| <b>Bass, caught and landed</b> ..... cwt.                                               | 373              | 5,750      |
| Marketed fresh..... cwt.                                                                | 373              | 5,750      |
| <b>Carp, caught and landed</b> ..... cwt.                                               | 12,758           | 90,359     |
| Marketed fresh..... cwt.                                                                | 12,758           | 94,282     |
| <b>Catfish, caught and landed</b> ..... cwt.                                            | 8,208            | 69,303     |
| Marketed fresh..... cwt.                                                                | 8,208            | 75,765     |
| <b>Eels, caught and landed</b> ..... cwt.                                               | 11,552           | 123,978    |
| Marketed fresh..... cwt.                                                                | 14,552           | 126,518    |
| <b>Goldeyes, caught and landed</b> ..... cwt.                                           | 11,485           | 39,989     |
| Marketed—                                                                               |                  |            |
| Used fresh..... cwt.                                                                    | 3,864            | 16,794     |
| Smoked..... cwt.                                                                        | 5,678            | 99,176     |
| Total value marketed.....                                                               | —                | 115,970    |
| <b>Herring, caught and landed</b> ..... cwt.                                            | 63,201           | 202,776    |
| Marketed fresh..... cwt.                                                                | 63,201           | 330,593    |
| <b>Maskinonge, caught and landed</b> ..... cwt.                                         | 107              | 2,426      |
| Marketed fresh..... cwt.                                                                | 107              | 2,426      |
| <b>Mixed Fish (graylings, bullheads, ouananiche, etc.) caught and landed</b> ..... cwt. | 43,694           | 182,880    |
| Marketed fresh..... cwt.                                                                | 43,694           | 184,956    |
| <b>Mullets, caught and landed</b> ..... cwt.                                            | 15,906           | 23,596     |
| Marketed fresh..... cwt.                                                                | 15,906           | 33,885     |
| <b>Perch, caught and landed</b> ..... cwt.                                              | 33,189           | 212,192    |
| Marketed fresh..... cwt.                                                                | 33,189           | 260,267    |
| <b>Pickarel or dore, caught and landed</b> ..... cwt.                                   | 140,019          | 1,065,818  |
| Marketed fresh..... cwt.                                                                | 140,019          | 1,347,589  |
| <b>Pickarel, blue, caught and landed</b> ..... cwt.                                     | 31,173           | 124,692    |
| Marketed fresh..... cwt.                                                                | 31,173           | 187,038    |
| <b>Pike, caught and landed</b> ..... cwt.                                               | 70,473           | 253,570    |
| Marketed fresh..... cwt.                                                                | 70,473           | 356,992    |
| <b>Salmon, caught and landed</b> ..... cwt.                                             | 1,939            | 27,150     |
| Marketed fresh..... cwt.                                                                | 1,939            | 28,760     |
| <b>Saugers, caught and landed</b> ..... cwt.                                            | 2,461            | 10,937     |
| Marketed fresh..... cwt.                                                                | 2,461            | 13,348     |
| <b>Shad, caught and landed</b> ..... cwt.                                               | 1,320            | 11,461     |
| Marketed fresh..... cwt.                                                                | 1,320            | 11,461     |
| <b>Smelts, caught and landed</b> ..... cwt.                                             | 9,139            | 72,715     |
| Marketed fresh..... cwt.                                                                | 9,139            | 72,715     |
| <b>Sturgeon, caught and landed</b> ..... cwt.                                           | 4,401            | 104,165    |
| Marketed fresh..... cwt.                                                                | 4,401            | 125,268    |
| Caviar..... lb.                                                                         | 6,573            | 10,110     |
| Total value marketed.....                                                               | —                | 135,378    |
| <b>Trout, caught and landed</b> ..... cwt.                                              | 89,904           | 1,067,298  |
| Marketed fresh..... cwt.                                                                | 89,904           | 1,364,351  |
| <b>Tullihée, caught and landed</b> ..... cwt.                                           | 121,764          | 475,690    |
| Marketed—                                                                               |                  |            |
| Used fresh..... cwt.                                                                    | 121,644          | 632,425    |
| Smoked..... cwt.                                                                        | 60               | 725        |
| Total value marketed.....                                                               | —                | 633,150    |
| <b>Whitefish, caught and landed</b> ..... cwt.                                          | 185,664          | 1,484,700  |
| Marketed fresh..... cwt.                                                                | 185,664          | 2,192,738  |
| <b>Total Value Inland Fisheries—</b>                                                    |                  |            |
| Caught and landed.....                                                                  |                  | 5,593,425  |
| Marketed.....                                                                           |                  | 7,575,912  |
| <b>Total Value of All Fisheries—</b>                                                    |                  |            |
| Caught and landed.....                                                                  |                  | 32,518,310 |
| Marketed.....                                                                           |                  | 49,497,039 |



# Agencies of Production: Capital Equipment, Employees, Etc.

## (1) Primary Operations—

**Capital.**—The total amount of capital represented by the vessels, boats, nets, traps, piers, and wharves, etc., engaged in the primary operations of catching and landing the fish in 1927 was \$31,851,979, compared with \$29,038,613 in 1926 and \$25,732,645 in 1925. The total for 1927 is divided between the sea and inland fisheries as follows: sea fisheries, \$26,785,430; inland fisheries, \$5,066,549. (Table 3).

**Employees.**—The number of men employed in the primary operations was 63,415, compared with 61,371 in 1926 and 58,273 in 1925. The total for 1927 comprises 50,338 men employed in the sea fisheries and 13,077 in the inland fisheries. (Table 4).

## (2) Fish Canning and Curing Establishments—

**Capital.**—The number of fish canning and curing establishments in operation in 1927 was 773, with a total capital investment of \$24,454,482, compared with 831 establishments and a capital investment of \$28,868,071 in 1926. The totals for capital comprise the values of land, buildings and machinery, products and supplies on hand, and cash and operating accounts. (Table 5).

**Employees.**—The total number of persons employed in the establishments was 16,697, compared with 17,408 in 1926 and 16,272 in 1925. (Table 6).

## 3. Capital Equipment—Primary Operations. Value of Fishing Vessels, Boats, Nets, Traps, Piers and Wharves, etc., employed in the Canadian Fisheries, 1925, 1926 and 1927

| Equipment                                    | Sea Fisheries    |                   |           |                   |           |                   |
|----------------------------------------------|------------------|-------------------|-----------|-------------------|-----------|-------------------|
|                                              | 1925             |                   | 1926      |                   | 1927      |                   |
|                                              | Number           | Value             | Number    | Value             | Number    | Value             |
|                                              |                  | \$                |           | \$                |           | \$                |
| Steam trawlers.....                          | 13               | 895,000           | 14        | 990,000           | 17        | 1,240,000         |
| Steam fishing vessels.....                   | 11               | 175,000           | 8         | 159,500           | 11        | 178,000           |
| Sailing and gasoline vessels.....            | 1,243            | 4,637,685         | 1,398     | 6,454,422         | 1,561     | 8,017,679         |
| Boats (sail and row).....                    | 13,497           | 561,009           | 14,138    | 615,936           | 14,569    | 679,949           |
| Boats (gasoline).....                        | 15,097           | 4,896,399         | 15,622    | 5,328,186         | 15,944    | 5,434,057         |
| Carrying smacks and scows.....               | 840              | 420,265           | 529       | 516,783           | 664       | 569,293           |
| Gill nets, seines, trap and smelt nets, etc. | 121,069          | 4,094,242         | 125,899   | 4,507,399         | 124,590   | 5,178,239         |
| Weirs.....                                   | 484              | 515,725           | 470       | 604,750           | 455       | 556,515           |
| Tubs of trawl.....                           | 18,287           | 323,851           | 18,207    | 300,374           | 18,129    | 307,217           |
| Hand lines.....                              | 66,767           | 112,764           | 69,434    | 120,321           | 67,577    | 132,710           |
| Crab traps.....                              | 4,802            | 18,910            | 4,215     | 15,445            | 6,045     | 22,735            |
| Eel traps.....                               | —                | —                 | —         | —                 | 100       | 400               |
| Sets of scallop rakes.....                   | 48               | 4,360             | 45        | 3,420             | 78        | 8,170             |
| Oyster plant and equipment.....              | 1                | 26,000            | 1         | 26,000            | 1         | 26,000            |
| Lobster traps.....                           | 1,620,958        | 1,928,454         | 1,613,974 | 1,926,753         | 1,659,784 | 1,995,920         |
| Fishing piers and wharves.....               | 2,472            | 960,030           | 2,623     | 977,820           | 2,511     | 954,820           |
| Freezers and ice houses.....                 | 641              | 455,516           | 567       | 418,401           | 573       | 450,901           |
| Small fish and smoke houses.....             | 7,315            | 1,001,264         | 7,331     | 1,026,824         | 7,313     | 1,005,825         |
| <b>Total value.....</b>                      | <b>—</b>         | <b>21,056,477</b> | <b>—</b>  | <b>24,027,374</b> | <b>—</b>  | <b>26,785,430</b> |
|                                              | Inland Fisheries |                   |           |                   |           |                   |
|                                              |                  | \$                |           | \$                |           | \$                |
| Steam vessels or tugs.....                   | 132              | 994,389           | 140       | 1,038,674         | 135       | 1,037,353         |
| Boats (sail and row).....                    | 3,912            | 174,307           | 3,828     | 189,616           | 4,020     | 180,480           |
| Boats (gasoline).....                        | 1,487            | 755,462           | 1,444     | 778,170           | 1,504     | 847,425           |
| Scows.....                                   | 2                | 2,000             | 3         | 2,500             | 2         | 5,000             |
| Gill nets.....                               | —                | 1,348,921         | —         | 1,491,831         | —         | 1,584,005         |
| Seines.....                                  | 139              | 25,508            | 131       | 25,018            | 144       | 21,925            |
| Pound nets.....                              | 1,356            | 677,605           | 1,322     | 624,820           | 1,240     | 531,622           |
| Hoop nets.....                               | 1,862            | 56,704            | 1,185     | 34,596            | 996       | 34,154            |
| Dip or roll nets.....                        | 57               | 896               | 52        | 605               | 57        | 691               |
| Lines.....                                   | 3,455            | 56,030            | 3,033     | 59,697            | 2,668     | 20,112            |
| Weirs.....                                   | —                | —                 | 1,308     | 83,222            | 1,442     | 124,487           |
| Eel traps.....                               | 100              | 200               | 25        | 100               | —         | —                 |
| Fish wheels.....                             | 3                | 450               | 3         | 450               | 7         | 1,050             |
| Spears.....                                  | 144              | 1,026             | 140       | 990               | 123       | 910               |
| Fishing piers and wharves.....               | 426              | 113,612           | 462       | 195,698           | 469       | 167,273           |
| Freezers and ice houses.....                 | 878              | 431,632           | 945       | 451,170           | 955       | 464,592           |
| Small fish and smoke houses.....             | 302              | 37,426            | 292       | 39,082            | 356       | 45,470            |
| <b>Total value.....</b>                      | <b>—</b>         | <b>4,676,168</b>  | <b>—</b>  | <b>5,016,239</b>  | <b>—</b>  | <b>5,066,549</b>  |

## 4. Employees in Primary Operations, 1925, 1926 and 1927

| Employees                         | Sea Fisheries |               |               | Inland Fisheries |               |               |
|-----------------------------------|---------------|---------------|---------------|------------------|---------------|---------------|
|                                   | 1925          | 1926          | 1927          | 1925             | 1926          | 1927          |
|                                   | no.           | no.           | no.           | no.              | no.           | no.           |
| Men employed—                     |               |               |               |                  |               |               |
| On steam trawlers.....            | 222           | 249           | 311           | —                | —             | —             |
| On vessels.....                   | 6,608         | 7,660         | 7,808         | 736              | 729           | 732           |
| On boats.....                     | 38,379        | 40,122        | 39,672        | 8,055            | 8,193         | 8,320         |
| On carrying smacks and scows..... | 1,093         | 737           | 804           | 4                | 6             | 4             |
| Fishing not in boats.....         | <sup>1</sup>  | <sup>1</sup>  | 1,743         | 3,176            | 3,675         | 4,021         |
| <b>Total.....</b>                 | <b>46,302</b> | <b>48,768</b> | <b>50,338</b> | <b>11,971</b>    | <b>12,603</b> | <b>13,077</b> |

<sup>1</sup> Not available.5. Capital Equipment<sup>1</sup>—Fish Canning and Curing Establishments, 1925, 1926 and 1927

| Establishments                        | 1925       |                   | 1926       |                   | 1927       |                   |
|---------------------------------------|------------|-------------------|------------|-------------------|------------|-------------------|
|                                       | Number     | Value             | Number     | Value             | Number     | Value             |
|                                       |            | \$                |            | \$                |            | \$                |
| Lobster canneries.....                | 478        | 1,502,192         | 455        | 1,477,374         | 438        | 1,419,604         |
| Salmon canneries.....                 | 69         | 9,172,387         | 79         | 16,367,870        | 81         | 11,505,454        |
| Clam canneries.....                   | 15         | 70,694            | 19         | 226,012           | 15         | 99,417            |
| Sardine and other fish canneries..... | 5          | 1,274,825         | 4          | 1,253,424         | 6          | 1,365,674         |
| Fish curing establishments.....       | 263        | 7,135,917         | 251        | 7,438,396         | 199        | 7,009,983         |
| Reduction plants.....                 | 16         | 1,982,970         | 23         | 2,104,995         | 34         | 2,964,350         |
| <b>Total.....</b>                     | <b>846</b> | <b>21,139,985</b> | <b>831</b> | <b>28,868,071</b> | <b>773</b> | <b>24,454,482</b> |

<sup>1</sup>Comprises value of land, buildings and machinery, products and supplies on hand, and cash and operating accounts.

## 6. Employees in Fish Canning and Curing Establishments, 1925, 1926 and 1927

| Employees                             | 1925         |              |               | 1926          |              |               | 1927          |              |               |
|---------------------------------------|--------------|--------------|---------------|---------------|--------------|---------------|---------------|--------------|---------------|
|                                       | Male         | Female       | Total         | Male          | Female       | Total         | Male          | Female       | Total         |
|                                       | no.          | no.          | no.           | no.           | no.          | no.           | no.           | no.          | no.           |
| Persons employed in—                  |              |              |               |               |              |               |               |              |               |
| Lobster canneries.....                | 2,953        | 3,634        | 6,587         | 2,887         | 3,614        | 6,501         | 2,790         | 3,390        | 6,180         |
| Salmon canneries.....                 | 3,644        | 2,410        | 6,054         | 4,439         | 2,355        | 6,794         | 4,288         | 2,438        | 6,726         |
| Clam canneries.....                   | 56           | 110          | 166           | 82            | 201          | 283           | 100           | 127          | 227           |
| Sardine and other fish canneries..... | 255          | 226          | 481           | 340           | 142          | 482           | 293           | 153          | 446           |
| Fish curing establishments.....       | 2,338        | 295          | 2,633         | 2,511         | 321          | 2,832         | 2,257         | 244          | 2,501         |
| Reduction plants.....                 | 345          | 6            | 351           | 503           | 13           | 516           | 602           | 15           | 617           |
| <b>Total.....</b>                     | <b>9,591</b> | <b>6,681</b> | <b>16,272</b> | <b>10,762</b> | <b>6,646</b> | <b>17,408</b> | <b>10,330</b> | <b>6,367</b> | <b>16,697</b> |

## Details of Fish Canning and Curing Establishments

*Number of Establishments.*—The number of establishments in operation in 1927 was 773, comprising 438 lobster canneries, 81 salmon canneries, 15 clam canneries, 6 sardine and other fish canneries, 199 fish curing establishments, and 34 reduction plants. The number of lobster canneries decreased by 17 from the number in operation in the preceding year, and the number of fish curing establishments by 52; while the number of salmon canneries increased by 2 and the number of reduction plants by 11. A decrease of 58 is shown in the total number of establishments. The fish canning and curing industry is confined to the sea fisheries of the Maritime provinces, Quebec and British Columbia.

*Employees and Wages.*—The statistics of employment show decreases in number of persons employed in the establishments and in salaries and wages paid, compared with the preceding year. The total number employed in 1927 was 16,697, compared with 17,408 in 1926. The employees in 1927 are classified as follows: salaried employees, 639; wage-earners, 11,343; and contract workers and piece-workers, 4,715. The persons classified as contract workers are employed in the salmon canneries of British Columbia, where a large part of the work is done

under contract, the contractor engaging and paying his own workers and being himself paid by the cannery operator according to the quantity of fish packed. More than half of the workers in British Columbia salmon canneries are employed under this arrangement. The total amount paid by the establishments to all employees in 1927 was \$5,373,951, apportioned as follows: to salaried employees, \$871,211; to wage-earners, \$3,769,791; and to contract workers and piece-workers, \$732,949. The total amount paid in 1926 was \$5,622,837. Statistics for 1927 and the two preceding years are given in the following table.

**7. Employees in Fish Canning and Curing Establishments in 1925, 1926 and 1927—  
Number and Salaries and Wages**

| Year      | Employees on Salaries |         | Employees on Wages |           | Contract and Piece-Workers |           | Total of Employees and of Salaries and Wages |           |
|-----------|-----------------------|---------|--------------------|-----------|----------------------------|-----------|----------------------------------------------|-----------|
|           | no.                   | \$      | no.                | \$        | no.                        | \$        | no.                                          | \$        |
| 1925..... | 632                   | 806,418 | 10,687             | 3,166,045 | 4,953                      | 998,704   | 16,272                                       | 4,971,167 |
| 1926..... | 546                   | 733,760 | 11,579             | 3,807,533 | 5,283                      | 1,081,544 | 17,408                                       | 5,622,837 |
| 1927..... | 639                   | 871,211 | 11,343             | 3,769,791 | 4,715                      | 732,949   | 16,697                                       | 5,373,951 |

*Wage-earners by Months.*—The months of highest employment in the industry as a whole were May with 9,654 employees and June with 10,347. In lobster canneries the months of highest employment were May and June; in salmon canneries, June, July and August; and in clam canneries, April, June and July. In sardine and other fish canneries, fish curing establishments and reduction plants there was little variation in monthly employment throughout the year. Summary statistics of employment by months for the years 1925 to 1927 are given in the following table. The numbers are exclusive of contract-workers and piece-workers, for which no details of monthly employment are available.

**8. Wage-earners<sup>1</sup> in Fish Canning and Curing Establishments—Number on Pay Roll on 15th of each month, 1925, 1926 and 1927**

| Month          | 1925  |        |       | 1926  |        |        | 1927  |        |        |
|----------------|-------|--------|-------|-------|--------|--------|-------|--------|--------|
|                | Male  | Female | Total | Male  | Female | Total  | Male  | Female | Total  |
|                | no.   | no.    | no.   | no.   | no.    | no.    | no.   | no.    | no.    |
| January.....   | 1,345 | 137    | 1,482 | 1,458 | 95     | 1,553  | 1,656 | 112    | 1,768  |
| February.....  | 1,262 | 130    | 1,392 | 1,322 | 119    | 1,441  | 1,528 | 97     | 1,625  |
| March.....     | 1,765 | 301    | 2,066 | 2,086 | 272    | 2,358  | 2,109 | 314    | 2,423  |
| April.....     | 3,752 | 1,558  | 5,310 | 4,041 | 1,078  | 5,119  | 4,058 | 831    | 4,889  |
| May.....       | 5,893 | 3,809  | 9,702 | 6,341 | 3,822  | 10,163 | 6,109 | 3,545  | 9,654  |
| June.....      | 6,117 | 3,685  | 9,802 | 6,933 | 3,924  | 10,857 | 6,812 | 3,535  | 10,347 |
| July.....      | 4,220 | 1,018  | 5,238 | 5,848 | 2,183  | 8,031  | 4,863 | 1,036  | 5,929  |
| August.....    | 3,853 | 629    | 4,482 | 4,572 | 759    | 5,331  | 4,441 | 676    | 5,117  |
| September..... | 3,799 | 620    | 4,419 | 4,230 | 632    | 4,862  | 3,889 | 573    | 4,462  |
| October.....   | 3,464 | 471    | 3,935 | 3,895 | 598    | 4,493  | 3,512 | 440    | 3,952  |
| November.....  | 2,620 | 281    | 2,901 | 3,064 | 281    | 3,345  | 2,722 | 186    | 2,908  |
| December.....  | 1,933 | 143    | 2,076 | 2,127 | 199    | 2,326  | 2,163 | 162    | 2,325  |

<sup>1</sup>Exclusive of contract and piece-workers.

*Fuel Used.*—Coal was the principal item with regard to value, with a total of 29,430 tons, valued at \$239,419. Fuel oil was used to a total of 1,738,667 gallons, valued at \$102,569; gasoline, 79,666 gallons, valued at \$21,306; and petroleum distillate, 91,385 gallons, valued at \$9,053. The amount paid for electricity used during the year was \$30,174. The total value of all fuel used, including electricity, was \$465,230, compared with \$476,727 in 1926.

*Power Equipment.*—The power equipment of the establishments consisted of 278 steam engines and turbines with a rated capacity of 4,748 h.p.; 649 gasoline and oil engines with 3,926 h.p.; 50 water wheels and turbines with 1,276 h.p.;

and 144 electric motors with 2,365 h.p. Compared with the preceding year the steam engines and turbines show an increase in number but a decrease in total rated h.p.; the gasoline and oil engines increases in both number and capacity; water wheels and turbines, a decrease in number but an increase in capacity; and electric motors increases in number and capacity. The number of boilers in use was 371, compared with 355 in 1926.

*Materials Used.*—The cost value of the fish purchased to be used in the preparation of the manufactured fish products or for re-sale for consumption fresh, was \$14,379,521; the value of containers used, \$3,290,932; salt, \$360,056; and miscellaneous materials, \$334,337, making a total cost value for all materials used of \$18,364,846. The total quantity of fish used in the establishments during the year was 6,393,552 cwt., or 63 p.c. of the total catch of sea fish, the remainder being marketed by fishermen. Statistics of the value of materials used are given for the past three years in table 9.

#### 9. Value of Materials Used in Fish Canning and Curing Establishments, 1925, 1926 and 1927

| Materials            | 1925              | 1926              | 1927              |
|----------------------|-------------------|-------------------|-------------------|
|                      | \$                | \$                | \$                |
| Fish.....            | 13,952,936        | 16,692,352        | 14,379,521        |
| Salt.....            | 389,054           | 356,267           | 360,056           |
| Containers.....      | 3,878,633         | 4,652,025         | 3,290,932         |
| Other materials..... | 459,063           | 333,485           | 334,337           |
| <b>Total.....</b>    | <b>18,680,686</b> | <b>22,034,129</b> | <b>18,364,846</b> |

*Value of Production.*—A considerable decrease is shown in the value of output of the establishments, compared with the year 1926. The value of manufactured fish products in 1927 was \$23,961,119, a decrease from the preceding year of \$4,880,825, or 17 p.c., and the value of fish marketed for consumption fresh, \$7,123,490, a decrease of \$225,330 or 3 p.c. The total value of output of the establishments in 1927 was \$31,084,609, compared with \$36,190,764 in 1926. The value of output of the lobster canneries decreased by 5 p.c., of salmon canneries by 23 p.c., and of fish curing establishments by 9 p.c., while the output of reduction plants shows an increase in value of 46 p.c. Statistics of production for the years 1925 to 1927 are given in the following table.

#### 10. Value of Production of Fish Canning and Curing Establishments, 1925, 1926 and 1927

| Description of establishment          | 1925                                |                                          | 1926                                |                                          | 1927                                |                                          |
|---------------------------------------|-------------------------------------|------------------------------------------|-------------------------------------|------------------------------------------|-------------------------------------|------------------------------------------|
|                                       | fish marketed for consumption fresh | fish canned, cured or otherwise prepared | fish marketed for consumption fresh | fish canned, cured or otherwise prepared | fish marketed for consumption fresh | Fish canned, cured or otherwise prepared |
|                                       | \$                                  | \$                                       | \$                                  | \$                                       | \$                                  | \$                                       |
| Lobster canneries.....                | 841,064                             | 3,886,346                                | 886,127                             | 4,005,358                                | 933,631                             | 3,709,313                                |
| Salmon canneries.....                 | 80,245                              | 13,486,605                               | 167,617                             | 17,123,468                               | 284,452                             | 13,042,682                               |
| Clam canneries.....                   | 420                                 | 156,599                                  | 11,794                              | 222,118                                  | —                                   | 178,956                                  |
| Sardine and other fish canneries..... | 175,958                             | 1,145,175                                | 224,809                             | 1,725,344                                | 192,981                             | 1,320,476                                |
| Fish curing establishments.....       | 5,391,496                           | 4,540,097                                | 6,048,473                           | 4,474,036                                | 5,712,426                           | 3,823,079                                |
| Reduction plants.....                 | —                                   | 696,987                                  | —                                   | 1,291,620                                | —                                   | 1,886,613                                |
| <b>Total.....</b>                     | <b>6,489,133</b>                    | <b>23,891,809</b>                        | <b>7,348,820</b>                    | <b>28,841,944</b>                        | <b>7,123,490</b>                    | <b>23,961,119</b>                        |

*Other Data.*—Statistical tables have been prepared which place the establishments in groups according to (1) form of organization, (2) time in operation, (3) number of employees, and (4) value of product. Brief summaries of these are as follows. The compilation according to form of organization shows 368 establishments as operated under individual ownership; 134 as

operated by partnerships; 259 by joint stock companies; and 12 by co-operative associations. All of the foregoing groups show decreases in number from the preceding year, excepting the number of establishments operated by joint stock companies, which increased by 7. The majority of the lobster canneries are under individual ownership, while the salmon canneries are nearly all operated by joint stock companies. The grouping of establishments according to number of days in operation shows 321 plants operating less than 60 days during the year; 211 operating from 60 to 119 days; 113 from 120 to 179 days; 65 from 180 to 239 days; and 63 operating 240 days and over. Comprised in the last group are 38 fish curing establishments, 9 lobster canneries, 5 salmon canneries, 4 clam canneries, 2 sardine canneries, and 5 reduction plants. In a number of the canneries fish curing operations are carried on previous to and after the close of the canning season: returns for 1927 show 25 lobster canneries and 9 salmon canneries with a production of cured fish in addition to the canned product. The arrangement of returns according to number of employees divides the establishments into three groups. The first group includes 564 establishments which employ 5 persons or over; the second group 176 establishments with less than 5 employees; and the third group, 33 establishments with no employees, the work in these establishments being performed by the operators themselves. Only 3 of the salmon canneries had less than 5 employees, while 84 of the lobster canneries reported less than 5. The returns have been arranged according to value of production in 5 groups. The first group shows 284 plants each with a production of less than \$5,000; the second group, 123 plants with a product of from \$5,000 to under \$10,000; the third group 119 plants with \$10,000 to under \$20,000; the fourth group 105 plants with \$20,000 to under \$50,000; and the fifth group 142 plants with \$50,000 and over. Comprised in the last group are 74 salmon canneries, 37 fish curing establishments, 15 lobster canneries, 14 reduction plants, and 2 sardine and other fish canneries. Statistics in detail are given in the general tables of the report.

### Review by Provinces

The following tables (11-17) show by provinces: the total value of the fisheries; the quantity caught and landed and the value marketed of the chief commercial fishes; the quantity and value of all fish caught and landed and marketed; the total values for counties or districts of sea fish caught and landed and marketed; the quantity of sea fish taken offshore; the capital equipment; and the number of employees.

11. Value of Fisheries by Provinces, 1923-1927, in order of Value, 1927

| Province                  | 1923              | 1924              | 1925              | 1926              | 1927              | Increase<br>or<br>decrease<br>1927<br>compared<br>with 1926<br>Inc. + Dec. — |
|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------------------------------------------------------------------|
|                           | \$                | \$                | \$                | \$                | \$                | \$                                                                           |
| British Columbia.....     | 20,795,914        | 21,257,567        | 22,414,618        | 27,367,109        | 23,264,342        | — 4,102,767                                                                  |
| Nova Scotia.....          | 8,448,385         | 8,777,251         | 10,213,779        | 12,505,922        | 10,783,631        | — 1,722,291                                                                  |
| New Brunswick.....        | 4,548,535         | 5,383,809         | 4,798,589         | 5,325,478         | 4,406,673         | — 918,805                                                                    |
| Ontario.....              | 3,159,427         | 3,557,587         | 3,436,412         | 3,152,193         | 3,670,229         | + 518,036                                                                    |
| Quebec.....               | 2,100,412         | 2,283,314         | 3,044,919         | 3,110,964         | 2,736,450         | — 374,514                                                                    |
| Manitoba.....             | 1,020,595         | 1,232,563         | 1,466,939         | 2,328,803         | 2,039,738         | — 289,065                                                                    |
| Prince Edward Island..... | 1,754,980         | 1,201,772         | 1,598,119         | 1,358,934         | 1,367,807         | + 8,873                                                                      |
| Alberta.....              | 438,737           | 339,107           | 458,504           | 749,076           | 712,469           | — 36,607                                                                     |
| Saskatchewan.....         | 286,643           | 482,492           | 494,882           | 444,288           | 503,609           | + 59,321                                                                     |
| Yukon Territory.....      | 11,917            | 18,773            | 15,370            | 17,866            | 12,090            | — 5,776                                                                      |
| <b>Total.....</b>         | <b>42,565,545</b> | <b>44,534,235</b> | <b>47,942,131</b> | <b>56,360,633</b> | <b>49,497,038</b> | <b>— 6,863,595</b>                                                           |

## FISHERIES STATISTICS

## 12. Quantity and Value of Chief Commercial Fishes by Provinces, 1923-1927

## Prince Edward Island

| Kind of Fish             | 1923                | 1924              | 1925                | 1926              | 1927              | Increase<br>or<br>decrease<br>1927<br>compared<br>with 1926<br>Inc. + Dec. - |
|--------------------------|---------------------|-------------------|---------------------|-------------------|-------------------|------------------------------------------------------------------------------|
| Lobsters..... cwt.<br>\$ | 97,456<br>1,405,906 | 65,893<br>777,301 | 78,570<br>1,088,712 | 66,298<br>926,718 | 62,800<br>855,917 | - 3,498<br>- 70,801                                                          |
| Smelts..... cwt.<br>\$   | 9,784<br>121,233    | 14,273<br>133,747 | 17,595<br>142,496   | 15,390<br>98,670  | 14,936<br>179,232 | + 454<br>- 80,562                                                            |
| Cod..... cwt.<br>\$      | 27,291<br>61,395    | 41,036<br>81,885  | 61,483<br>150,135   | 49,823<br>118,380 | 49,419<br>128,830 | - 404<br>+ 10,450                                                            |
| Herring..... cwt.<br>\$  | 53,313<br>76,975    | 37,716<br>58,664  | 64,942<br>83,703    | 63,930<br>89,915  | 51,834<br>88,368  | - 12,096<br>- 1,547                                                          |
| Oysters..... bbl.<br>\$  | 4,035<br>40,350     | 7,945<br>63,840   | 5,278<br>52,780     | 5,161<br>61,898   | 4,071<br>48,838   | - 1,090<br>- 13,060                                                          |

## Nova Scotia

|                               |                        |                        |                        |                        |                        |                          |
|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|
| Cod..... cwt.<br>\$           | 1,048,943<br>2,434,492 | 1,129,801<br>3,309,209 | 1,408,238<br>3,760,833 | 1,858,944<br>4,652,858 | 1,331,873<br>3,455,772 | - 527,071<br>- 1,197,086 |
| Lobsters..... cwt.<br>\$      | 172,720<br>3,081,647   | 115,275<br>1,904,407   | 170,698<br>3,014,963   | 184,316<br>3,386,416   | 179,673<br>3,255,627   | - 4,643<br>- 130,789     |
| Haddock..... cwt.<br>\$       | 297,023<br>1,029,787   | 320,804<br>975,660     | 323,718<br>1,134,327   | 458,292<br>1,671,971   | 384,207<br>1,402,135   | - 74,085<br>- 269,836    |
| Herring..... cwt.<br>\$       | 165,886<br>295,391     | 267,413<br>542,658     | 206,863<br>434,130     | 264,823<br>547,548     | 214,560<br>482,378     | - 50,263<br>- 65,170     |
| Halibut..... cwt.<br>\$       | 19,197<br>319,199      | 27,407<br>441,113      | 20,250<br>282,118      | 23,725<br>381,720      | 27,551<br>468,679      | + 3,826<br>+ 86,959      |
| Mackerel..... cwt.<br>\$      | 79,184<br>388,051      | 114,662<br>688,350     | 117,599<br>445,185     | 67,580<br>285,961      | 72,306<br>338,851      | + 4,726<br>+ 52,890      |
| Salmon..... cwt.<br>\$        | 11,217<br>202,090      | 10,127<br>181,966      | 8,422<br>157,124       | 13,428<br>253,272      | 12,819<br>233,189      | - 609<br>- 20,083        |
| Scallops..... bbl.<br>\$      | 11,839<br>72,547       | 7,504<br>51,793        | 12,404<br>76,025       | 19,918<br>138,472      | 37,607<br>212,838      | + 17,689<br>+ 74,366     |
| Hake and cusk..... cwt.<br>\$ | 58,819<br>93,186       | 119,988<br>203,352     | 91,027<br>183,465      | 91,946<br>135,517      | 119,431<br>153,840     | + 27,485<br>+ 18,323     |
| Smelts..... cwt.<br>\$        | 7,169<br>120,816       | 8,186<br>131,523       | 8,328<br>130,182       | 10,981<br>165,630      | 7,110<br>124,663       | - 3,871<br>- 40,977      |
| Swordfish..... cwt.<br>\$     | 14,343<br>155,020      | 5,575<br>96,157        | 4,551<br>78,209        | 12,936<br>207,248      | 7,299<br>120,692       | - 5,637<br>- 86,556      |

## New Brunswick

|                                    |                      |                      |                      |                      |                      |                       |
|------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Sardines..... bbl.<br>\$           | 134,494<br>1,016,655 | 269,643<br>1,241,508 | 158,259<br>1,016,325 | 171,637<br>1,172,490 | 174,640<br>1,046,250 | + 3,003<br>- 128,240  |
| Lobsters..... cwt.<br>\$           | 73,688<br>1,339,155  | 68,303<br>1,203,564  | 65,894<br>1,069,722  | 59,611<br>1,135,664  | 49,752<br>955,053    | - 9,859<br>- 180,611  |
| Smelts..... cwt.<br>\$             | 43,210<br>582,203    | 63,975<br>844,730    | 46,692<br>718,149    | 59,400<br>850,913    | 46,184<br>686,163    | - 13,216<br>- 164,750 |
| Salmon..... cwt.<br>\$             | 20,682<br>250,838    | 33,563<br>425,800    | 30,073<br>428,558    | 25,131<br>408,397    | 22,464<br>414,280    | - 2,667<br>+ 5,883    |
| Herring..... cwt.<br>\$            | 251,100<br>270,863   | 333,530<br>367,037   | 372,710<br>385,354   | 422,897<br>529,195   | 412,833<br>379,616   | - 10,064<br>- 149,579 |
| Cod..... cwt.<br>\$                | 286,571<br>585,314   | 259,166<br>643,321   | 205,544<br>512,013   | 201,425<br>478,770   | 136,773<br>284,602   | - 64,652<br>- 194,108 |
| Clams and quahaugs..... bbl.<br>\$ | 22,645<br>103,923    | 33,444<br>137,099    | 19,496<br>88,426     | 27,278<br>111,362    | 33,197<br>130,698    | + 5,919<br>+ 19,336   |
| Oysters..... bbl.<br>\$            | 14,574<br>67,123     | 17,201<br>103,040    | 12,038<br>88,693     | 12,383<br>92,535     | 13,574<br>100,576    | + 1,191<br>+ 8,041    |

## 12. Quantity and Value of Chief Commercial Fishes by Provinces, 1923-1927—con.

New Brunswick—concluded

| Kind of Fish            | 1923   | 1924   | 1925   | 1926    | 1927   | Increase<br>or<br>decrease<br>1927<br>compared<br>with 1926<br>Inc. + Dec. — |        |
|-------------------------|--------|--------|--------|---------|--------|------------------------------------------------------------------------------|--------|
| Tom cod..... cwt.       | 10,873 | 13,375 | 13,056 | 17,079  | 20,246 | +                                                                            | 3,167  |
| \$                      | 31,587 | 50,209 | 41,517 | 61,242  | 91,979 | +                                                                            | 30,737 |
| Haddock..... cwt.       | 6,715  | 16,638 | 18,186 | 35,038  | 33,834 | —                                                                            | 1,204  |
| \$                      | 14,782 | 37,039 | 32,546 | 76,480  | 72,924 | —                                                                            | 3,556  |
| Alewives..... cwt.      | 44,010 | 21,298 | 34,879 | 52,875  | 40,094 | —                                                                            | 12,781 |
| \$                      | 67,911 | 40,499 | 65,295 | 116,727 | 65,373 | —                                                                            | 51,354 |
| Hake and cusk..... cwt. | 22,564 | 56,978 | 66,892 | 43,818  | 45,759 | +                                                                            | 1,941  |
| \$                      | 27,798 | 85,360 | 87,146 | 45,104  | 60,302 | +                                                                            | 15,198 |

## Quebec

|                            |         |           |           |           |           |   |         |
|----------------------------|---------|-----------|-----------|-----------|-----------|---|---------|
| Cod..... cwt.              | 409,701 | 417,783   | 602,099   | 584,567   | 460,573   | — | 123,994 |
| \$                         | 795,140 | 1,120,570 | 1,545,804 | 1,408,516 | 1,011,795 | — | 396,721 |
| Lobsters..... cwt.         | 37,764  | 22,742    | 25,676    | 29,358    | 24,606    | — | 4,752   |
| \$                         | 538,654 | 283,899   | 379,580   | 434,874   | 359,579   | — | 75,295  |
| Herring..... cwt.          | 226,426 | 206,135   | 286,028   | 326,416   | 262,521   | — | 63,895  |
| \$                         | 190,462 | 161,119   | 246,115   | 278,795   | 238,093   | — | 40,702  |
| Mackerel..... cwt.         | 46,211  | 79,437    | 47,135    | 22,765    | 70,765    | + | 48,000  |
| \$                         | 157,864 | 246,278   | 131,229   | 71,353    | 185,296   | + | 113,943 |
| Salmon..... cwt.           | 14,765  | 15,080    | 20,714    | 15,536    | 14,840    | — | 696     |
| \$                         | 137,024 | 136,725   | 189,318   | 159,303   | 152,710   | — | 6,593   |
| Pickeral or dore..... cwt. | 1,807   | 1,226     | 2,016     | 2,104     | 8,064     | + | 5,960   |
| \$                         | 19,010  | 16,883    | 40,211    | 39,214    | 137,165   | + | 97,951  |
| Eels..... cwt.             | 12,338  | 11,918    | 11,816    | 21,172    | 13,570    | — | 7,602   |
| \$                         | 73,946  | 86,756    | 104,463   | 195,608   | 113,148   | — | 82,460  |
| Smelts..... cwt.           | 4,055   | 2,854     | 3,400     | 5,259     | 13,428    | + | 8,169   |
| \$                         | 34,677  | 32,468    | 37,243    | 41,811    | 110,823   | + | 69,012  |
| Carp..... cwt.             | —       | 3,224     | 2,563     | 4,868     | 5,032     | + | 164     |
| \$                         | —       | 25,472    | 18,216    | 60,825    | 63,298    | + | 2,473   |

## Ontario

|                            |         |         |           |         |           |   |         |
|----------------------------|---------|---------|-----------|---------|-----------|---|---------|
| Trout..... cwt.            | 62,553  | 68,821  | 73,257    | 69,127  | 74,978    | + | 5,851   |
| \$                         | 761,322 | 901,555 | 1,003,621 | 933,214 | 1,192,150 | + | 258,936 |
| Whitefish..... cwt.        | 65,250  | 66,918  | 70,583    | 64,049  | 61,658    | — | 2,391   |
| \$                         | 854,391 | 869,934 | 924,638   | 864,661 | 937,202   | + | 72,541  |
| Herring..... cwt.          | 108,512 | 125,013 | 45,555    | 44,122  | 58,099    | + | 13,977  |
| \$                         | 487,633 | 625,065 | 250,554   | 264,732 | 302,114   | + | 37,382  |
| Pickeral or dore..... cwt. | 26,912  | 29,646  | 25,677    | 23,071  | 21,163    | — | 1,908   |
| \$                         | 352,546 | 400,221 | 370,774   | 299,923 | 300,529   | + | 606     |
| Perch..... cwt.            | 27,009  | 25,158  | 23,317    | 20,678  | 28,180    | + | 7,502   |
| \$                         | 159,354 | 150,948 | 139,902   | 124,068 | 211,352   | + | 87,284  |
| Tullibee..... cwt.         | 3,151   | 5,004   | 9,109     | 11,971  | 15,520    | + | 3,549   |
| \$                         | 20,795  | 32,526  | 66,041    | 125,695 | 194,001   | + | 68,306  |
| Pickeral, blue..... cwt.   | 32,547  | 30,601  | 34,453    | 30,385  | 31,173    | + | 788     |
| \$                         | 179,011 | 168,206 | 275,624   | 182,310 | 187,038   | + | 4,728   |
| Pike..... cwt.             | 11,962  | 12,933  | 13,163    | 12,954  | 14,002    | + | 1,048   |
| \$                         | 61,127  | 65,958  | 75,688    | 97,155  | 98,014    | + | 859     |

## Manitoba

|                     |         |         |         |         |         |   |        |
|---------------------|---------|---------|---------|---------|---------|---|--------|
| Pickeral..... cwt.  | 68,096  | 62,486  | 48,953  | 87,251  | 99,813  | + | 12,562 |
| \$                  | 484,982 | 528,426 | 562,881 | 900,608 | 804,854 | — | 95,754 |
| Tullibee..... cwt.  | 18,952  | 34,363  | 49,539  | 85,267  | 102,451 | + | 17,184 |
| \$                  | 98,279  | 125,258 | 207,622 | 501,814 | 419,103 | — | 82,711 |
| Whitefish..... cwt. | 25,491  | 27,904  | 38,078  | 54,122  | 49,114  | — | 5,008  |
| \$                  | 183,459 | 265,076 | 361,849 | 490,625 | 418,461 | — | 72,164 |
| Pike..... cwt.      | 24,103  | 30,314  | 27,305  | 43,467  | 40,166  | — | 3,301  |
| \$                  | 99,734  | 104,973 | 110,222 | 176,425 | 149,658 | — | 26,767 |

## 12. Quantity and Value of Chief Commercial Fishes by Provinces, 1923-1927—concluded

## Manitoba—concluded

| Kind of Fish       | 1923   | 1924    | 1925   | 1926   | 1927    | Increase<br>or<br>decrease<br>1927<br>compared<br>with 1926<br>Inc. + Dec. — |        |
|--------------------|--------|---------|--------|--------|---------|------------------------------------------------------------------------------|--------|
| Goldeyes..... cwt. | 6,110  | 6,533   | 7,205  | 11,625 | 11,420  | —                                                                            | 205    |
| \$                 | 43,761 | 35,495  | 70,080 | 85,099 | 115,190 | +                                                                            | 30,091 |
| Sturgeon..... cwt. | 1,770  | 2,359   | 1,677  | 1,080  | 820     | —                                                                            | 260    |
| \$                 | 88,030 | 122,251 | 71,252 | 58,074 | 44,690  | —                                                                            | 13,384 |

## Saskatchewan

|                     |         |         |         |         |         |   |        |
|---------------------|---------|---------|---------|---------|---------|---|--------|
| Whitefish..... cwt. | 24,607  | 42,393  | 44,978  | 37,667  | 41,323  | + | 3,656  |
| \$                  | 207,264 | 363,532 | 384,700 | 326,058 | 389,185 | + | 63,127 |
| Pickrel..... cwt.   | 1,943   | 3,556   | 2,896   | 2,918   | 3,753   | + | 835    |
| \$                  | 15,944  | 28,576  | 25,738  | 25,520  | 34,224  | + | 8,704  |
| Trout..... cwt.     | 1,753   | 2,839   | 3,146   | 3,106   | 2,700   | — | 406    |
| \$                  | 16,999  | 28,891  | 30,980  | 33,483  | 29,784  | — | 3,699  |
| Pike..... cwt.      | 3,753   | 5,393   | 4,153   | 4,354   | 3,731   | — | 623    |
| \$                  | 24,307  | 35,920  | 28,285  | 26,606  | 24,215  | — | 2,391  |
| Mullets..... cwt.   | 2,476   | 2,816   | 2,785   | 3,139   | 2,647   | — | 492    |
| \$                  | 13,503  | 15,069  | 14,598  | 14,191  | 10,871  | — | 3,320  |

## Alberta

|                     |         |         |         |         |         |   |        |
|---------------------|---------|---------|---------|---------|---------|---|--------|
| Whitefish..... cwt. | 41,649  | 29,931  | 32,349  | 34,132  | 32,355  | — | 1,777  |
| \$                  | 374,460 | 241,696 | 310,665 | 478,660 | 434,449 | — | 44,211 |
| Trout..... cwt.     | 2,406   | 3,602   | 2,746   | 3,907   | 10,882  | + | 6,975  |
| \$                  | 22,636  | 36,102  | 31,930  | 46,418  | 126,955 | + | 80,537 |
| Pickrel..... cwt.   | 3,476   | 3,921   | 6,943   | 10,374  | 6,746   | — | 3,628  |
| \$                  | 20,639  | 28,159  | 52,645  | 116,175 | 65,257  | — | 50,918 |
| Pike..... cwt.      | 2,859   | 4,311   | 7,438   | 9,780   | 10,473  | + | 693    |
| \$                  | 13,680  | 17,275  | 42,889  | 83,559  | 63,516  | — | 20,043 |

## British Columbia

|                                  |            |            |            |            |            |   |           |
|----------------------------------|------------|------------|------------|------------|------------|---|-----------|
| Salmon..... cwt.                 | 1,514,765  | 1,965,159  | 1,873,376  | 2,125,555  | 1,490,395  | — | 635,160   |
| \$                               | 11,936,668 | 13,027,251 | 14,973,885 | 18,769,605 | 14,253,803 | — | 4,515,802 |
| Halibut..... cwt.                | 334,667    | 331,382    | 318,240    | 315,095    | 300,532    | — | 14,563    |
| \$                               | 6,271,993  | 5,427,542  | 3,891,819  | 4,543,720  | 3,841,333  | — | 702,387   |
| Herring..... cwt.                | 1,035,823  | 1,157,625  | 1,437,875  | 1,301,269  | 1,724,246  | + | 422,977   |
| \$                               | 1,338,450  | 1,392,580  | 1,717,985  | 1,528,734  | 1,867,429  | + | 338,695   |
| Pilchards..... cwt.              | 19,492     | 27,485     | 318,973    | 969,958    | 1,368,582  | + | 398,624   |
| \$                               | 92,036     | 82,881     | 182,911    | 1,256,721  | 1,838,867  | + | 582,146   |
| Ling cod <sup>2</sup> ..... cwt. | —          | —          | —          | —          | 49,912     | — | —         |
| \$                               | —          | —          | —          | —          | 401,259    | — | —         |
| Black cod..... cwt.              | 16,679     | 18,183     | 14,956     | 10,358     | 16,430     | + | 6,072     |
| \$                               | 136,492    | 130,334    | 114,315    | 89,371     | 123,421    | + | 34,050    |
| Clams and quahaugs..... bbl.     | 14,466     | 20,030     | 26,527     | 12,813     | 14,419     | + | 1,606     |
| \$                               | 87,216     | 153,472    | 161,764    | 105,409    | 96,182     | — | 9,227     |
| Soles..... cwt.                  | 3,675      | 4,847      | 4,978      | 6,518      | 12,638     | + | 6,120     |
| \$                               | 28,757     | 31,455     | 36,404     | 45,675     | 82,180     | + | 36,505    |
| Crabs..... cwt.                  | 8,373      | 5,957      | 6,979      | 8,389      | 8,404      | + | 15        |
| \$                               | 61,482     | 40,197     | 50,605     | 63,295     | 68,477     | + | 5,182     |

## Yukon Territory

|                     |       |        |       |        |       |   |       |
|---------------------|-------|--------|-------|--------|-------|---|-------|
| Salmon..... cwt.    | 275   | 684    | 585   | 656    | 805   | + | 149   |
| \$                  | 6,875 | 11,628 | 9,945 | 12,490 | 8,050 | — | 4,440 |
| Whitefish..... cwt. | 100   | 150    | 115   | 89     | 70    | — | 19    |
| \$                  | 2,512 | 3,750  | 2,875 | 2,492  | 1,400 | — | 1,092 |
| Trout..... cwt.     | 71    | 115    | 82    | 91     | 50    | — | 41    |
| \$                  | 1,788 | 2,875  | 2,050 | 2,548  | 1,000 | — | 1,548 |

<sup>1</sup> The total values in 1926 and 1927 include pilchard oil and meal, while preceding 1926 these items were included under the common head of fish oil and fish meal.

<sup>2</sup> Included with cod prior to 1927.



## 13. Quantities and Values by Provinces of All Fish Caught and Marketed during the year 1927

| Kind of Fish                                                        | Sea Fisheries        |           |             |              |                            |            |                     |            |                  |           |
|---------------------------------------------------------------------|----------------------|-----------|-------------|--------------|----------------------------|------------|---------------------|------------|------------------|-----------|
|                                                                     | Prince Edward Island |           | Nova Scotia |              | New Brunswick <sup>1</sup> |            | Quebec <sup>1</sup> |            | British Columbia |           |
|                                                                     | Quantity             | Value     | Quantity    | Value        | Quantity                   | Value      | Quantity            | Value      | Quantity         | Value     |
| <b>Cod, caught and landed</b> ..... cwt.                            | 49,419               | \$ 77,681 | 1,331,873   | \$ 2,433,699 | 136,773                    | \$ 211,412 | 460,573             | \$ 724,746 | 165              | \$ 470    |
| Marketed—                                                           |                      |           |             |              |                            |            |                     |            |                  |           |
| Used fresh..... cwt.                                                | 9,578                | 47,270    | 100,691     | 383,810      | 13,599                     | 50,349     | 6,898               | 23,285     | 98               | 273       |
| Fresh fillets..... cwt.                                             | —                    | —         | 11,195      | 113,676      | 603                        | 2,884      | —                   | —          | —                | —         |
| Green-salted..... cwt.                                              | 19,490               | 78,607    | 78,114      | 330,500      | 10,049                     | 41,162     | 16,621              | 60,401     | 32               | 224       |
| Canned..... cases                                                   | —                    | —         | 2,166       | 17,680       | —                          | —          | 250                 | 1,516      | —                | —         |
| Smoked fillets..... cwt.                                            | —                    | —         | 52,540      | 637,530      | 163                        | 1,879      | —                   | —          | 1                | 16        |
| Smoked..... cwt.                                                    | —                    | —         | 216         | 1,728        | —                          | —          | —                   | —          | —                | —         |
| Dried..... cwt.                                                     | 320                  | 1,750     | 274,103     | 1,637,001    | 33,720                     | 169,548    | 139,513             | 873,898    | —                | —         |
| Boneless..... cwt.                                                  | —                    | —         | 22,639      | 217,908      | 166                        | 1,669      | 1,020               | 10,200     | —                | —         |
| Cod liver oil, medicinal..... gal.                                  | —                    | —         | 57,264      | 53,130       | 12,489                     | 12,226     | 22,640              | 18,924     | 204              | 408       |
| Cod oil..... gal.                                                   | 4,010                | 1,203     | 133,555     | 62,809       | 14,294                     | 4,945      | 62,165              | 23,571     | —                | —         |
| Total value marketed.                                               | —                    | 128,830   | —           | 3,455,772    | —                          | 284,662    | —                   | 1,011,795  | —                | 921       |
| <b>Haddock, caught and landed</b> ..... cwt.                        | 1,168                | 2,613     | 331,207     | 660,669      | 33,831                     | 61,400     | 2,506               | 2,500      | —                | —         |
| Marketed—                                                           |                      |           |             |              |                            |            |                     |            |                  |           |
| Used fresh..... cwt.                                                | 650                  | 3,010     | 134,848     | 511,390      | 24,647                     | 56,009     | —                   | —          | —                | —         |
| Fresh fillets..... cwt.                                             | —                    | —         | 21,366      | 235,141      | —                          | —          | —                   | —          | —                | —         |
| Canned..... cases                                                   | —                    | —         | 10,969      | 74,856       | —                          | —          | —                   | —          | —                | —         |
| Smoked..... cwt.                                                    | —                    | —         | 37,782      | 303,238      | 324                        | 3,043      | —                   | —          | —                | —         |
| Smoked fillets..... cwt.                                            | —                    | —         | 17,928      | 206,899      | —                          | —          | —                   | —          | —                | —         |
| Green-salted..... cwt.                                              | 259                  | 777       | 2,896       | 9,478        | 862                        | 2,584      | —                   | —          | —                | —         |
| Dried..... cwt.                                                     | —                    | —         | 14,475      | 61,130       | 2,436                      | 11,288     | 833                 | 4,998      | —                | —         |
| Total value marketed.                                               | —                    | 3,787     | —           | 1,402,135    | —                          | 72,924     | —                   | 4,998      | —                | —         |
| <b>Hake and cusk, caught and landed</b> ..... cwt.                  | 11,326               | 8,403     | 119,431     | 98,542       | 45,759                     | 24,704     | 830                 | 848        | 24               | 91        |
| Marketed—                                                           |                      |           |             |              |                            |            |                     |            |                  |           |
| Used fresh..... cwt.                                                | 190                  | 440       | 5,845       | 9,180        | 637                        | 744        | —                   | —          | 24               | 102       |
| Fresh fillets..... cwt.                                             | —                    | —         | 650         | 4,000        | —                          | —          | —                   | —          | —                | —         |
| Green-salted..... cwt.                                              | 4,350                | 13,050    | 22,306      | 41,121       | 12,515                     | 26,824     | —                   | —          | —                | —         |
| Smoked fillets..... cwt.                                            | —                    | —         | 2,448       | 21,927       | 30                         | 390        | —                   | —          | —                | —         |
| Dried..... cwt.                                                     | 815                  | 3,290     | 18,315      | 71,032       | 6,322                      | 30,202     | 276                 | 1,386      | —                | —         |
| Boneless..... cwt.                                                  | —                    | —         | 1,096       | 6,580        | 288                        | 2,142      | —                   | —          | —                | —         |
| Total value marketed.                                               | —                    | 16,780    | —           | 153,840      | —                          | 60,302     | —                   | 1,380      | —                | 102       |
| <b>Pollock, caught and landed</b> ..... cwt.                        | —                    | —         | 27,357      | 28,438       | 7,693                      | 9,525      | —                   | —          | —                | —         |
| Marketed—                                                           |                      |           |             |              |                            |            |                     |            |                  |           |
| Used fresh..... cwt.                                                | —                    | —         | 2,614       | 7,456        | 164                        | 174        | —                   | —          | —                | —         |
| Green-salted..... cwt.                                              | —                    | —         | 3,600       | 8,869        | 2,350                      | 8,039      | —                   | —          | —                | —         |
| Dried..... cwt.                                                     | —                    | —         | 6,526       | 31,860       | 917                        | 6,059      | —                   | —          | —                | —         |
| Boneless..... cwt.                                                  | —                    | —         | 14          | 140          | —                          | —          | —                   | —          | —                | —         |
| Total value marketed.                                               | —                    | —         | —           | 48,325       | —                          | 14,272     | —                   | —          | —                | —         |
| <b>Whiting, caught and landed</b> ..... cwt.                        | —                    | —         | —           | —            | —                          | —          | —                   | —          | 69               | 345       |
| Marketed fresh..... cwt.                                            | —                    | —         | —           | —            | —                          | —          | —                   | —          | 69               | 487       |
| <b>Catfish, caught and landed</b> ..... cwt.                        | —                    | —         | 1,105       | 967          | —                          | —          | —                   | —          | —                | —         |
| Marketed fresh..... cwt.                                            | —                    | —         | 1,105       | 3,851        | —                          | —          | —                   | —          | —                | —         |
| <b>Halibut, caught and landed</b> ..... cwt.                        | —                    | —         | 27,551      | 342,391      | 101                        | 1,912      | 848                 | 6,561      | 300,532          | 3,343,138 |
| Marketed—                                                           |                      |           |             |              |                            |            |                     |            |                  |           |
| Used fresh..... cwt.                                                | —                    | —         | 27,292      | 465,680      | 101                        | 1,912      | 848                 | 6,817      | 300,495          | 3,840,963 |
| Smoked..... cwt.                                                    | —                    | —         | 15          | 300          | —                          | —          | —                   | —          | 19               | 370       |
| Canned..... cases                                                   | —                    | —         | 269         | 2,696        | —                          | —          | —                   | —          | —                | —         |
| Total value marketed.                                               | —                    | —         | —           | 468,679      | —                          | 1,912      | —                   | 6,817      | —                | 3,841,333 |
| <b>Flounders, Brill, Plaice, etc., caught and landed</b> ..... cwt. | —                    | —         | 8,195       | 13,673       | 1,188                      | 2,605      | —                   | —          | 3,473            | 11,091    |
| Marketed fresh..... cwt.                                            | —                    | —         | 8,195       | 30,982       | 1,188                      | 3,802      | —                   | —          | 3,473            | 17,631    |
| <b>Skate, caught and landed</b> ..... cwt.                          | —                    | —         | 7,045       | 7,041        | 157                        | 231        | —                   | —          | 1,103            | 3,283     |
| Marketed fresh..... cwt.                                            | —                    | —         | 7,045       | 20,486       | 157                        | 431        | —                   | —          | 1,103            | 5,490     |
| <b>Soles, caught and landed</b> ..... cwt.                          | —                    | —         | 12,437      | 19,695       | —                          | —          | —                   | —          | 12,638           | 62,753    |
| Marketed—                                                           |                      |           |             |              |                            |            |                     |            |                  |           |
| Used fresh..... cwt.                                                | —                    | —         | 10,151      | 45,748       | —                          | —          | —                   | —          | 12,638           | 82,180    |
| Fresh fillets..... cwt.                                             | —                    | —         | 762         | 15,970       | —                          | —          | —                   | —          | —                | —         |
| Total value marketed.                                               | —                    | —         | —           | 61,718       | —                          | —          | —                   | —          | —                | 82,180    |

<sup>1</sup>See also Inland Fisheries.

### 13. Quantities and Values by Provinces of All Fish Caught and Marketed during the year 1927—con.

| Kind of Fish                                   | Sea Fisheries        |        |             |         |               |           |          |         |                  |            |
|------------------------------------------------|----------------------|--------|-------------|---------|---------------|-----------|----------|---------|------------------|------------|
|                                                | Prince Edward Island |        | Nova Scotia |         | New Brunswick |           | Quebec   |         | British Columbia |            |
|                                                | Quantity             | Value  | Quantity    | Value   | Quantity      | Value     | Quantity | Value   | Quantity         | Value      |
| <b>Herring, caught and landed</b> ..... cwt.   | 51,834               | 71,908 | 214,560     | 225,175 | 412,833       | 249,328   | 257,439  | 139,724 | 1,724,246        | 1,342,032  |
| Marketed—                                      |                      |        |             |         |               |           |          |         |                  |            |
| Used fresh..... cwt.                           | 7,023                | 27,224 | 68,958      | 178,956 | 95,419        | 60,504    | 3,265    | 13,649  | 21,674           | 70,725     |
| Boneless..... cwt.                             | —                    | —      | 4           | 48      | —             | —         | —        | —       | —                | —          |
| Canned..... cases                              | —                    | —      | 260         | 1,872   | 9,216         | 39,871    | —        | —       | —                | —          |
| Smoked..... cwt.                               | —                    | —      | 18,619      | 101,410 | 17,613        | 50,753    | 12,530   | 41,800  | 15,005           | 54,305     |
| Dry-salted..... cwt.                           | 300                  | 2,340  | 35          | 246     | —             | —         | —        | —       | 1,048,190        | 1,483,440  |
| Pickled..... bbl.                              | 632                  | 5,006  | 15,405      | 83,949  | 6,918         | 31,619    | 9,993    | 62,615  | 138              | 2,569      |
| Used as bait..... bbl.                         | 20,287               | 53,798 | 34,852      | 99,123  | 37,396        | 65,239    | 60,337   | 72,830  | 29,774           | 94,347     |
| Fertilizer..... bbl.                           | —                    | —      | 278         | 418     | 89,320        | 92,798    | 37,366   | 18,820  | —                | —          |
| Oil..... gal.                                  | —                    | —      | —           | 23,320  | —             | 8,051     | —        | —       | 170,450          | 61,565     |
| Meal..... ton                                  | —                    | —      | 277         | 16,356  | 557           | 23,500    | —        | —       | 1,838            | 97,478     |
| Scales..... cwt.                               | —                    | —      | —           | 1,820   | —             | 7,281     | —        | —       | 1,000            | 3,000      |
| Total value marketed.                          | —                    | 88,368 | —           | 482,378 | —             | 379,616   | —        | 209,714 | —                | 1,867,429  |
| <b>Mackerel, caught and landed</b> ..... cwt.  | 6,455                | 19,889 | 72,306      | 236,796 | 9,271         | 15,457    | 70,765   | 127,828 | —                | —          |
| Marketed—                                      |                      |        |             |         |               |           |          |         |                  |            |
| Used fresh..... cwt.                           | 3,347                | 16,133 | 22,555      | 152,532 | 8,656         | 28,253    | 6,835    | 8,025   | —                | —          |
| Canned..... cases                              | 130                  | 992    | —           | —       | —             | —         | —        | —       | —                | —          |
| Smoked..... cwt.                               | —                    | —      | 37          | 424     | —             | —         | —        | —       | —                | —          |
| Salted..... bbl.                               | 1,005                | 11,130 | 16,611      | 185,820 | 205           | 2,050     | 21,300   | 177,271 | —                | —          |
| Used as bait..... bbl.                         | —                    | —      | 25          | 75      | —             | —         | —        | —       | —                | —          |
| Total value marketed.                          | —                    | 28,255 | —           | 338,851 | —             | 30,303    | —        | 185,296 | —                | —          |
| <b>Sardines, caught and landed</b> ..... bbl.  | —                    | —      | —           | —       | 174,640       | 202,346   | 55       | 190     | —                | —          |
| Marketed—                                      |                      |        |             |         |               |           |          |         |                  |            |
| Canned..... cases                              | —                    | —      | —           | —       | 240,091       | 888,336   | —        | —       | —                | —          |
| Sold fresh and salted..... bbl.                | —                    | —      | —           | —       | 116,640       | 157,914   | 55       | 325     | —                | —          |
| Total value marketed.                          | —                    | —      | —           | —       | —             | 1,046,250 | —        | 325     | —                | —          |
| <b>Pilchards, caught and landed</b> ..... cwt. | —                    | —      | —           | —       | —             | —         | —        | —       | 1,268,582        | 1,027,746  |
| Marketed—                                      |                      |        |             |         |               |           |          |         |                  |            |
| Used fresh..... cwt.                           | —                    | —      | —           | —       | —             | —         | —        | —       | 2,017            | 3,482      |
| Canned..... cases                              | —                    | —      | —           | —       | —             | —         | —        | —       | 58,501           | 230,582    |
| Used as bait..... bbl.                         | —                    | —      | —           | —       | —             | —         | —        | —       | 1,737            | 4,719      |
| Oil..... gal.                                  | —                    | —      | —           | —       | —             | —         | —        | —       | 2,673,876        | 982,786    |
| Meal..... ton                                  | —                    | —      | —           | —       | —             | —         | —        | —       | 12,169           | 617,298    |
| Total value marketed.                          | —                    | —      | —           | —       | —             | —         | —        | —       | —                | 1,838,867  |
| <b>Alewives, caught and landed</b> ..... cwt.  | —                    | —      | 14,681      | 14,276  | 39,434        | 33,496    | —        | —       | —                | —          |
| Marketed—                                      |                      |        |             |         |               |           |          |         |                  |            |
| Used fresh..... cwt.                           | —                    | —      | 6,331       | 9,369   | 5,062         | 6,376     | —        | —       | —                | —          |
| Smoked..... cwt.                               | —                    | —      | 984         | 2,788   | 2,106         | 8,553     | —        | —       | —                | —          |
| Salted..... bbl.                               | —                    | —      | 2,127       | 9,078   | 10,842        | 48,464    | —        | —       | —                | —          |
| Total value marketed.                          | —                    | —      | —           | 21,235  | —             | 63,393    | —        | —       | —                | —          |
| <b>Bass, caught and landed</b> ..... cwt.      | —                    | —      | 64          | 565     | 482           | 4,213     | —        | —       | —                | —          |
| Marketed fresh..... cwt.                       | —                    | —      | 64          | 705     | 482           | 9,338     | —        | —       | —                | —          |
| <b>Perch, caught and landed</b> ..... cwt.     | —                    | —      | —           | —       | 3             | 9         | —        | —       | 1,331            | 10,364     |
| Marketed fresh..... cwt.                       | —                    | —      | —           | —       | 3             | 18        | —        | —       | 1,381            | 12,402     |
| <b>Salmon, caught and landed</b> ..... cwt.    | 124                  | 2,434  | 12,819      | 181,583 | 22,086        | 295,053   | 14,084   | 137,384 | 1,490,395        | 8,194,577  |
| Marketed—                                      |                      |        |             |         |               |           |          |         |                  |            |
| Used fresh..... cwt.                           | 124                  | 3,031  | 12,100      | 222,323 | 22,086        | 405,030   | 11,837   | 125,206 | 210,096          | 1,780,838  |
| Canned..... cases                              | —                    | —      | 575         | 6,645   | —             | —         | 683      | 7,285   | 1,361,977        | 11,666,797 |
| Smoked..... cwt.                               | —                    | —      | 139         | 4,221   | —             | —         | —        | —       | 432              | 5,860      |
| Dry-salted..... cwt.                           | —                    | —      | —           | —       | —             | —         | 500      | 5,000   | 81,170           | 317,218    |
| Mild-cured..... cwt.                           | —                    | —      | —           | —       | —             | —         | —        | —       | 21,918           | 475,438    |
| Pickled..... cwt.                              | —                    | —      | —           | —       | —             | —         | 616      | 3,759   | 384              | 5,760      |
| Roe..... cwt.                                  | —                    | —      | —           | —       | —             | —         | —        | —       | 1,147            | 1,660      |
| Used as bait..... cwt.                         | —                    | —      | —           | —       | —             | —         | —        | —       | 93               | 232        |
| Total value marketed.                          | —                    | 3,031  | —           | 233,189 | —             | 405,030   | —        | 141,250 | —                | 14,253,803 |
| <b>Shad, caught and landed</b> ..... cwt.      | —                    | —      | 280         | 3,071   | 2,729         | 19,889    | 152      | 1,356   | —                | —          |
| Marketed—                                      |                      |        |             |         |               |           |          |         |                  |            |
| Used fresh..... cwt.                           | —                    | —      | 220         | 3,409   | 2,714         | 26,062    | 152      | 1,356   | —                | —          |
| Salted..... bbl.                               | —                    | —      | 20          | 600     | 6             | 132       | —        | —       | —                | —          |
| Total value marketed.                          | —                    | —      | —           | 4,009   | —             | 26,194    | —        | 1,356   | —                | —          |

<sup>1</sup>See also Inland Fisheries.

### 13. Quantities and Values by Provinces of All Fish Caught and Marketed during the year 1927—con.

| Kind of Fish                                             | Sea Fisheries        |            |             |           |                            |            |                     |           |                  |           |        |
|----------------------------------------------------------|----------------------|------------|-------------|-----------|----------------------------|------------|---------------------|-----------|------------------|-----------|--------|
|                                                          | Prince Edward Island |            | Nova Scotia |           | New Brunswick <sup>1</sup> |            | Quebec <sup>1</sup> |           | British Columbia |           |        |
|                                                          | Quantity             | Value      | Quantity    | Value     | Quantity                   | Value      | Quantity            | Value     | Quantity         | Value     |        |
| <b>Smelts, caught and landed.....</b> cwt.               | 14,936               | \$ 126,459 | 7,110       | \$ 77,679 | 46,184                     | \$ 431,548 | 4,289               | \$ 35,188 | 1,104            | \$ 12,829 |        |
| Marketed fresh.....                                      | cwt.                 | 14,936     | 179,232     | 7,110     | 124,653                    | 46,184     | 686,163             | 4,289     | 38,108           | 1,104     | 16,459 |
| <b>Sturgeon, caught and landed.....</b> cwt.             | -                    | -          | 10          | 85        | -                          | -          | 18                  | 180       | 359              | 7,229     |        |
| Marketed fresh.....                                      | cwt.                 | -          | -           | 10        | 191                        | -          | -                   | 18        | 180              | 359       | 7,971  |
| <b>Trout, caught and landed.....</b> cwt.                | 61                   | 606        | 1,022       | 17,771    | 172                        | 3,998      | 752                 | 7,714     | 96               | 1,024     |        |
| Marketed—                                                |                      |            |             |           |                            |            |                     |           |                  |           |        |
| Used fresh.....                                          | cwt.                 | 61         | 646         | 1,022     | 19,457                     | 172        | 3,998               | 626       | 6,780            | 96        | 1,118  |
| Canned.....                                              | cases                | -          | -           | -         | -                          | -          | -                   | 96        | 719              | -         | -      |
| Pickled.....                                             | cwt.                 | -          | -           | -         | -                          | -          | -                   | 30        | 225              | -         | -      |
| Total value marketed.                                    |                      | 646        | -           | 19,457    | -                          | 3,998      | -                   | 7,724     | -                | 1,118     |        |
| <b>Black Cod, caught and landed.....</b> cwt.            | -                    | -          | -           | -         | -                          | -          | -                   | -         | 16,430           | 85,167    |        |
| Marketed—                                                |                      |            |             |           |                            |            |                     |           |                  |           |        |
| Used fresh.....                                          | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 7,798            | 64,680    |        |
| Green-salted.....                                        | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 19               | 207       |        |
| Smoked.....                                              | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 3,969            | 52,305    |        |
| Smoked fillets.....                                      | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 328              | 6,229     |        |
| Total value marketed.                                    |                      | -          | -           | -         | -                          | -          | -                   | -         | -                | 123,421   |        |
| <b>Red Cod, etc., caught and landed.....</b> cwt.        | -                    | -          | -           | -         | -                          | -          | -                   | -         | 4,436            | 15,753    |        |
| Marketed fresh.....                                      | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 4,436            | 22,479    |        |
| <b>Ling Cod, caught and landed.....</b> cwt.             | -                    | -          | -           | -         | -                          | -          | -                   | -         | 49,916           | 287,918   |        |
| Marketed—                                                |                      |            |             |           |                            |            |                     |           |                  |           |        |
| Used fresh.....                                          | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 49,802           | 400,560   |        |
| Smoked.....                                              | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 57               | 699       |        |
| Total value marketed.                                    |                      | -          | -           | -         | -                          | -          | -                   | -         | -                | 401,259   |        |
| <b>Albacore, caught and landed.....</b> cwt.             | -                    | -          | 3,362       | 18,122    | -                          | -          | -                   | -         | -                | -         |        |
| Marketed fresh.....                                      | cwt.                 | -          | 3,362       | 25,941    | -                          | -          | -                   | -         | -                | -         |        |
| <b>Caplin, caught and landed.....</b> bbl.               | 183                  | 635        | -           | -         | -                          | -          | 1,443               | 2,449     | -                | -         |        |
| Marketed fresh.....                                      | bbl.                 | 183        | 850         | -         | -                          | -          | 1,443               | 2,449     | -                | -         |        |
| <b>Eels, caught and landed.....</b> cwt.                 | 131                  | 921        | 798         | 7,483     | 32                         | 300        | 413                 | 2,170     | -                | -         |        |
| Marketed fresh.....                                      | cwt.                 | 131        | 1,358       | 798       | 9,386                      | 32         | 300                 | 413       | 2,370            | -         |        |
| <b>Greyfish<sup>2</sup>, caught and landed.....</b> cwt. | -                    | -          | 63,231      | 4,075     | -                          | -          | -                   | -         | 112,700          | 39,445    |        |
| <b>Octopus caught and landed.....</b> cwt.               | -                    | -          | -           | -         | -                          | -          | -                   | -         | 313              | 1,757     |        |
| Marketed fresh.....                                      | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 313              | 2,241     |        |
| <b>Qulachons, caught and landed.....</b> cwt.            | -                    | -          | -           | -         | -                          | -          | -                   | -         | 486              | 2,706     |        |
| Marketed fresh.....                                      | cwt.                 | -          | -           | -         | -                          | -          | -                   | -         | 486              | 2,800     |        |
| <b>Squid, caught and landed.....</b> bbl.                | -                    | -          | 1,974       | 6,055     | -                          | -          | 1,202               | 1,577     | -                | -         |        |
| Used as bait.....                                        | bbl.                 | -          | 1,974       | 8,488     | -                          | -          | 1,202               | 1,577     | -                | -         |        |
| <b>Swordfish, caught and landed.....</b> cwt.            | -                    | -          | 7,299       | 88,090    | -                          | -          | -                   | -         | -                | -         |        |
| Marketed fresh.....                                      | cwt.                 | -          | 7,299       | 120,692   | -                          | -          | -                   | -         | -                | -         |        |
| <b>Tom Cod, caught and landed.....</b> cwt.              | 1,823                | 4,147      | 152         | 187       | 20,246                     | 35,935     | 523                 | 1,058     | 50               | 152       |        |
| Marketed fresh.....                                      | cwt.                 | 1,823      | 4,195       | 152       | 207                        | 20,246     | 91,979              | 523       | 1,058            | 156       |        |
| <b>Mixed Fish, caught and landed.....</b> cwt.           | -                    | -          | 562         | 401       | 733                        | 630        | 8,500               | 42,500    | -                | -         |        |
| (Not including any kinds mentioned elsewhere).           |                      |            |             |           |                            |            |                     |           |                  |           |        |
| Marketed fresh.....                                      | cwt.                 | -          | -           | 562       | 401                        | 733        | 630                 | 8,500     | 42,500           | -         |        |
| <b>Clams and Quahaugs, caught and landed</b> bbl.        | 1,174                | 1,374      | 7,242       | 11,477    | 33,197                     | 52,354     | 1,680               | 9,755     | 14,419           | 47,374    |        |
| Marketed—                                                |                      |            |             |           |                            |            |                     |           |                  |           |        |
| Used fresh.....                                          | bbl.                 | 273        | 518         | 3,692     | 11,716                     | 9,595      | 16,319              | 1,680     | 9,755            | 2,764     |        |
| Canned.....                                              | cases                | 901        | 5,242       | 3,579     | 20,176                     | 22,692     | 114,379             | -         | -                | 11,654    |        |
| Total value marketed.                                    |                      | -          | 5,760       | -         | 31,892                     | -          | 130,698             | -         | 9,755            | -         |        |
| <b>Cockles, caught and landed.....</b> cwt.              | -                    | -          | -           | -         | 143                        | 500        | 150                 | 600       | -                | -         |        |
| Marketed fresh.....                                      | cwt.                 | -          | -           | -         | 143                        | 500        | 150                 | 600       | -                | -         |        |

<sup>1</sup> See also Inland Fisheries.<sup>2</sup> Used in the manufacture of fish oil and fertilizer.

### 13. Quantities and Values by Provinces of All Fish Caught and Marketed during the year 1927—con.

| Kind of Fish                                       | Sea Fisheries        |           |             |            |                            |           |                     |           |                  |            |
|----------------------------------------------------|----------------------|-----------|-------------|------------|----------------------------|-----------|---------------------|-----------|------------------|------------|
|                                                    | Prince Edward Island |           | Nova Scotia |            | New Brunswick <sup>1</sup> |           | Quebec <sup>1</sup> |           | British Columbia |            |
|                                                    | Quantity             | Value     | Quantity    | Value      | Quantity                   | Value     | Quantity            | Value     | Quantity         | Value      |
| <b>Crabs, caught and landed..... cwt.</b>          | 135                  | \$ 303    | -           | \$ -       | -                          | \$ -      | -                   | \$ -      | 8,404            | \$ 42,540  |
| Marketed—                                          |                      |           |             |            |                            |           |                     |           |                  |            |
| Used fresh..... cwt.                               | -                    | -         | -           | -          | -                          | -         | -                   | -         | 7,467            | 59,107     |
| Canned..... cases                                  | 15                   | 360       | -           | -          | -                          | -         | -                   | -         | 468              | 9,370      |
| Total value marketed.                              | -                    | 360       | -           | -          | -                          | -         | -                   | -         | -                | 68,477     |
| <b>Lobsters, caught and landed..... cwt.</b>       | 62,800               | 617,057   | 179,673     | 2,433,107  | 49,752                     | 694,212   | 24,606              | 217,696   | -                | -          |
| Marketed—                                          |                      |           |             |            |                            |           |                     |           |                  |            |
| In shell..... cwt.                                 | 1,847                | 40,817    | 67,751      | 1,492,350  | 16,162                     | 431,870   | 1,147               | 14,022    | -                | -          |
| Meat..... cwt.                                     | 50                   | 4,000     | 54          | 4,334      | -                          | -         | 10                  | 240       | -                | -          |
| Canned..... cases                                  | 27,896               | 801,542   | 55,771      | 1,727,105  | 18,866                     | 522,162   | 11,404              | 342,289   | -                | -          |
| Tomalley..... cases                                | 630                  | 9,558     | 2,536       | 31,838     | 103                        | 1,021     | 280                 | 3,028     | -                | -          |
| Total value marketed.                              | -                    | 855,917   | -           | 3,255,627  | -                          | 955,053   | -                   | 359,579   | -                | -          |
| <b>Abalone, caught and landed..... bbl.</b>        | -                    | -         | -           | -          | -                          | -         | -                   | -         | 433              | 3,031      |
| Marketed canned... cases                           | -                    | -         | -           | -          | -                          | -         | -                   | -         | 433              | 6,062      |
| <b>Oysters, caught and landed..... bbl.</b>        | 4,071                | 29,068    | 1,817       | 10,552     | 13,574                     | 78,093    | -                   | -         | 2,188            | 30,792     |
| Marketed fresh..... bbl.                           | 4,071                | 48,838    | 1,817       | 16,109     | 13,574                     | 100,576   | -                   | -         | 2,188            | 32,258     |
| <b>Scallops, caught and landed..... bbl.</b>       | 96                   | 192       | 37,607      | 203,809    | -                          | -         | 932                 | 3,249     | -                | -          |
| Marketed—                                          |                      |           |             |            |                            |           |                     |           |                  |            |
| Shelled..... gal.                                  | 192                  | 240       | 74,100      | 207,858    | -                          | -         | 1,834               | 4,674     | -                | -          |
| Canned..... cases                                  | -                    | -         | 249         | 4,980      | -                          | -         | 12                  | 180       | -                | -          |
| Total value marketed.                              | -                    | 240       | -           | 212,838    | -                          | -         | -                   | 4,854     | -                | -          |
| <b>Shrimps, caught and landed..... cwt.</b>        | -                    | -         | -           | -          | -                          | -         | -                   | -         | 842              | 12,772     |
| Marketed fresh..... cwt.                           | -                    | -         | -           | -          | -                          | -         | -                   | -         | 842              | 16,592     |
| <b>Tongues and Sounds, pickled or dried.. cwt.</b> | 68                   | 1,360     | 287         | 2,231      | 40                         | 131       | 59                  | 493       | -                | -          |
| <b>Winkles, caught and landed..... cwt.</b>        | -                    | -         | 1,621       | 2,603      | 520                        | 1,099     | -                   | -         | -                | -          |
| Marketed fresh..... cwt.                           | -                    | -         | 1,621       | 3,639      | 520                        | 1,231     | -                   | -         | -                | -          |
| <b>Dulse, green..... cwt.</b>                      | -                    | -         | 74          | 740        | 2,870                      | 4,550     | -                   | -         | -                | -          |
| Marketed dried..... cwt.                           | -                    | -         | 15          | 925        | 650                        | 7,040     | -                   | -         | -                | -          |
| <b>Fur Seals, caught and landed..... no.</b>       | -                    | -         | -           | -          | -                          | -         | -                   | -         | 1,476            | 14,517     |
| Skins marketed..... no.                            | -                    | -         | -           | -          | -                          | -         | -                   | -         | 1,476            | 15,805     |
| <b>Hair Seals, caught and landed..... no.</b>      | -                    | -         | -           | -          | -                          | -         | 53,306              | 66,849    | -                | -          |
| Marketed—Skins... no.                              | -                    | -         | -           | -          | -                          | -         | 53,306              | 62,883    | -                | -          |
| Oil..... gal.                                      | -                    | -         | -           | -          | -                          | -         | 66,699              | 22,810    | -                | -          |
| Total value marketed.                              | -                    | -         | -           | -          | -                          | -         | -                   | 85,693    | -                | -          |
| <b>Porpoises, caught and landed..... no.</b>       | -                    | -         | -           | -          | -                          | -         | 1                   | 40        | -                | -          |
| Marketed—Skins... no.                              | -                    | -         | -           | -          | -                          | -         | 1                   | 10        | -                | -          |
| Oil..... gal.                                      | -                    | -         | -           | -          | -                          | -         | 60                  | 30        | -                | -          |
| Total value marketed.                              | -                    | -         | -           | -          | -                          | -         | -                   | 40        | -                | -          |
| <b>Whales, caught and landed..... no.</b>          | -                    | -         | -           | -          | -                          | -         | -                   | -         | 258              | 241,488    |
| Marketed—                                          |                      |           |             |            |                            |           |                     |           |                  |            |
| Whalebone and meal..... ton                        | -                    | -         | -           | -          | -                          | -         | -                   | -         | 345              | 9,560      |
| Whale oil..... gal.                                | -                    | -         | -           | -          | -                          | -         | -                   | -         | 437,967          | 192,868    |
| Whale fertilizer... ton                            | -                    | -         | -           | -          | -                          | -         | -                   | -         | 651              | 39,060     |
| Total value marketed.                              | -                    | -         | -           | -          | -                          | -         | -                   | -         | -                | 241,488    |
| <b>Miscellaneous Products—</b>                     |                      |           |             |            |                            |           |                     |           |                  |            |
| Fish oil, n.e.s..... gal.                          | -                    | -         | 16,201      | 8,891      | 4,725                      | 1,920     | 2,500               | 1,000     | 375,130          | 138,180    |
| Fish glue..... gal.                                | -                    | -         | 10,909      | 11,078     | -                          | -         | -                   | -         | -                | -          |
| Fish meal, n.e.s..... ton                          | -                    | -         | 2,301       | 141,670    | -                          | -         | 200                 | 100       | 2,512            | 145,449    |
| Fish fertilizer, n.e.s.. ton                       | -                    | -         | -           | -          | 121                        | 1,474     | 24                  | 606       | 140              | 5,300      |
| Fish skins and bones. cwt.                         | -                    | -         | 9,325       | 16,860     | 190                        | 295       | 284                 | 639       | -                | -          |
| Fish offal..... ton                                | -                    | -         | 8,801       | 32,772     | -                          | -         | -                   | -         | -                | -          |
| Other products.....                                | -                    | -         | -           | 4,528      | -                          | 2,655     | -                   | -         | -                | -          |
| <b>Total Value Sea Fisheries—</b>                  |                      |           |             |            |                            |           |                     |           |                  |            |
| Caught and landed.....                             | -                    | 963,690   | -           | 7,148,817  | -                          | 2,437,832 | -                   | 1,532,162 | -                | 14,842,384 |
| Marketed.....                                      | -                    | 1,367,807 | -           | 10,783,631 | -                          | 4,388,090 | -                   | 2,122,256 | -                | 23,264,842 |

<sup>1</sup> See also Inland Fisheries.

### 13. Quantities and Values by Provinces of All Fish Caught and Marketed during the year 1927—con.

| Kind of Fish                                          | Inland Fisheries           |        |                     |         |          |           |
|-------------------------------------------------------|----------------------------|--------|---------------------|---------|----------|-----------|
|                                                       | New Brunswick <sup>1</sup> |        | Quebec <sup>1</sup> |         | Ontario  |           |
|                                                       | Quantity                   | Value  | Quantity            | Value   | Quantity | Value     |
|                                                       |                            | \$     |                     | \$      |          | \$        |
| <b>Alewives, caught and landed</b> ..... cwt.         | 660                        | 1,980  | -                   | -       | -        | -         |
| Marketed—                                             |                            |        |                     |         |          |           |
| Used fresh..... cwt.                                  | 264                        | 792    | -                   | -       | -        | -         |
| Salted..... bbl.                                      | 132                        | 1,188  | -                   | -       | -        | -         |
| Total value marketed.....                             | -                          | 1,980  | -                   | -       | -        | -         |
| <b>Bass, caught and landed</b> ..... cwt.             | 12                         | 216    | 361                 | 5,534   | -        | -         |
| Marketed fresh..... cwt.                              | 12                         | 216    | 361                 | 5,534   | -        | -         |
| <b>Carp, caught and landed</b> ..... cwt.             | -                          | -      | 5,032               | 63,298  | 7,686    | 26,901    |
| Marketed fresh..... cwt.                              | -                          | -      | 5,032               | 63,298  | 7,686    | 30,744    |
| <b>Catfish, caught and landed</b> ..... cwt.          | -                          | -      | 2,680               | 29,497  | 4,094    | 24,564    |
| Marketed fresh..... cwt.                              | -                          | -      | 2,680               | 29,497  | 4,094    | 28,658    |
| <b>Eels, caught and landed</b> ..... cwt.             | 125                        | 500    | 13,157              | 110,778 | 1,270    | 12,700    |
| Marketed fresh..... cwt.                              | 125                        | 500    | 13,157              | 110,778 | 1,270    | 15,240    |
| <b>Herring, caught and landed</b> ..... cwt.          | -                          | -      | 5,082               | 28,379  | 58,099   | 174,297   |
| Marketed fresh..... cwt.                              | -                          | -      | 5,082               | 28,379  | 58,099   | 302,114   |
| <b>Maskinonge, caught and landed</b> ..... cwt.       | -                          | -      | 107                 | 2,426   | -        | -         |
| Marketed fresh..... cwt.                              | -                          | -      | 107                 | 2,426   | -        | -         |
| <b>Mixed fish, caught and landed</b> ..... cwt.       | -                          | -      | 9,172               | 56,801  | 29,564   | 118,257   |
| (Graylings, bullheads, ouananiche, etc.)              |                            |        |                     |         |          |           |
| Marketed fresh..... cwt.                              | -                          | -      | 9,172               | 56,801  | 29,564   | 118,257   |
| <b>Mullets, caught and landed</b> ..... cwt.          | 255                        | 1,005  | -                   | -       | -        | -         |
| Marketed fresh..... cwt.                              | 255                        | 1,005  | -                   | -       | -        | -         |
| <b>Perch, caught and landed</b> ..... cwt.            | 28                         | 140    | 2,147               | 18,399  | 28,180   | 169,080   |
| Marketed fresh..... cwt.                              | 28                         | 140    | 2,147               | 18,399  | 28,180   | 211,352   |
| <b>Pickeral or dore, caught and landed</b> ..... cwt. | 480                        | 5,560  | 8,064               | 137,165 | 21,163   | 232,793   |
| Marketed fresh..... cwt.                              | 480                        | 5,560  | 8,064               | 137,165 | 21,163   | 300,529   |
| <b>Pickeral, blue, caught and landed</b> ..... cwt.   | -                          | -      | -                   | -       | 31,173   | 124,692   |
| Marketed fresh..... cwt.                              | -                          | -      | -                   | -       | 31,173   | 187,038   |
| <b>Pike, caught and landed</b> ..... cwt.             | -                          | -      | 2,099               | 21,549  | 14,002   | 70,010    |
| Marketed fresh..... cwt.                              | -                          | -      | 2,099               | 21,549  | 14,002   | 98,014    |
| <b>Salmon, caught and landed</b> ..... cwt.           | 378                        | 9,250  | 756                 | 11,460  | -        | -         |
| Marketed fresh..... cwt.                              | 378                        | 9,250  | 756                 | 11,460  | -        | -         |
| <b>Shad, caught and landed</b> ..... cwt.             | 674                        | 4,044  | 646                 | 7,417   | -        | -         |
| Marketed fresh..... cwt.                              | 674                        | 4,044  | 646                 | 7,417   | -        | -         |
| <b>Smelts, caught and landed</b> ..... cwt.           | -                          | -      | 9,139               | 72,715  | -        | -         |
| Marketed fresh..... cwt.                              | -                          | -      | 9,139               | 72,715  | -        | -         |
| <b>Sturgeon, caught and landed</b> ..... cwt.         | 24                         | 528    | 2,025               | 35,230  | 1,529    | 41,283    |
| Marketed—                                             |                            |        |                     |         |          |           |
| Used fresh..... cwt.                                  | 24                         | 528    | 2,025               | 35,230  | 1,529    | 45,870    |
| Caviar..... lb.                                       | -                          | -      | -                   | -       | 5,663    | 9,060     |
| Total value marketed.....                             | -                          | 528    | -                   | 35,230  | -        | 54,930    |
| <b>Trout, caught and landed</b> ..... cwt.            | -                          | -      | 183                 | 2,365   | 74,978   | 914,732   |
| Marketed fresh..... cwt.                              | -                          | -      | 183                 | 2,365   | 74,978   | 1,192,150 |
| <b>Tullibee, caught and landed</b> ..... cwt.         | -                          | -      | -                   | -       | 15,520   | 155,200   |
| Marketed fresh..... cwt.                              | -                          | -      | -                   | -       | 15,520   | 194,001   |
| <b>Whitefish, caught and landed</b> ..... cwt.        | 35                         | 360    | 1,109               | 11,681  | 61,658   | 739,596   |
| Marketed fresh..... cwt.                              | 35                         | 360    | 1,109               | 11,681  | 61,658   | 937,202   |
| <b>Total Value Inland Fisheries—</b>                  |                            |        |                     |         |          |           |
| Caught and landed.....                                | -                          | 23,583 | -                   | 614,194 | -        | 2,804,405 |
| Marketed.....                                         | -                          | 23,583 | -                   | 614,194 | -        | 3,670,229 |

<sup>1</sup> See also Sea Fisheries.

### 13. Quantities and Values by Provinces of All Fish Caught and Marketed during the year 1927—concluded

| Kind of Fish                                     | Inland Fisheries |             |               |             |               |             |               |             |
|--------------------------------------------------|------------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
|                                                  | Manitoba         |             | Saskatchewan  |             | Alberta       |             | Yukon         |             |
|                                                  | Quan-<br>tity    | Value<br>\$ | Quan-<br>tity | Value<br>\$ | Quan-<br>tity | Value<br>\$ | Quan-<br>tity | Value<br>\$ |
| <b>Carp, caught and landed..... cwt.</b>         | 40               | 160         | —             | —           | —             | —           | —             | —           |
| Marketed fresh..... cwt.                         | 40               | 240         | —             | —           | —             | —           | —             | —           |
| <b>Catfish, caught and landed..... cwt.</b>      | 1,434            | 15,242      | —             | —           | —             | —           | —             | —           |
| Marketed fresh..... cwt.                         | 1,434            | 17,610      | —             | —           | —             | —           | —             | —           |
| <b>Goldeyes, caught and landed..... cwt.</b>     | 11,426           | 39,339      | 65            | 650         | —             | —           | —             | —           |
| Marketed—                                        |                  |             |               |             |               |             |               |             |
| Used fresh..... cwt.                             | 3,799            | 16,014      | 65            | 780         | —             | —           | —             | —           |
| Smoked..... cwt.                                 | 5,678            | 99,176      | —             | —           | —             | —           | —             | —           |
| Total value marketed.....                        | —                | 115,190     | —             | 780         | —             | —           | —             | —           |
| <b>Herring, caught and landed..... cwt.</b>      | 20               | 100         | —             | —           | —             | —           | —             | —           |
| Marketed fresh..... cwt.                         | 20               | 100         | —             | —           | —             | —           | —             | —           |
| <b>Mixed Fish, caught and landed..... cwt.</b>   | 217              | 800         | 2,380         | 3,741       | 2,281         | 2,581       | 80            | 1,200       |
| Marketed fresh..... cwt.                         | 217              | 918         | 2,380         | 4,999       | 2,281         | 2,881       | 80            | 1,600       |
| <b>Mullets, caught and landed..... cwt.</b>      | 11,739           | 13,933      | 2,647         | 6,432       | 1,265         | 2,226       | —             | —           |
| Marketed fresh..... cwt.                         | 11,739           | 19,653      | 2,647         | 10,871      | 1,265         | 2,356       | —             | —           |
| <b>Saugers, caught and landed..... cwt.</b>      | 2,461            | 10,937      | —             | —           | —             | —           | —             | —           |
| Marketed fresh..... cwt.                         | 2,461            | 13,348      | —             | —           | —             | —           | —             | —           |
| <b>Perch, caught and landed..... cwt.</b>        | 2,161            | 19,983      | —             | —           | 673           | 4,590       | —             | —           |
| Marketed fresh..... cwt.                         | 2,161            | 23,816      | —             | —           | 673           | 6,560       | —             | —           |
| <b>Pickereel or dore, caught and landed cwt.</b> | 99,813           | 636,067     | 3,753         | 17,894      | 6,746         | 36,339      | —             | —           |
| Marketed fresh..... cwt.                         | 99,813           | 804,854     | 3,753         | 34,224      | 6,746         | 65,257      | —             | —           |
| <b>Pike, caught and landed..... cwt.</b>         | 40,166           | 107,696     | 3,731         | 14,078      | 10,473        | 40,207      | 2             | 30          |
| Marketed fresh..... cwt.                         | 40,166           | 149,658     | 3,731         | 24,215      | 10,473        | 63,516      | 2             | 40          |
| <b>Salmon, caught and landed..... cwt.</b>       | —                | —           | —             | —           | —             | —           | 805           | 6,440       |
| Marketed fresh..... cwt.                         | —                | —           | —             | —           | —             | —           | 805           | 8,050       |
| <b>Sturgeon, caught and landed..... cwt.</b>     | 820              | 27,124      | —             | —           | —             | —           | —             | —           |
| Marketed—                                        |                  |             |               |             |               |             |               |             |
| Used fresh..... cwt.                             | 820              | 43,640      | —             | —           | —             | —           | —             | —           |
| Caviar..... lb.                                  | 910              | 1,050       | —             | —           | —             | —           | —             | —           |
| Total value marketed.....                        | —                | 44,690      | —             | —           | —             | —           | —             | —           |
| <b>Trout, caught and landed..... cwt.</b>        | 1,111            | 9,199       | 2,700         | 17,669      | 10,882        | 62,583      | 50            | 750         |
| Marketed fresh..... cwt.                         | 1,111            | 12,097      | 2,700         | 29,784      | 10,882        | 126,955     | 50            | 1,000       |
| <b>Tullibee, caught and landed..... cwt.</b>     | 102,451          | 305,744     | 1,201         | 6,186       | 2,592         | 8,560       | —             | —           |
| Marketed—                                        |                  |             |               |             |               |             |               |             |
| Used fresh..... cwt.                             | 102,391          | 418,678     | 1,201         | 9,551       | 2,532         | 10,195      | —             | —           |
| Smoked..... cwt.                                 | 30               | 425         | —             | —           | 30            | 300         | —             | —           |
| Total value marketed.....                        | —                | 419,103     | —             | 9,551       | —             | 10,495      | —             | —           |
| <b>Whitefish, caught and landed..... cwt.</b>    | 49,114           | 236,356     | 41,323        | 217,540     | 32,355        | 277,817     | 70            | 1,050       |
| Marketed fresh..... cwt.                         | 49,114           | 418,461     | 41,323        | 389,185     | 32,355        | 434,449     | 70            | 1,400       |
| <b>Total Value Inland Fisheries—</b>             |                  |             |               |             |               |             |               |             |
| Caught and landed.....                           | —                | 1,422,680   | —             | 284,190     | —             | 434,903     | —             | 9,470       |
| Marketed.....                                    | —                | 2,039,738   | —             | 503,609     | —             | 712,469     | —             | 12,099      |

**14. Total Values for Counties and Districts of Sea Fish Caught and Landed  
and Marketed, 1927**

| County or District                      | Total Value<br>of Sea Fish<br>Caught<br>and<br>Landed | Total Value<br>of Sea Fish<br>and Fish<br>Products<br>Marketed |
|-----------------------------------------|-------------------------------------------------------|----------------------------------------------------------------|
|                                         | \$                                                    | \$                                                             |
| <b>Prince Edward Island—Totals.....</b> | <b>963,690</b>                                        | <b>1,367,807</b>                                               |
| Kings.....                              | 272,389                                               | 430,530                                                        |
| Queens.....                             | 314,442                                               | 467,272                                                        |
| Prince.....                             | 376,859                                               | 470,005                                                        |
| <b>Nova Scotia—Totals.....</b>          | <b>7,148,817</b>                                      | <b>10,783,631</b>                                              |
| Richmond.....                           | 156,839                                               | 170,405                                                        |
| Cape Breton.....                        | 340,752                                               | 544,870                                                        |
| Victoria.....                           | 201,608                                               | 186,946                                                        |
| Inverness.....                          | 268,902                                               | 570,403                                                        |
| Cumberland.....                         | 61,915                                                | 96,867                                                         |
| Colchester.....                         | 10,085                                                | 14,792                                                         |
| Pictou.....                             | 173,014                                               | 324,653                                                        |
| Antigonish.....                         | 169,398                                               | 269,731                                                        |
| Guysborough.....                        | 686,339                                               | 1,327,685                                                      |
| Halifax.....                            | 754,062                                               | 1,968,549                                                      |
| Hants.....                              | 5,170                                                 | 7,981                                                          |
| Lunenburg.....                          | 1,792,927                                             | 1,956,840                                                      |
| Queens.....                             | 221,233                                               | 268,803                                                        |
| Shelburne.....                          | 615,900                                               | 857,564                                                        |
| Yarmouth.....                           | 911,717                                               | 1,112,172                                                      |
| Digby.....                              | 611,783                                               | 899,173                                                        |
| Annapolis.....                          | 144,186                                               | 183,195                                                        |
| Kings.....                              | 22,987                                                | 23,002                                                         |
| <b>New Brunswick—Totals.....</b>        | <b>2,437,832</b>                                      | <b>4,383,090</b>                                               |
| Charlotte.....                          | 594,305                                               | 1,663,190                                                      |
| St. John.....                           | 144,860                                               | 193,050                                                        |
| Albert.....                             | 418                                                   | 418                                                            |
| Westmorland.....                        | 197,137                                               | 421,019                                                        |
| Kent.....                               | 337,475                                               | 389,148                                                        |
| Northumberland.....                     | 484,975                                               | 923,241                                                        |
| Gloucester.....                         | 510,643                                               | 622,496                                                        |
| Restigouche.....                        | 168,019                                               | 170,528                                                        |
| <b>Quebec—Totals.....</b>               | <b>1,532,162</b>                                      | <b>2,122,256</b>                                               |
| Bonaventure.....                        | 212,810                                               | 297,391                                                        |
| Gaspe.....                              | 524,917                                               | 716,627                                                        |
| Magdalen Islands.....                   | 440,343                                               | 722,105                                                        |
| Saguenay.....                           | 260,659                                               | 290,468                                                        |
| Matane.....                             | 20,073                                                | 22,305                                                         |
| Rimouski.....                           | 73,360                                                | 73,360                                                         |
| <b>British Columbia—Totals.....</b>     | <b>14,842,384</b>                                     | <b>23,264,342</b>                                              |
| District No. 1.....                     | 3,830,001                                             | 4,272,433                                                      |
| District No. 2.....                     | 6,595,420                                             | 11,211,022                                                     |
| District No. 3.....                     | 4,416,963                                             | 7,780,887                                                      |

15. Proportion of Catch of Sea Fish taken Offshore (by steam-trawlers and vessels of 40 tons or over, fishing on offshore grounds), 1927

| Province and County or District | Cod                     |                        |                       | Haddock                 |                        |                       | Hake and Cusk           |                        |                       |
|---------------------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|
|                                 | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught |
|                                 | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  |
| 1 Canada—Totals.....            | 926,094                 | 1,052,709              | 1,978,803             | 203,863                 | 217,846                | 421,709               | 6,644                   | 170,726                | 177,370               |
| 2 Prince Edward Island—Totals.  | -                       | 49,419                 | 49,419                | -                       | 1,168                  | 1,168                 | -                       | 11,326                 | 11,326                |
| 3 Kings.....                    | -                       | 6,761                  | 6,761                 | -                       | 963                    | 963                   | -                       | 3,097                  | 3,097                 |
| 4 Queens.....                   | -                       | 34,632                 | 34,632                | -                       | 205                    | 205                   | -                       | 2,054                  | 2,054                 |
| 5 Prince.....                   | -                       | 8,026                  | 8,026                 | -                       | -                      | -                     | -                       | 6,175                  | 6,175                 |
| 6 Nova Scotia—Totals.....       | 890,266                 | 441,607                | 1,331,873             | 203,863                 | 180,344                | 384,207               | 6,644                   | 112,787                | 119,431               |
| 7 Richmond.....                 | -                       | 10,310                 | 10,310                | -                       | 13,020                 | 13,020                | -                       | -                      | -                     |
| 8 Cape Breton.....              | -                       | 43,342                 | 43,342                | -                       | 6,888                  | 6,888                 | -                       | -                      | -                     |
| 9 Victoria.....                 | -                       | 61,587                 | 61,587                | -                       | 33,478                 | 33,478                | -                       | 31                     | 31                    |
| 10 Inverness.....               | 5,823                   | 18,034                 | 23,857                | 12,617                  | 2,341                  | 14,958                | 97                      | 3,535                  | 3,632                 |
| 11 Cumberland.....              | -                       | 62                     | 62                    | -                       | 29                     | 29                    | -                       | -                      | -                     |
| 12 Colchester.....              | -                       | 62                     | 62                    | -                       | -                      | -                     | -                       | -                      | -                     |
| 13 Pictou.....                  | -                       | 153                    | 153                   | -                       | -                      | -                     | -                       | 343                    | 343                   |
| 14 Antigonish.....              | -                       | 1,750                  | 1,750                 | -                       | 400                    | 400                   | -                       | 2,770                  | 2,770                 |
| 15 Guysborough.....             | 40,859                  | 64,609                 | 105,468               | 42,663                  | 13,701                 | 56,364                | 120                     | 1,085                  | 1,205                 |
| 16 Halifax.....                 | 60,006                  | 45,353                 | 105,359               | 130,700                 | 4,441                  | 135,141               | 222                     | 851                    | 1,073                 |
| 17 Hants.....                   | -                       | 22                     | 22                    | -                       | -                      | -                     | -                       | -                      | -                     |
| 18 Lunenburg.....               | 754,040                 | 42,840                 | 796,880               | 16,220                  | 3,655                  | 19,875                | 1,880                   | 2,436                  | 4,316                 |
| 19 Queens.....                  | -                       | 32,186                 | 32,186                | -                       | 4,877                  | 4,877                 | -                       | 3,412                  | 3,412                 |
| 20 Shelburne.....               | 5,940                   | 68,107                 | 74,047                | 290                     | 20,086                 | 20,386                | 300                     | 795                    | 1,095                 |
| 21 Yarmouth.....                | 23,598                  | 15,337                 | 38,935                | 1,373                   | 6,397                  | 7,770                 | 4,025                   | 972                    | 4,997                 |
| 22 Digby.....                   | -                       | 33,060                 | 33,060                | -                       | 68,781                 | 68,781                | -                       | 95,570                 | 95,570                |
| 23 Annapolis.....               | -                       | 3,796                  | 3,796                 | -                       | 1,642                  | 1,642                 | -                       | 967                    | 967                   |
| 24 Kings.....                   | -                       | 997                    | 997                   | -                       | 598                    | 598                   | -                       | 20                     | 20                    |
| 25 New Brunswick—Totals.....    | 35,685                  | 101,088                | 136,773               | -                       | 33,834                 | 33,834                | -                       | 45,759                 | 45,759                |
| 26 Charlotte.....               | -                       | 18,171                 | 18,171                | -                       | 31,435                 | 31,435                | -                       | 31,596                 | 31,596                |
| 27 St. John.....                | -                       | 1,150                  | 1,150                 | -                       | 1,300                  | 1,300                 | -                       | 5,200                  | 5,200                 |
| 28 Albert.....                  | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     |
| 29 Westmorland.....             | -                       | 10                     | 10                    | -                       | -                      | -                     | -                       | -                      | -                     |
| 30 Kent.....                    | 3,030                   | 900                    | 3,930                 | -                       | -                      | -                     | -                       | 7,641                  | 7,641                 |
| 31 Northumberland.....          | 2,625                   | 652                    | 3,277                 | -                       | -                      | -                     | -                       | -                      | -                     |
| 32 Gloucester.....              | 30,030                  | 79,335                 | 109,365               | -                       | 820                    | 820                   | -                       | 1,250                  | 1,250                 |
| 33 Restigouche.....             | -                       | 870                    | 870                   | -                       | 279                    | 279                   | -                       | 72                     | 72                    |
| 34 Quebec—Totals.....           | -                       | 460,573                | 460,573               | -                       | 2,500                  | 2,500                 | -                       | 830                    | 830                   |
| 35 Bonaventure.....             | -                       | 59,503                 | 59,503                | -                       | 2,500                  | 2,500                 | -                       | 830                    | 830                   |
| 36 Gaspé.....                   | -                       | 221,117                | 221,117               | -                       | -                      | -                     | -                       | -                      | -                     |
| 37 Magdalen Islands.....        | -                       | 38,894                 | 38,894                | -                       | -                      | -                     | -                       | -                      | -                     |
| 38 Saguenay.....                | -                       | 138,958                | 138,958               | -                       | -                      | -                     | -                       | -                      | -                     |
| 39 Matane.....                  | -                       | 901                    | 901                   | -                       | -                      | -                     | -                       | -                      | -                     |
| 40 Rimouski.....                | -                       | 1,200                  | 1,200                 | -                       | -                      | -                     | -                       | -                      | -                     |
| 41 British Columbia—Totals..... | 143                     | 22                     | 165                   | -                       | -                      | -                     | -                       | 24                     | 24                    |
| 42 District No. 1.....          | -                       | 19                     | 19                    | -                       | -                      | -                     | -                       | 5                      | 5                     |
| 43 District No. 2.....          | 143                     | -                      | 143                   | -                       | -                      | -                     | -                       | -                      | -                     |
| 44 District No. 3.....          | -                       | 3                      | 3                     | -                       | -                      | -                     | -                       | 19                     | 19                    |



## 15. Proportion of Catch of Sea Fish taken Offshore (by steam trawlers and vessels of 40 tons and over, fishing on offshore grounds), 1927—con.

| Pollock                 |                        |                       | Halibut                 |                        |                       | Flounders, etc.         |                        |                       | Skate                   |                        |                       |    |
|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|----|
| Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught |    |
| cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  |    |
| 8,407                   | 26,643                 | 35,050                | 274,007                 | 55,025                 | 329,032               | 9,980                   | 2,876                  | 12,856                | 7,065                   | 1,240                  | 8,305                 | 1  |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 2  |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 3  |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 4  |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 5  |
| 8,407                   | 18,950                 | 27,357                | 17,577                  | 9,974                  | 27,551                | 7,865                   | 330                    | 8,195                 | 7,045                   | -                      | 7,045                 | 6  |
| -                       | 67                     | 67                    | -                       | 10                     | 10                    | -                       | -                      | -                     | -                       | -                      | -                     | 7  |
| -                       | -                      | -                     | 787                     | 3,263                  | 4,050                 | -                       | -                      | -                     | -                       | -                      | -                     | 8  |
| -                       | -                      | -                     | -                       | 362                    | 362                   | -                       | -                      | -                     | -                       | -                      | -                     | 9  |
| 306                     | 150                    | 456                   | 289                     | 61                     | 350                   | 1,846                   | -                      | 1,846                 | 34                      | -                      | 34                    | 10 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 11 |
| -                       | -                      | -                     | -                       | 2                      | 2                     | -                       | -                      | -                     | -                       | -                      | -                     | 12 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | 20                     | 20                    | -                       | -                      | -                     | 13 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | 240                    | 240                   | -                       | -                      | -                     | 14 |
| 799                     | 1,820                  | 2,619                 | 2,369                   | 249                    | 2,618                 | -                       | -                      | -                     | 540                     | -                      | 540                   | 15 |
| 4,600                   | 961                    | 5,561                 | 3,385                   | 1,235                  | 4,620                 | 6,012                   | 50                     | 6,062                 | 6,471                   | -                      | 6,471                 | 16 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | 4                      | 4                     | -                       | -                      | -                     | 17 |
| 1,600                   | 865                    | 2,465                 | 3,416                   | 490                    | 3,906                 | 5                       | -                      | 5                     | -                       | -                      | -                     | 18 |
| -                       | 696                    | 696                   | -                       | 2,373                  | 2,373                 | -                       | -                      | -                     | -                       | -                      | -                     | 19 |
| -                       | 426                    | 426                   | 616                     | 746                    | 1,362                 | -                       | -                      | -                     | -                       | -                      | -                     | 20 |
| 1,102                   | 1,854                  | 2,956                 | 6,715                   | 684                    | 7,399                 | 2                       | -                      | 2                     | -                       | -                      | -                     | 21 |
| -                       | 10,084                 | 10,084                | -                       | 401                    | 401                   | -                       | 16                     | 16                    | -                       | -                      | -                     | 22 |
| -                       | 1,012                  | 1,012                 | -                       | 64                     | 64                    | -                       | -                      | -                     | -                       | -                      | -                     | 23 |
| -                       | 1,015                  | 1,015                 | -                       | 34                     | 34                    | -                       | -                      | -                     | -                       | -                      | -                     | 24 |
| -                       | 7,693                  | 7,693                 | -                       | 101                    | 101                   | -                       | 1,188                  | 1,188                 | -                       | 157                    | 157                   | 25 |
| -                       | 7,693                  | 7,693                 | -                       | 101                    | 101                   | -                       | 1,133                  | 1,133                 | -                       | 157                    | 157                   | 26 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 27 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 28 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 29 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | 55                     | 55                    | -                       | -                      | -                     | 30 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 31 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 32 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 33 |
| -                       | -                      | -                     | -                       | 848                    | 848                   | -                       | -                      | -                     | -                       | -                      | -                     | 34 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 35 |
| -                       | -                      | -                     | -                       | 78                     | 78                    | -                       | -                      | -                     | -                       | -                      | -                     | 36 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 37 |
| -                       | -                      | -                     | -                       | 760                    | 760                   | -                       | -                      | -                     | -                       | -                      | -                     | 38 |
| -                       | -                      | -                     | -                       | 10                     | 10                    | -                       | -                      | -                     | -                       | -                      | -                     | 39 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 40 |
| -                       | -                      | -                     | 256,430                 | 44,102                 | 300,532               | 2,115                   | 1,358                  | 3,473                 | 20                      | 1,083                  | 1,103                 | 41 |
| -                       | -                      | -                     | -                       | 35,572                 | 35,572                | -                       | 889                    | 889                   | -                       | 929                    | 929                   | 42 |
| -                       | -                      | -                     | 256,430                 | -                      | 256,430               | 2,115                   | -                      | 2,115                 | 20                      | -                      | 20                    | 43 |
| -                       | -                      | -                     | -                       | 8,530                  | 8,530                 | -                       | 469                    | 469                   | -                       | 154                    | 154                   | 44 |

15. Proportion of Catch of Sea Fish taken Offshore (by steam-trawlers and vessels of 40 tons and over, fishing on offshore grounds), 1927—con.

| Province and County or District    | Soles                   |                        |                       | Herring                 |                        |                       | Mackerel                |                        |                       |
|------------------------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|
|                                    | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught |
|                                    | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  |
| 1 Canada—Totals.....               | 16,298                  | 8,777                  | 25,075                | 8,870                   | 2,652,042              | 2,660,912             | 2,765                   | 156,032                | 158,797               |
| 2 Prince Edward Island—Totals..... | -                       | -                      | -                     | -                       | 51,834                 | 51,834                | -                       | 6,455                  | 6,455                 |
| 3 Kings.....                       | -                       | -                      | -                     | -                       | 16,468                 | 16,468                | -                       | 958                    | 958                   |
| 4 Queens.....                      | -                       | -                      | -                     | -                       | 8,178                  | 8,178                 | -                       | 4,380                  | 4,380                 |
| 5 Prince.....                      | -                       | -                      | -                     | -                       | 27,188                 | 27,188                | -                       | 1,117                  | 1,117                 |
| 6 Nova Scotia—Totals.....          | 12,437                  | -                      | 12,437                | -                       | 214,560                | 214,560               | -                       | 72,306                 | 72,306                |
| 7 Richmond.....                    | -                       | -                      | -                     | -                       | 7,721                  | 7,721                 | -                       | 15,211                 | 15,211                |
| 8 Cape Breton.....                 | -                       | -                      | -                     | -                       | 9,821                  | 9,821                 | -                       | 6,272                  | 6,272                 |
| 9 Victoria.....                    | -                       | -                      | -                     | -                       | 3,569                  | 3,569                 | -                       | 2,784                  | 2,784                 |
| 10 Inverness.....                  | -                       | -                      | -                     | -                       | 5,493                  | 5,493                 | -                       | 5,565                  | 5,565                 |
| 11 Cumberland.....                 | -                       | -                      | -                     | -                       | 2,875                  | 2,875                 | -                       | 85                     | 85                    |
| 12 Colchester.....                 | -                       | -                      | -                     | -                       | 96                     | 96                    | -                       | -                      | -                     |
| 13 Pictou.....                     | -                       | -                      | -                     | -                       | 1,245                  | 1,245                 | -                       | 307                    | 307                   |
| 14 Antigonish.....                 | -                       | -                      | -                     | -                       | 6,593                  | 6,593                 | -                       | 223                    | 223                   |
| 15 Guysborough.....                | 2,301                   | -                      | 2,301                 | -                       | 20,733                 | 20,733                | -                       | 22,762                 | 22,762                |
| 16 Halifax.....                    | 10,136                  | -                      | 10,136                | -                       | 23,007                 | 23,007                | -                       | 10,626                 | 10,626                |
| 17 Hants.....                      | -                       | -                      | -                     | -                       | 60                     | 60                    | -                       | -                      | -                     |
| 18 Lunenburg.....                  | -                       | -                      | -                     | -                       | 23,121                 | 23,121                | -                       | 4,529                  | 4,529                 |
| 19 Queens.....                     | -                       | -                      | -                     | -                       | 11,377                 | 11,377                | -                       | 2,307                  | 2,307                 |
| 20 Shelburne.....                  | -                       | -                      | -                     | -                       | 24,150                 | 24,150                | -                       | 232                    | 232                   |
| 21 Yarmouth.....                   | -                       | -                      | -                     | -                       | 26,932                 | 26,932                | -                       | 1,267                  | 1,267                 |
| 22 Digby.....                      | -                       | -                      | -                     | -                       | 20,030                 | 20,030                | -                       | 7                      | 7                     |
| 23 Annapolis.....                  | -                       | -                      | -                     | -                       | 23,221                 | 23,221                | -                       | 17                     | 17                    |
| 24 Kings.....                      | -                       | -                      | -                     | -                       | 4,516                  | 4,516                 | -                       | 112                    | 112                   |
| 25 New Brunswick—Totals.....       | -                       | -                      | -                     | 8,870                   | 403,963                | 412,833               | 2,765                   | 6,506                  | 9,271                 |
| 26 Charlotte.....                  | -                       | -                      | -                     | -                       | 155,142                | 155,142               | -                       | -                      | -                     |
| 27 St. John.....                   | -                       | -                      | -                     | -                       | 50                     | 50                    | -                       | -                      | -                     |
| 28 Albert.....                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     |
| 29 Westmorland.....                | -                       | -                      | -                     | -                       | 64,532                 | 64,532                | -                       | 152                    | 152                   |
| 30 Kent.....                       | -                       | -                      | -                     | 3,430                   | 34,649                 | 38,079                | 305                     | 934                    | 1,239                 |
| 31 Northumberland.....             | -                       | -                      | -                     | 5,440                   | 3,000                  | 8,440                 | 2,460                   | 23                     | 2,483                 |
| 32 Gloucester.....                 | -                       | -                      | -                     | -                       | 144,786                | 144,786               | -                       | 4,157                  | 4,157                 |
| 33 Restigouche.....                | -                       | -                      | -                     | -                       | 1,804                  | 1,804                 | -                       | 1,240                  | 1,240                 |
| 34 Quebec—Totals.....              | -                       | -                      | -                     | -                       | 257,439                | 257,439               | -                       | 70,765                 | 70,765                |
| 35 Bonaventure.....                | -                       | -                      | -                     | -                       | 71,726                 | 71,726                | -                       | 6,825                  | 6,825                 |
| 36 Gaspé.....                      | -                       | -                      | -                     | -                       | 68,459                 | 68,459                | -                       | -                      | -                     |
| 37 Magdalen Islands.....           | -                       | -                      | -                     | -                       | 110,217                | 110,217               | -                       | 63,885                 | 63,885                |
| 38 Saguenay.....                   | -                       | -                      | -                     | -                       | 1,365                  | 1,365                 | -                       | 55                     | 55                    |
| 39 Matane.....                     | -                       | -                      | -                     | -                       | 3,272                  | 3,272                 | -                       | -                      | -                     |
| 40 Rimouski.....                   | -                       | -                      | -                     | -                       | 2,400                  | 2,400                 | -                       | -                      | -                     |
| 41 British Columbia—Totals.....    | 3,861                   | 8,777                  | 12,638                | -                       | 1,724,246              | 1,724,246             | -                       | -                      | -                     |
| 42 District No. 1.....             | -                       | 7,824                  | 7,824                 | -                       | 68,516                 | 68,516                | -                       | -                      | -                     |
| 43 District No. 2.....             | 3,861                   | -                      | 3,861                 | -                       | 87,329                 | 87,329                | -                       | -                      | -                     |
| 44 District No. 3.....             | -                       | 953                    | 953                   | -                       | 1,568,401              | 1,568,401             | -                       | -                      | -                     |

15. Proportion of Catch of Sea Fish taken Offshore (by steam-trawlers and vessels of 40 tons and over, fishing on offshore grounds), 1927—con.

| Salmon                  |                        |                       | Catfish                 |                        |                       | Black Cod               |                        |                       | Ling Cod                |                        |                       |    |
|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|----|
| Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught |    |
| cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  |    |
| 6,685                   | 1,532,823              | 1,539,508             | 1,105                   | -                      | 1,105                 | 7,936                   | 8,494                  | 16,430                | 200                     | 49,716                 | 49,916                | 1  |
| -                       | 124                    | 124                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 2  |
| -                       | 101                    | 101                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 3  |
| -                       | 23                     | 23                    | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 4  |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 5  |
| -                       | 12,819                 | 12,819                | 1,105                   | -                      | 1,105                 | -                       | -                      | -                     | -                       | -                      | -                     | 6  |
| -                       | 298                    | 298                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 7  |
| -                       | 1,487                  | 1,487                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 8  |
| -                       | 716                    | 716                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 9  |
| -                       | 2,396                  | 2,396                 | 2                       | -                      | 2                     | -                       | -                      | -                     | -                       | -                      | -                     | 10 |
| -                       | 60                     | 60                    | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 11 |
| -                       | 285                    | 285                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 12 |
| -                       | 798                    | 798                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 13 |
| -                       | 2,523                  | 2,523                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 14 |
| -                       | 1,001                  | 1,001                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 15 |
| -                       | 1,133                  | 1,133                 | 1,103                   | -                      | 1,103                 | -                       | -                      | -                     | -                       | -                      | -                     | 16 |
| -                       | 86                     | 86                    | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 17 |
| -                       | 387                    | 387                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 18 |
| -                       | 618                    | 618                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 19 |
| -                       | 22                     | 22                    | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 20 |
| -                       | 189                    | 189                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 21 |
| -                       | 17                     | 17                    | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 22 |
| -                       | 292                    | 292                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 23 |
| -                       | 511                    | 511                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 24 |
| 6,685                   | 15,401                 | 22,086                | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 25 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 26 |
| -                       | 3,450                  | 3,450                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 27 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 28 |
| -                       | 12                     | 12                    | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 29 |
| 250                     | 1,036                  | 1,286                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 30 |
| 6,435                   | 1,862                  | 8,297                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 31 |
| -                       | 4,353                  | 4,353                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 32 |
| -                       | 4,688                  | 4,688                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 33 |
| -                       | 14,084                 | 14,084                | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 34 |
| -                       | 5,938                  | 5,938                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 35 |
| -                       | 1,747                  | 1,747                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 36 |
| -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 37 |
| -                       | 4,889                  | 4,889                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 38 |
| -                       | 1,210                  | 1,210                 | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 39 |
| -                       | 300                    | 300                   | -                       | -                      | -                     | -                       | -                      | -                     | -                       | -                      | -                     | 40 |
| -                       | 1,490,395              | 1,490,395             | -                       | -                      | -                     | 7,936                   | 8,494                  | 16,430                | 200                     | 49,716                 | 49,916                | 41 |
| -                       | 352,890                | 352,890               | -                       | -                      | -                     | -                       | 6,257                  | 6,257                 | -                       | 26,143                 | 26,143                | 42 |
| -                       | 644,053                | 644,053               | -                       | -                      | -                     | 7,936                   | -                      | 7,936                 | 200                     | -                      | 200                   | 43 |
| -                       | 493,452                | 493,452               | -                       | -                      | -                     | -                       | 2,237                  | 2,237                 | -                       | 23,573                 | 23,573                | 44 |

15. Proportion of Catch of Sea Fish taken Offshore (by steam trawlers and vessels of 40 tons or over, fishing on offshore grounds), 1927—con.

| Province and County or District    | Red Cod                 |                        |                       | Grayfish                |                        |                       |
|------------------------------------|-------------------------|------------------------|-----------------------|-------------------------|------------------------|-----------------------|
|                                    | Quantity taken offshore | Quantity taken inshore | Total quantity caught | Quantity taken offshore | Quantity taken inshore | Total quantity caught |
|                                    | cwt.                    | cwt.                   | cwt.                  | cwt.                    | cwt.                   | cwt.                  |
| 1 Canada—Totals.....               | 878                     | 3,558                  | 4,436                 | 62,931                  | 113,000                | 175,931               |
| 2 Prince Edward Island—Totals..... | -                       | -                      | -                     | -                       | -                      | -                     |
| 3 Kings.....                       | -                       | -                      | -                     | -                       | -                      | -                     |
| 4 Queens.....                      | -                       | -                      | -                     | -                       | -                      | -                     |
| 5 Prince.....                      | -                       | -                      | -                     | -                       | -                      | -                     |
| 6 Nova Scotia—Totals.....          | -                       | -                      | -                     | 62,931                  | 300                    | 63,231                |
| 7 Richmond.....                    | -                       | -                      | -                     | -                       | -                      | -                     |
| 8 Cape Breton.....                 | -                       | -                      | -                     | -                       | -                      | -                     |
| 9 Victoria.....                    | -                       | -                      | -                     | -                       | -                      | -                     |
| 10 Inverness.....                  | -                       | -                      | -                     | -                       | -                      | -                     |
| 11 Cumberland.....                 | -                       | -                      | -                     | -                       | -                      | -                     |
| 12 Colchester.....                 | -                       | -                      | -                     | -                       | -                      | -                     |
| 13 Pictou.....                     | -                       | -                      | -                     | -                       | -                      | -                     |
| 14 Antigonish.....                 | -                       | -                      | -                     | -                       | 300                    | 300                   |
| 15 Guysborough.....                | -                       | -                      | -                     | -                       | -                      | -                     |
| 16 Halifax.....                    | -                       | -                      | -                     | 62,931                  | -                      | 62,931                |
| 17 Hants.....                      | -                       | -                      | -                     | -                       | -                      | -                     |
| 18 Lunenburg.....                  | -                       | -                      | -                     | -                       | -                      | -                     |
| 19 Queens.....                     | -                       | -                      | -                     | -                       | -                      | -                     |
| 20 Shelburne.....                  | -                       | -                      | -                     | -                       | -                      | -                     |
| 21 Yarmouth.....                   | -                       | -                      | -                     | -                       | -                      | -                     |
| 22 Digby.....                      | -                       | -                      | -                     | -                       | -                      | -                     |
| 23 Annapolis.....                  | -                       | -                      | -                     | -                       | -                      | -                     |
| 24 Kings.....                      | -                       | -                      | -                     | -                       | -                      | -                     |
| 25 New Brunswick—Totals.....       | -                       | -                      | -                     | -                       | -                      | -                     |
| 26 Charlotte.....                  | -                       | -                      | -                     | -                       | -                      | -                     |
| 27 St. John.....                   | -                       | -                      | -                     | -                       | -                      | -                     |
| 28 Albert.....                     | -                       | -                      | -                     | -                       | -                      | -                     |
| 29 Westmorland.....                | -                       | -                      | -                     | -                       | -                      | -                     |
| 30 Kent.....                       | -                       | -                      | -                     | -                       | -                      | -                     |
| 31 Northumberland.....             | -                       | -                      | -                     | -                       | -                      | -                     |
| 32 Gloucester.....                 | -                       | -                      | -                     | -                       | -                      | -                     |
| 33 Restigouche.....                | -                       | -                      | -                     | -                       | -                      | -                     |
| 34 Quebec—Totals.....              | -                       | -                      | -                     | -                       | -                      | -                     |
| 35 Bonaventure.....                | -                       | -                      | -                     | -                       | -                      | -                     |
| 36 Gaspé.....                      | -                       | -                      | -                     | -                       | -                      | -                     |
| 37 Magdalen Islands.....           | -                       | -                      | -                     | -                       | -                      | -                     |
| 38 Saguenay.....                   | -                       | -                      | -                     | -                       | -                      | -                     |
| 39 Matane.....                     | -                       | -                      | -                     | -                       | -                      | -                     |
| 40 Rimouski.....                   | -                       | -                      | -                     | -                       | -                      | -                     |
| 41 British Columbia—Totals.....    | 878                     | 3,558                  | 4,436                 | -                       | 112,700                | 112,700               |
| 42 District No. 1.....             | -                       | 1,213                  | 1,213                 | -                       | -                      | -                     |
| 43 District No. 2.....             | 878                     | -                      | 878                   | -                       | -                      | -                     |
| 44 District No. 3.....             | -                       | 2,345                  | 2,345                 | -                       | 112,700                | 112,700               |

15. Proportion of Catch of Sea Fish taken Offshore (by steam trawlers and vessels of 40 tons and over, fishing on offshore grounds), 1927—concluded

| Swordfish               |                        |                       | Whales                |                      |                     | All other kinds of fish | Total <sup>1</sup>      |                        |                       |
|-------------------------|------------------------|-----------------------|-----------------------|----------------------|---------------------|-------------------------|-------------------------|------------------------|-----------------------|
| Quantity taken offshore | Quantity taken inshore | Total quantity caught | Number taken offshore | Number taken inshore | Total number caught | Quantity taken inshore  | Quantity taken offshore | Quantity taken inshore | Total quantity caught |
| cwt.                    | cwt.                   | cwt.                  | no.                   | no.                  | no.                 | cwt.                    | cwt.                    | cwt.                   | cwt.                  |
| 55                      | 7,244                  | 7,299                 | 258                   | -                    | 258                 | 2,469,538               | 1,543,783               | 8,528,289              | 10,072,072            |
| -                       | -                      | -                     | -                     | -                    | -                   | 90,934                  | -                       | 211,260                | 211,260               |
| -                       | -                      | -                     | -                     | -                    | -                   | 28,025                  | -                       | 56,373                 | 56,373                |
| -                       | -                      | -                     | -                     | -                    | -                   | 30,283                  | -                       | 79,755                 | 79,755                |
| -                       | -                      | -                     | -                     | -                    | -                   | 32,626                  | -                       | 75,132                 | 75,132                |
| 55                      | 7,244                  | 7,299                 | -                     | -                    | -                   | 306,689                 | 1,218,195               | 1,377,910              | 2,596,105             |
| -                       | 156                    | 156                   | -                     | -                    | -                   | 9,541                   | -                       | 56,334                 | 56,334                |
| -                       | 5,159                  | 5,159                 | -                     | -                    | -                   | 12,594                  | 787                     | 88,826                 | 89,613                |
| -                       | 61                     | 61                    | -                     | -                    | -                   | 8,387                   | -                       | 110,955                | 110,955               |
| -                       | -                      | -                     | -                     | -                    | -                   | 18,610                  | 21,014                  | 56,185                 | 77,199                |
| -                       | -                      | -                     | -                     | -                    | -                   | 7,692                   | -                       | 10,803                 | 10,803                |
| -                       | -                      | -                     | -                     | -                    | -                   | 1,017                   | -                       | 1,462                  | 1,462                 |
| -                       | -                      | -                     | -                     | -                    | -                   | 16,106                  | -                       | 18,072                 | 18,072                |
| -                       | -                      | -                     | -                     | -                    | -                   | 12,506                  | -                       | 27,305                 | 27,305                |
| -                       | 1,398                  | 1,398                 | -                     | -                    | -                   | 22,652                  | 89,651                  | 150,010                | 239,661               |
| -                       | 317                    | 317                   | -                     | -                    | -                   | 18,887                  | 285,566                 | 106,861                | 392,427               |
| -                       | -                      | -                     | -                     | -                    | -                   | 1,270                   | -                       | 1,442                  | 1,442                 |
| -                       | -                      | -                     | -                     | -                    | -                   | 16,001                  | 777,161                 | 94,324                 | 871,485               |
| -                       | 91                     | 91                    | -                     | -                    | -                   | 7,751                   | -                       | 65,688                 | 65,688                |
| -                       | 62                     | 62                    | -                     | -                    | -                   | 23,727                  | 7,146                   | 138,363                | 145,509               |
| 55                      | -                      | 55                    | -                     | -                    | -                   | 41,125                  | 36,870                  | 94,757                 | 131,627               |
| -                       | -                      | -                     | -                     | -                    | -                   | 58,366                  | -                       | 286,332                | 286,332               |
| -                       | -                      | -                     | -                     | -                    | -                   | 28,842                  | -                       | 59,853                 | 59,853                |
| -                       | -                      | -                     | -                     | -                    | -                   | 1,635                   | -                       | 9,438                  | 9,438                 |
| -                       | -                      | -                     | -                     | -                    | -                   | 606,122                 | 54,005                  | 1,221,812              | 1,275,817             |
| -                       | -                      | -                     | -                     | -                    | -                   | 386,264                 | -                       | 631,692                | 631,692               |
| -                       | -                      | -                     | -                     | -                    | -                   | 47,275                  | -                       | 58,425                 | 58,425                |
| -                       | -                      | -                     | -                     | -                    | -                   | 19                      | -                       | 19                     | 19                    |
| -                       | -                      | -                     | -                     | -                    | -                   | 17,085                  | -                       | 81,791                 | 81,791                |
| -                       | -                      | -                     | -                     | -                    | -                   | 37,919                  | 7,015                   | 83,134                 | 90,149                |
| -                       | -                      | -                     | -                     | -                    | -                   | 69,301                  | 16,960                  | 74,838                 | 91,798                |
| -                       | -                      | -                     | -                     | -                    | -                   | 35,326                  | 30,030                  | 270,227                | 300,257               |
| -                       | -                      | -                     | -                     | -                    | -                   | 12,733                  | -                       | 21,686                 | 21,686                |
| -                       | -                      | -                     | -                     | -                    | -                   | 50,027                  | -                       | 857,066                | 857,066               |
| -                       | -                      | -                     | -                     | -                    | -                   | 9,271                   | -                       | 156,593                | 156,593               |
| -                       | -                      | -                     | -                     | -                    | -                   | 3,299                   | -                       | 294,700                | 294,700               |
| -                       | -                      | -                     | -                     | -                    | -                   | 23,823                  | -                       | 236,819                | 236,819               |
| -                       | -                      | -                     | -                     | -                    | -                   | 4,133                   | -                       | 150,160                | 150,160               |
| -                       | -                      | -                     | -                     | -                    | -                   | 615                     | -                       | 6,008                  | 6,008                 |
| -                       | -                      | -                     | -                     | -                    | -                   | 8,886                   | -                       | 12,786                 | 12,786                |
| -                       | -                      | -                     | 258                   | -                    | 258                 | 1,415,766               | 271,583                 | 4,860,241              | 5,131,824             |
| -                       | -                      | -                     | -                     | -                    | -                   | 15,143                  | -                       | 515,400                | 515,400               |
| -                       | -                      | -                     | 258                   | -                    | 258                 | 12,931                  | 271,583                 | 744,313                | 1,015,896             |
| -                       | -                      | -                     | -                     | -                    | -                   | 1,387,692               | -                       | 3,600,528              | 3,600,528             |

<sup>1</sup>Exclusive of whales.

## 16. Summary by Provinces of Capital Equipment, 1927

| In Primary Operations                    | Prince Edward Island |         | Nova Scotia |           |
|------------------------------------------|----------------------|---------|-------------|-----------|
|                                          | No.                  | Value   | No.         | Value     |
|                                          |                      | \$      |             | \$        |
| 1 Steam trawlers.....                    | -                    | -       | 14          | 1,080,000 |
| 2 Steam vessels and tugs.....            | -                    | -       | 3           | 11,000    |
| 3 Sailing and gasoline vessels.....      | 8                    | 7,000   | 385         | 1,839,044 |
| 4 Sail and row boats.....                | 453                  | 5,170   | 4,178       | 105,851   |
| 5 Gasoline boats.....                    | 1,378                | 335,030 | 5,668       | 1,347,892 |
| 6 Carrying smacks.....                   | 13                   | 5,500   | 184         | 134,750   |
| 7 Gill nets, seines, trap nets, etc..... | 8,566                | 56,114  | 50,922      | 1,073,225 |
| 8 Pound nets.....                        | -                    | -       | -           | -         |
| 9 Hoop nets.....                         | -                    | -       | -           | -         |
| 10 Weirs.....                            | -                    | -       | 84          | 27,150    |
| 11 Tubs of trawl.....                    | 723                  | 14,460  | 12,370      | 184,637   |
| 12 Hand lines.....                       | 1,193                | 2,386   | 22,904      | 27,538    |
| 13 Lobster traps.....                    | 345,923              | 345,923 | 810,762     | 1,071,362 |
| 14 Eel traps.....                        | -                    | -       | -           | -         |
| 15 Sets of scallop rakes.....            | -                    | -       | 78          | 8,170     |
| 16 Fishing piers and wharves.....        | 29                   | 67,000  | 1,680       | 713,770   |
| 17 Freezers and ice houses.....          | 6                    | 11,800  | 317         | 131,681   |
| 18 Small fish and smoke houses.....      | 437                  | 16,450  | 4,323       | 426,790   |
| 19 Total value.....                      | -                    | 866,833 | -           | 8,162,860 |

| In Primary Operations                     | Ontario    |           | Manitoba |           |
|-------------------------------------------|------------|-----------|----------|-----------|
|                                           | No.        | Value     | No.      | Value     |
|                                           |            | \$        |          | \$        |
| 20 Steam trawlers.....                    | -          | -         | -        | -         |
| 21 Steam vessels and tugs.....            | 118        | 797,305   | 20       | 240,048   |
| 22 Sailing and gasoline vessels.....      | -          | -         | -        | -         |
| 23 Sail and row boats.....                | 1,040      | 55,867    | 953      | 54,665    |
| 24 Gasoline boats.....                    | 1,006      | 618,020   | 105      | 55,750    |
| 25 Carrying smacks and scows.....         | -          | -         | 2        | 5,000     |
| 26 Gill nets, seines, trap nets, etc..... | 17,198,376 | 837,524   | 52,270   | 483,558   |
| 27 Spears.....                            | 123        | 910       | -        | -         |
| 28 Tubs of trawl.....                     | -          | -         | -        | -         |
| 29 Pound nets.....                        | 1,224      | 528,422   | 16       | 3,200     |
| 30 Hoop nets.....                         | 959        | 33,764    | 13       | 150       |
| 31 Dip and roll nets.....                 | 47         | 651       | 10       | 40        |
| 32 Hand lines.....                        | 1,006      | 14,937    | 3        | 15        |
| 33 Crab traps.....                        | -          | -         | -        | -         |
| 34 Fish wheels.....                       | -          | -         | -        | -         |
| 35 Oyster plant and equipment.....        | -          | -         | -        | -         |
| 36 Fishing piers and wharves.....         | 346        | 98,155    | 43       | 54,093    |
| 37 Freezers and ice houses.....           | 486        | 271,635   | 85       | 106,430   |
| 38 Small fish and smoke houses.....       | -          | -         | 72       | 29,350    |
| 39 Total value.....                       | -          | 3,257,190 | -        | 1,032,299 |

| In Fish Canning and Curing               | Prince Edward Island |         |
|------------------------------------------|----------------------|---------|
|                                          | No.                  | Value   |
|                                          |                      | \$      |
| 40 Lobster canneries.....                | 133                  | 239,140 |
| 41 Salmon canneries.....                 | -                    | -       |
| 42 Clam canneries.....                   | 2                    | -       |
| 43 Sardine and other fish canneries..... | 1                    | 11,500  |
| 44 Fish curing establishments.....       | 1                    | -       |
| 45 Reduction plants.....                 | -                    | -       |
| 46 Total.....                            | 137                  | 250,640 |

For Ontario, gill nets and seines are shown in yards.

## 17. Summary by Provinces of Number of Employees, 1927

|                                                                    | Prince Edward Island | Nova Scotia | New Brunswick |        |
|--------------------------------------------------------------------|----------------------|-------------|---------------|--------|
|                                                                    | no.                  | no.         | Sea           | Inland |
|                                                                    |                      |             | no.           | no.    |
| 47 Men employed on vessels, boats, etc.....                        | 2,675                | 16,131      | 9,701         | 497    |
| 48 Persons employed in fish canning and curing establishments..... | 1,461                | 3,616       | 2,146         | -      |
| 49 Total.....                                                      | 4,136                | 19,747      | 11,847        | 497    |

## 16. Summary by Provinces of Capital Equipment, 1927

| New Brunswick |           |                  |        |                 |           | Quebec        |           |                  |         |                 |           |
|---------------|-----------|------------------|--------|-----------------|-----------|---------------|-----------|------------------|---------|-----------------|-----------|
| Sea Fisheries |           | Inland Fisheries |        | Total Fisheries |           | Sea Fisheries |           | Inland Fisheries |         | Total Fisheries |           |
| No.           | Value     | No.              | Value  | No.             | Value     | No.           | Value     | No.              | Value   | No.             | Value     |
| \$            | \$        | \$               | \$     | \$              | \$        | \$            | \$        | \$               | \$      | \$              | \$        |
| -             | -         | -                | -      | -               | -         | -             | -         | -                | -       | -               | -         |
| -             | -         | -                | -      | -               | -         | -             | -         | -                | -       | -               | -         |
| 304           | 206,950   | -                | -      | 304             | 206,950   | 115           | 64,100    | -                | -       | 115             | 64,100    |
| 4,670         | 91,620    | 339              | 3,130  | 5,009           | 94,750    | 1,576         | 58,640    | 1,498            | 49,888  | 3,074           | 108,508   |
| 2,422         | 703,265   | 2                | 1,000  | 2,424           | 704,265   | 2,289         | 632,550   | 222              | 80,990  | 2,511           | 713,540   |
| 43            | 47,743    | -                | -      | 43              | 47,743    | 6             | 2,800     | -                | -       | 6               | 2,800     |
| 26,393        | 965,804   | 745              | 7,949  | 27,048          | 973,753   | 32,289        | 504,045   | 780              | 81,057  | 33,069          | 585,102   |
| -             | -         | -                | -      | -               | -         | -             | -         | -                | -       | -               | -         |
| -             | -         | -                | -      | -               | -         | -             | -         | -                | -       | -               | -         |
| 371           | 559,365   | -                | -      | 371             | 559,365   | -             | -         | 1,442            | 124,487 | 1,442           | 124,487   |
| 2,286         | 32,480    | -                | -      | 2,286           | 32,480    | 1,327         | 25,940    | -                | -       | 1,327           | 25,940    |
| 10,586        | 10,380    | -                | -      | 10,586          | 10,380    | 23,581        | 24,129    | 1,657            | 5,140   | 25,238          | 29,269    |
| 374,507       | 437,116   | -                | -      | 374,507         | 437,116   | 128,592       | 141,519   | -                | -       | 128,592         | 141,519   |
| 109           | 400       | -                | -      | 109             | 400       | -             | -         | -                | -       | -               | -         |
| -             | -         | -                | -      | -               | -         | -             | -         | -                | -       | -               | -         |
| 403           | 132,150   | -                | -      | 403             | 132,150   | 386           | 31,700    | -                | -       | 386             | 31,700    |
| 101           | 248,500   | -                | -      | 101             | 248,500   | 140           | 45,620    | 241              | 34,787  | 381             | 80,407    |
| 1,327         | 452,360   | -                | -      | 1,327           | 452,360   | 1,196         | 72,925    | 222              | 11,650  | 1,418           | 84,575    |
| -             | 3,888,133 | -                | 12,079 | -               | 3,900,212 | -             | 1,603,968 | -                | 387,979 | -               | 1,991,947 |

| Saskatchewan |        | Alberta |         | British Columbia |            | Yukon |       |
|--------------|--------|---------|---------|------------------|------------|-------|-------|
| No.          | Value  | No.     | Value   | No.              | Value      | No.   | Value |
| \$           | \$     | \$      | \$      | \$               | \$         | \$    | \$    |
| -            | -      | -       | -       | 3                | 180,000    | -     | -     |
| -            | -      | -       | -       | 8                | 167,000    | -     | -     |
| -            | -      | -       | -       | 749              | 5,900,585  | -     | -     |
| 67           | 1,720  | 106     | 14,880  | 3,692            | 418,668    | 17    | 350   |
| 27           | 7,850  | 135     | 81,170  | 4,186            | 2,415,320  | 7     | 2,645 |
| -            | -      | -       | -       | 418              | 375,500    | -     | -     |
| 4,204        | 74,837 | 5,683   | 118,805 | 6,519            | 2,579,951  | 60    | 2,209 |
| -            | -      | -       | -       | -                | -          | -     | -     |
| -            | -      | -       | -       | 1,423            | 49,709     | -     | -     |
| 24           | 240    | -       | -       | -                | -          | -     | -     |
| -            | -      | -       | -       | -                | -          | -     | -     |
| 2            | 20     | -       | -       | 9,313            | 68,277     | -     | -     |
| -            | -      | -       | -       | 6,045            | 22,735     | -     | -     |
| -            | -      | -       | -       | -                | -          | 7     | 1,050 |
| -            | -      | -       | -       | 1                | 26,000     | -     | -     |
| 30           | 2,650  | 59      | 12,375  | 13               | 10,200     | -     | -     |
| 38           | 4,250  | 103     | 47,290  | 9                | 13,300     | 2     | 200   |
| 6            | 400    | 55      | 3,970   | 30               | 37,300     | 1     | 100   |
| -            | 91,967 | -       | 278,490 | -                | 12,263,636 | -     | 6,545 |

| Nova Scotia |           | New Brunswick |           | Quebec |         | British Columbia |            |
|-------------|-----------|---------------|-----------|--------|---------|------------------|------------|
| No.         | Value     | No.           | Value     | No.    | Value   | No.              | Value      |
| \$          | \$        | \$            | \$        | \$     | \$      | \$               | \$         |
| 124         | 690,613   | 124           | 390,126   | 57     | 99,725  | -                | -          |
| -           | -         | -             | -         | 4      | 14,637  | 77               | 11,580,817 |
| 6           | 31,210    | 7             | -         | -      | -       | -                | -          |
| 3           | 358,303   | 2             | 1,074,078 | -      | -       | -                | -          |
| 85          | 2,070,898 | 34            | 145,472   | 29     | 301,965 | 50               | 4,481,648  |
| 7           | 155,365   | 5             | 17,100    | -      | -       | 22               | 2,791,885  |
| 225         | 3,306,389 | 172           | 1,626,776 | 90     | 416,327 | 149              | 18,854,356 |

## 17. Summary by Provinces of Number of Employees, 1927

| Quebec |        | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | Yukon |
|--------|--------|---------|----------|--------------|---------|------------------|-------|
| Sea    | Inland |         |          |              |         |                  |       |
| no.    | no.    | no.     | no.      | no.          | no.     | no.              | no.   |
| 8,755  | 2,161  | 4,156   | 4,095    | 970          | 1,161   | 13,076           | 37    |
| 1,228  | -      | -       | -        | -            | -       | 8,246            | 48    |
| 9,983  | 2,161  | 4,156   | 4,095    | 970          | 1,161   | 21,322           | 37    |

### Fishing Bounty

Under the authority of "An Act to Encourage the Development of the Sea Fisheries and the Building of Fishing Vessels", the sum of \$160,000 is appropriated annually by the Governor in Council. It is distributed under the name of Fishing Bounty, by the Department of Marine and Fisheries amongst fishermen, and fishing vessel and boat owners on the Atlantic Coast under regulations made from time to time by the Governor in Council.

For the year 1927, payment was made on the following basis:—

To owners of vessels entitled to receive bounty—\$1 per registered ton; payment to the owner of any one vessel not to exceed \$80.

To vessel fishermen entitled to receive bounty—\$8 each.

To owners of boats measuring not less than 12 feet keel—\$1 per boat.

To boat fishermen entitled to receive bounty—\$6.60 each.

There were 9,609 bounty claims paid. In the preceding year there were 11,036 bounty claims paid.

The total amount paid in 1927 was \$158,375.80 allocated as follows:—

|                                     |               |
|-------------------------------------|---------------|
| To 543 vessels and their crews..... | \$ 44,462.50  |
| To 9,066 boats and their crews..... | \$ 113,913.30 |

### Imports and Exports

The value of fish and fish products exported from Canada during the calendar year 1927 was \$34,814,448, compared with \$37,089,545 in 1926. The principal items were canned salmon, dried cod, canned lobsters, dry-salted herring and fresh lobsters. The total value of the imports was \$3,768,901, compared with \$3,045,838 in the preceding year. The chief items of import were sardines and oysters.

### Historical Review

The five tables following will afford a review of the fishing industry of Canada for the past several years. In the case of production, returns are given by provinces year by year back to 1870. In the case of the number and value of vessels, boats, etc., the review extends to 1880, and in the case of the number of employees to 1895.



18. Historical Review—(a) Total Value of the Fisheries in the Respective Provinces of Canada, from 1870 to 1927

| Year      | Prince<br>Edward<br>Island | Nova<br>Scotia | New<br>Brunswick | Quebec    | Ontario   | British<br>Columbia | Manitoba,<br>Saskatche-<br>wan,<br>Alberta,<br>and Yukon | Total<br>for<br>Canada |
|-----------|----------------------------|----------------|------------------|-----------|-----------|---------------------|----------------------------------------------------------|------------------------|
|           | \$                         | \$             | \$               | \$        | \$        | \$                  | \$                                                       | \$                     |
| 1870..... | Not known                  | 4,019,425      | 1,131,433        | 1,161,551 | 264,982   | Not known           | Not known                                                | 6,577,391              |
| 1871..... | Not known                  | 5,101,030      | 1,185,033        | 1,093,612 | 193,524   | Not known           | Not known                                                | 7,573,199              |
| 1872..... | Not known                  | 6,016,835      | 1,965,459        | 1,320,189 | 267,633   | Not known           | Not known                                                | 9,570,116              |
| 1873..... | 207,595                    | 6,577,085      | 2,285,662        | 1,391,564 | 293,091   | Not known           | Not known                                                | 10,754,997             |
| 1874..... | 288,863                    | 6,652,362      | 2,685,794        | 1,608,660 | 446,267   | Not known           | Not known                                                | 11,681,886             |
| 1875..... | 298,927                    | 5,573,851      | 2,427,654        | 1,596,759 | 453,194   | Not known           | Not known                                                | 10,350,385             |
| 1876..... | 494,967                    | 6,029,050      | 1,953,389        | 2,097,668 | 437,229   | 104,697             | Not known                                                | 11,117,000             |
| 1877..... | 763,036                    | 5,527,858      | 2,133,237        | 2,560,147 | 438,223   | 583,433             | Not known                                                | 12,005,934             |
| 1878..... | 840,344                    | 6,131,600      | 2,305,790        | 2,664,055 | 348,122   | 925,767             | Not known                                                | 13,215,678             |
| 1879..... | 1,402,301                  | 5,752,937      | 2,554,722        | 2,820,395 | 367,133   | 631,766             | Not known                                                | 13,529,254             |
| 1880..... | 1,675,089                  | 6,291,061      | 2,744,447        | 2,631,556 | 444,491   | 713,335             | Not known                                                | 14,499,979             |
| 1881..... | 1,955,290                  | 6,214,782      | 2,930,904        | 2,751,902 | 509,903   | 1,454,321           | Not known                                                | 15,817,162             |
| 1882..... | 1,855,867                  | 7,131,418      | 3,192,339        | 1,976,516 | 825,457   | 1,842,675           | Not known                                                | 16,824,092             |
| 1883..... | 1,272,468                  | 7,689,374      | 3,185,674        | 2,138,997 | 1,027,033 | 1,644,646           | Not known                                                | 16,958,192             |
| 1884..... | 1,085,619                  | 8,763,779      | 3,730,454        | 1,694,561 | 1,133,724 | 1,358,267           | Not known                                                | 17,766,404             |
| 1885..... | 1,293,430                  | 8,283,922      | 4,005,431        | 1,719,460 | 1,342,692 | 1,078,038           | Not known                                                | 17,722,973             |
| 1886..... | 1,141,991                  | 8,415,362      | 4,180,227        | 1,741,382 | 1,435,998 | 1,577,348           | 186,980                                                  | 18,679,288             |
| 1887..... | 1,037,426                  | 8,379,782      | 3,559,507        | 1,773,567 | 1,531,850 | 1,974,887           | 129,084                                                  | 18,386,103             |
| 1888..... | 876,862                    | 7,817,030      | 2,941,863        | 1,860,012 | 1,839,869 | 1,902,195           | 180,677                                                  | 17,419,508             |
| 1889..... | 886,430                    | 6,346,722      | 3,067,039        | 1,876,194 | 1,963,123 | 3,348,067           | 167,679                                                  | 17,655,254             |
| 1890..... | 1,041,109                  | 6,636,444      | 2,899,055        | 1,615,119 | 2,009,637 | 3,481,432           | 232,104                                                  | 17,714,900             |
| 1891..... | 1,238,733                  | 7,011,300      | 3,571,050        | 2,008,678 | 1,806,389 | 3,008,755           | 332,969                                                  | 18,977,874             |
| 1892..... | 1,179,856                  | 6,340,724      | 3,203,922        | 2,236,732 | 2,042,198 | 2,849,483           | 1,088,254                                                | 18,941,169             |
| 1893..... | 1,133,368                  | 6,407,279      | 3,746,121        | 2,218,905 | 1,694,930 | 4,443,963           | 1,042,093                                                | 20,686,659             |
| 1894..... | 1,119,738                  | 6,547,387      | 4,351,526        | 2,303,386 | 1,659,968 | 3,950,478           | 787,087                                                  | 20,719,570             |
| 1895..... | 976,836                    | 6,213,131      | 4,403,158        | 1,867,920 | 1,584,473 | 4,401,354           | 752,466                                                  | 20,199,338             |
| 1896..... | 976,126                    | 6,070,895      | 4,799,433        | 2,025,754 | 1,605,674 | 4,183,999           | 745,543                                                  | 20,407,424             |
| 1897..... | 954,949                    | 8,080,346      | 3,934,135        | 1,737,011 | 1,289,822 | 6,138,865           | 638,416                                                  | 22,783,544             |
| 1898..... | 1,070,202                  | 7,226,034      | 3,849,357        | 1,761,440 | 1,433,632 | 3,713,101           | 613,355                                                  | 19,667,121             |
| 1899..... | 1,043,645                  | 7,347,604      | 4,119,891        | 1,953,134 | 1,590,447 | 5,214,074           | 622,911                                                  | 21,891,706             |
| 1900..... | 1,059,193                  | 7,809,152      | 3,769,742        | 1,989,279 | 1,333,294 | 4,878,820           | 718,159                                                  | 21,557,639             |
| 1901..... | 1,050,623                  | 7,989,548      | 4,193,264        | 2,174,459 | 1,428,078 | 7,942,771           | 958,410                                                  | 23,737,153             |
| 1902..... | 887,024                    | 7,351,753      | 3,912,514        | 2,059,175 | 1,265,706 | 5,284,824           | 1,198,437                                                | 21,959,433             |
| 1903..... | 1,099,510                  | 7,841,602      | 4,186,800        | 2,211,792 | 1,535,144 | 5,748,365           | 1,478,665                                                | 23,101,878             |
| 1904..... | 1,077,548                  | 7,287,099      | 4,671,084        | 1,751,397 | 1,793,229 | 4,219,107           | 1,716,977                                                | 23,516,439             |
| 1905..... | 998,922                    | 8,259,085      | 4,847,090        | 2,003,716 | 1,708,963 | 9,850,216           | 1,811,570                                                | 29,479,562             |
| 1906..... | 1,168,939                  | 7,799,160      | 4,905,225        | 2,175,035 | 1,734,856 | 7,003,347           | 1,492,923                                                | 26,279,485             |
| 1907..... | 1,492,695                  | 7,632,330      | 5,300,564        | 2,047,390 | 1,935,025 | 6,122,923           | 968,422                                                  | 25,499,349             |
| 1908..... | 1,378,624                  | 8,009,838      | 4,754,298        | 1,881,817 | 2,100,073 | 6,465,038           | 861,392                                                  | 25,451,085             |
| 1909..... | 1,197,557                  | 8,081,111      | 4,676,315        | 1,808,437 | 2,177,813 | 10,314,755          | 1,373,181                                                | 29,629,169             |
| 1910..... | 1,153,708                  | 10,119,243     | 4,134,144        | 1,692,475 | 2,026,121 | 9,163,235           | 1,676,507                                                | 29,965,433             |
| 1911..... | 1,196,396                  | 9,367,550      | 4,886,157        | 1,868,136 | 2,205,436 | 13,667,125          | 1,467,072                                                | 34,667,872             |
| 1912..... | 1,379,905                  | 7,384,055      | 4,264,054        | 1,988,241 | 2,842,878 | 14,455,488          | 1,074,843                                                | 33,389,464             |
| 1913..... | 1,280,447                  | 8,297,626      | 4,308,707        | 1,850,427 | 2,674,685 | 13,891,398          | 904,458                                                  | 33,207,748             |
| 1914..... | 1,261,666                  | 7,730,191      | 4,940,083        | 1,924,430 | 2,755,291 | 11,515,086          | 1,137,884                                                | 31,264,631             |
| 1915..... | 933,682                    | 9,166,851      | 4,737,145        | 2,076,851 | 3,341,182 | 14,538,320          | 1,066,677                                                | 35,860,708             |
| 1916..... | 1,344,179                  | 10,092,902     | 5,656,859        | 2,991,624 | 2,658,993 | 14,637,346          | 1,826,475                                                | 39,208,378             |
| 1917..... | 1,786,310                  | 14,468,319     | 6,143,088        | 3,414,378 | 2,866,419 | 21,518,595          | 2,114,935                                                | 52,312,044             |
| 1918..... | 1,148,201                  | 15,143,066     | 6,298,990        | 4,577,973 | 3,175,111 | 27,282,223          | 2,634,180                                                | 60,259,744             |
| 1919..... | 1,536,844                  | 15,171,929     | 4,979,574        | 4,258,731 | 3,410,750 | 25,301,607          | 1,849,044                                                | 56,508,479             |
| 1920..... | 1,708,723                  | 12,742,659     | 4,423,745        | 2,592,382 | 3,336,412 | 22,329,161          | 2,018,257                                                | 49,241,339             |
| 1921..... | 924,529                    | 9,778,623      | 3,690,726        | 1,815,284 | 3,065,042 | 13,953,670          | 1,704,061                                                | 34,931,935             |
| 1922..... | 1,612,599                  | 10,209,258     | 4,685,660        | 2,089,414 | 2,858,122 | 18,849,668          | 1,495,499                                                | 41,800,210             |
| 1923..... | 1,754,980                  | 8,448,385      | 4,548,535        | 2,100,412 | 3,159,427 | 20,795,914          | 1,757,892                                                | 42,565,545             |
| 1924..... | 1,201,772                  | 8,777,251      | 5,383,809        | 2,283,314 | 3,557,587 | 21,257,567          | 2,072,935                                                | 44,534,235             |
| 1925..... | 1,598,119                  | 10,213,779     | 4,798,589        | 3,044,919 | 3,436,412 | 22,414,618          | 2,435,695                                                | 47,942,131             |
| 1926..... | 1,358,934                  | 12,508,922     | 5,325,478        | 3,110,964 | 3,152,193 | 27,367,109          | 3,540,033                                                | 56,360,633             |
| 1927..... | 1,367,807                  | 10,783,631     | 4,406,673        | 2,736,450 | 3,670,229 | 23,264,342          | 3,267,906                                                | 49,497,038             |

**18. Historical Review—(b) Number and Value of Vessels and Boats engaged in the Fisheries of Canada, together with the Value of Fishing Material used for the Years 1880, 1885, 1890, 1900, and 1905 to 1927**

| Year      | Vessels |            | Boats  |           | Value of Nets and Seines | Value of other Fishing Material <sup>1</sup> | Total Capital Invested |
|-----------|---------|------------|--------|-----------|--------------------------|----------------------------------------------|------------------------|
|           | Number  | Value      | Number | Value     |                          |                                              |                        |
|           |         | \$         |        | \$        | \$                       | \$                                           | \$                     |
| 1880..... | 1,181   | 1,814,688  | 25,266 | 716,352   | 985,978                  | 419,564                                      | 3,938,582              |
| 1885..... | 1,177   | 2,021,633  | 28,472 | 852,257   | 1,219,284                | 2,604,285                                    | 6,697,459              |
| 1890..... | 1,069   | 2,152,790  | 29,803 | 924,346   | 1,695,358                | 2,600,147                                    | 7,372,641              |
| 1895..... | 1,121   | 2,318,290  | 34,268 | 1,014,057 | 1,713,190                | 4,208,311                                    | 9,253,848              |
| 1900..... | 1,212   | 1,940,329  | 38,930 | 1,248,171 | 2,405,860                | 5,395,765                                    | 10,990,125             |
| 1905..... | 1,384   | 2,813,834  | 41,463 | 1,373,337 | 2,310,508                | 6,383,218                                    | 12,880,897             |
| 1906..... | 1,439   | 2,841,875  | 39,634 | 1,462,374 | 2,426,341                | 7,824,975                                    | 14,555,565             |
| 1907..... | 1,390   | 2,748,234  | 38,711 | 1,437,196 | 2,266,722                | 8,374,440                                    | 14,826,592             |
| 1908..... | 1,441   | 3,571,871  | 39,965 | 1,696,856 | 2,283,127                | 7,956,420                                    | 15,609,354             |
| 1909..... | 1,750   | 3,303,121  | 41,170 | 1,855,629 | 2,572,820                | 9,626,362                                    | 17,357,932             |
| 1910..... | 1,680   | 3,028,625  | 38,977 | 2,483,996 | 2,786,548                | 10,720,701                                   | 19,019,870             |
| 1911..... | 1,648   | 3,502,928  | 36,761 | 2,695,650 | 2,453,191                | 12,281,135                                   | 20,932,904             |
| 1912..... | 1,669   | 4,671,923  | 34,501 | 3,072,115 | 4,154,880                | 12,489,541                                   | 24,388,459             |
| 1913..... | 1,992   | 4,445,259  | 37,686 | 3,834,178 | 3,423,110                | 15,761,486                                   | 27,464,033             |
| 1914..... | 1,892   | 4,390,660  | 39,144 | 3,957,912 | 3,313,581                | 13,071,009                                   | 24,737,162             |
| 1915..... | 1,984   | 4,594,504  | 38,536 | 4,345,954 | 3,544,087                | 13,371,030                                   | 25,855,575             |
| 1916..... | 1,965   | 5,267,724  | 40,105 | 4,829,793 | 4,485,269                | 14,146,176                                   | 28,728,962             |
| 1917..... | 1,533   | 6,268,946  | 42,689 | 5,770,464 | 5,347,497                | 29,756,218                                   | 47,143,125             |
| 1918..... | 1,417   | 6,790,888  | 38,726 | 7,059,638 | 6,174,967                | 40,196,370                                   | 60,221,863             |
| 1919..... | 1,373   | 7,765,160  | 36,434 | 7,470,095 | 6,312,245                | 33,026,526                                   | 54,577,026             |
| 1920..... | 1,228   | 8,316,071  | 30,522 | 7,859,999 | 6,697,214                | 27,532,194                                   | 50,405,478             |
| 1921..... | 1,145   | 6,326,803  | 31,747 | 7,379,606 | 6,112,142                | 25,850,926                                   | 45,669,477             |
| 1922..... | 1,251   | 6,704,986  | 35,166 | 6,896,512 | 5,876,309                | 28,287,181                                   | 47,764,988             |
| 1923..... | 1,162   | 6,249,971  | 32,360 | 5,813,421 | 5,656,712                | 29,952,846                                   | 47,672,950             |
| 1924..... | 1,211   | 5,612,448  | 34,110 | 6,232,613 | 5,530,556                | 26,481,733                                   | 43,857,350             |
| 1925..... | 1,399   | 6,702,074  | 34,835 | 6,809,445 | 6,203,876                | 27,157,235                                   | 46,872,630             |
| 1926..... | 1,560   | 8,642,596  | 35,564 | 7,431,191 | 6,684,269                | 35,148,628                                   | 57,906,684             |
| 1927..... | 1,727   | 10,473,032 | 36,703 | 7,713,204 | 7,350,636                | 30,769,589                                   | 56,306,461             |

<sup>1</sup>Comprises fish canning and curing establishments, small fish and smoke houses, ice-houses, fishing piers and wharves lobster and crab traps, weirs, trawls, and all other fishing material except "vessels," "boats," and "nets and seines."

**18. Historical Review—(c) Number of Persons employed in the Fishing Industry of Canada for the years 1895, 1900 and 1905 to 1927**

| Year      | Number of Persons in Canneries and Fish houses | Number of Men in Vessels | Number of Men in Boats | Number of Men Fishing, not in Boats <sup>1</sup> | Total Number of Fishermen | Total Number of Persons in Fishing Industry |
|-----------|------------------------------------------------|--------------------------|------------------------|--------------------------------------------------|---------------------------|---------------------------------------------|
| 1895..... | 13,030                                         | 9,804                    | 61,530                 | —                                                | 71,334                    | 84,364                                      |
| 1900..... | 18,205                                         | 9,205                    | 71,859                 | —                                                | 81,064                    | 99,269                                      |
| 1905..... | 14,037                                         | 9,366                    | 73,505                 | —                                                | 82,871                    | 96,908                                      |
| 1906..... | 12,317                                         | 8,458                    | 67,646                 | —                                                | 76,104                    | 89,021                                      |
| 1907..... | 11,442                                         | 8,089                    | 63,165                 | —                                                | 71,254                    | 82,696                                      |
| 1908..... | 13,753                                         | 8,550                    | 62,520                 | —                                                | 71,070                    | 84,823                                      |
| 1909..... | 21,694                                         | 7,931                    | 60,732                 | —                                                | 68,663                    | 90,357                                      |
| 1910..... | 24,978                                         | 8,521                    | 60,089                 | —                                                | 68,610                    | 93,588                                      |
| 1911..... | 25,206                                         | 9,056                    | 56,870                 | —                                                | 65,926                    | 91,132                                      |
| 1912..... | 23,327                                         | 9,076                    | 56,005                 | —                                                | 65,081                    | 88,408                                      |
| 1913..... | 26,893                                         | 10,525                   | 61,251                 | —                                                | 71,776                    | 98,669                                      |
| 1914..... | 24,559                                         | 9,400                    | 60,554                 | —                                                | 69,954                    | 94,513                                      |
| 1915..... | 27,320                                         | 9,541                    | 65,321                 | —                                                | 74,862                    | 102,182                                     |
| 1916..... | 25,680                                         | 9,192                    | 60,432                 | —                                                | 69,624                    | 95,304                                      |
| 1917..... | 22,732                                         | 8,946                    | 62,700                 | 744                                              | 72,390                    | 95,122                                      |
| 1918..... | 18,554                                         | 8,668                    | 58,110                 | 1,738                                            | 68,516                    | 87,070                                      |
| 1919..... | 18,356                                         | 8,908                    | 56,280                 | 2,616                                            | 67,804                    | 86,160                                      |
| 1920..... | 18,499                                         | 7,918                    | 47,418                 | 1,861                                            | 57,197                    | 75,696                                      |
| 1921..... | 14,104                                         | 6,899                    | 46,580                 | 1,751                                            | 55,230                    | 69,334                                      |
| 1922..... | 16,577                                         | 7,503                    | 48,480                 | 1,897                                            | 57,880                    | 74,457                                      |
| 1923..... | 15,447                                         | 6,694                    | 44,482                 | 2,341                                            | 53,517                    | 68,964                                      |
| 1924..... | 15,536                                         | 6,663                    | 44,326                 | 2,925                                            | 53,914                    | 69,450                                      |
| 1925..... | 16,272                                         | 7,566                    | 47,531                 | 3,176                                            | 58,273                    | 74,545                                      |
| 1926..... | 17,408                                         | 8,638                    | 49,058                 | 3,675                                            | 61,371                    | 78,779                                      |
| 1927..... | 16,697                                         | 8,851                    | 48,800                 | 5,764                                            | 63,415                    | 80,112                                      |

<sup>1</sup> Not separately classified previous to 1917.

18. (d) Total Capital Investment of the Fisheries Industry by Provinces, for the Years 1880, 1885, 1890, 1895 and 1900 to 1927

| Year      | Prince<br>Edward<br>Island | Nova<br>Scotia | New<br>Brunswick | Quebec    | Ontario   | British<br>Columbia | Manitoba,<br>Saskatchewan,<br>Alberta<br>and<br>Yukon | Canada     |
|-----------|----------------------------|----------------|------------------|-----------|-----------|---------------------|-------------------------------------------------------|------------|
|           | \$                         | \$             | \$               | \$        | \$        | \$                  | \$<br>Not<br>available                                | \$         |
| 1880..... | 106,011                    | 2,225,493      | 490,714          | 756,796   | 177,543   | 182,025             | available                                             | 3,938,582  |
| 1885..... | 493,143                    | 3,010,000      | 1,075,879        | 930,358   | 378,274   | 809,805             | "                                                     | 6,697,450  |
| 1890..... | 348,320                    | 3,243,310      | 1,184,745        | 521,544   | 563,443   | 1,511,279           | "                                                     | 7,372,641  |
| 1895..... | 479,639                    | 3,139,968      | 1,710,347        | 804,703   | 831,505   | 2,085,455           | 202,251                                               | 9,253,848  |
| 1900..... | 442,120                    | 3,278,623      | 2,361,087        | 830,869   | 789,042   | 2,987,104           | 301,280                                               | 10,990,125 |
| 1901..... | 425,589                    | 3,319,334      | 2,233,825        | 954,661   | 750,921   | 3,360,082           | 446,888                                               | 11,491,300 |
| 1902..... | 395,648                    | 3,485,489      | 1,943,654        | 1,014,168 | 816,392   | 3,160,683           | 489,925                                               | 11,305,959 |
| 1903..... | 464,792                    | 3,937,428      | 2,005,391        | 1,124,848 | 846,368   | 3,256,102           | 606,525                                               | 12,241,454 |
| 1904..... | 444,868                    | 4,016,661      | 2,113,377        | 1,243,085 | 931,097   | 2,935,416           | 672,438                                               | 12,356,942 |
| 1905..... | 417,951                    | 4,361,897      | 2,182,059        | 1,138,875 | 960,700   | 3,158,145           | 661,270                                               | 12,880,897 |
| 1906..... | 460,694                    | 4,529,301      | 2,171,083        | 1,207,515 | 942,910   | 4,591,560           | 652,502                                               | 14,555,565 |
| 1907..... | 488,905                    | 4,469,041      | 2,332,455        | 1,134,315 | 1,099,403 | 4,767,863           | 534,610                                               | 14,826,592 |
| 1908..... | 547,714                    | 5,052,148      | 2,365,563        | 1,101,746 | 1,125,884 | 4,899,854           | 417,445                                               | 15,509,354 |
| 1909..... | 568,828                    | 5,014,909      | 2,346,467        | 1,097,767 | 1,147,075 | 6,823,852           | 359,034                                               | 17,357,932 |
| 1910..... | 601,753                    | 5,334,083      | 2,576,795        | 1,031,813 | 1,165,229 | 7,830,976           | 479,221                                               | 19,019,870 |
| 1911..... | 641,731                    | 5,645,276      | 2,894,795        | 1,215,532 | 1,170,365 | 8,903,000           | 462,205                                               | 20,932,904 |
| 1912..... | 851,070                    | 6,531,590      | 3,508,899        | 1,440,114 | 1,808,404 | 9,941,049           | 307,333                                               | 24,388,459 |
| 1913..... | 948,667                    | 7,110,210      | 3,600,547        | 1,445,871 | 1,506,581 | 12,459,613          | 362,544                                               | 27,464,033 |
| 1914..... | 1,030,464                  | 7,568,821      | 3,765,020        | 1,392,039 | 1,752,339 | 8,829,740           | 394,739                                               | 24,733,162 |
| 1915..... | 1,024,268                  | 7,899,112      | 3,958,714        | 1,464,373 | 1,860,732 | 9,141,915           | 506,461                                               | 25,855,575 |
| 1916..... | 1,178,148                  | 8,661,643      | 4,487,601        | 1,479,593 | 2,027,018 | 10,371,303          | 523,656                                               | 28,728,962 |
| 1917..... | 1,770,949                  | 11,702,311     | 5,733,071        | 3,283,218 | 2,331,182 | 21,696,345          | 626,049                                               | 47,143,125 |
| 1918..... | 1,529,184                  | 13,084,412     | 6,960,327        | 4,469,164 | 2,694,102 | 30,478,437          | 1,006,237                                             | 60,221,863 |
| 1919..... | 1,528,541                  | 13,971,628     | 5,878,652        | 3,767,293 | 3,039,682 | 25,373,497          | 1,017,733                                             | 54,577,026 |
| 1920..... | 1,309,179                  | 13,347,270     | 4,931,856        | 3,246,442 | 3,269,971 | 23,290,359          | 1,010,401                                             | 50,405,478 |
| 1921..... | 970,798                    | 12,265,465     | 4,436,076        | 2,735,617 | 3,151,715 | 21,135,723          | 974,083                                               | 45,669,477 |
| 1922..... | 1,161,325                  | 12,860,960     | 4,614,008        | 2,142,572 | 3,352,410 | 22,763,363          | 870,550                                               | 47,764,988 |
| 1923..... | 1,278,481                  | 12,188,808     | 4,574,617        | 2,267,511 | 2,807,368 | 23,577,988          | 973,177                                               | 47,672,950 |
| 1924..... | 1,211,858                  | 10,990,472     | 5,357,891        | 2,328,671 | 2,995,362 | 19,905,883          | 1,067,213                                             | 43,857,350 |
| 1925..... | 1,237,972                  | 11,674,790     | 5,247,448        | 2,708,239 | 3,235,510 | 21,674,584          | 1,094,087                                             | 46,872,630 |
| 1926..... | 1,166,620                  | 12,094,428     | 5,369,112        | 2,766,536 | 3,337,737 | 31,862,753          | 1,309,499                                             | 57,906,684 |
| 1927..... | 1,117,473                  | 11,469,249     | 5,526,988        | 2,408,274 | 3,257,190 | 31,117,986          | 1,409,301                                             | 56,306,461 |

18. (e) Total Number of Persons Employed in the Fishing Industry of Canada, by Provinces, 1895 and 1900 to 1927

| Year      | Prince<br>Edward<br>Island | Nova<br>Scotia | New<br>Brunswick | Quebec | Ontario | Manitoba,<br>Saskatchewan,<br>Alberta<br>and<br>Yukon | British<br>Columbia | Canada  |
|-----------|----------------------------|----------------|------------------|--------|---------|-------------------------------------------------------|---------------------|---------|
|           | no.                        | no.            | no.              | no.    | no.     | no.                                                   | no.                 | no.     |
| 1895..... | 7,058                      | 29,369         | 14,489           | 14,119 | 3,259   | 1,585                                                 | 14,485              | 84,364  |
| 1900..... | 8,178                      | 31,659         | 18,079           | 16,231 | 2,502   | 1,326                                                 | 21,294              | 99,269  |
| 1901..... | 7,041                      | 29,529         | 17,713           | 13,252 | 2,802   | 2,914                                                 | 20,354              | 93,605  |
| 1902..... | 6,576                      | 28,546         | 17,305           | 13,977 | 2,885   | 3,512                                                 | 18,563              | 91,364  |
| 1903..... | 6,318                      | 28,260         | 17,333           | 16,528 | 3,003   | 2,573                                                 | 19,137              | 93,152  |
| 1904..... | 6,706                      | 28,860         | 18,342           | 14,498 | 3,125   | 4,559                                                 | 15,236              | 91,326  |
| 1905..... | 5,520                      | 30,782         | 19,406           | 14,768 | 3,185   | 5,027                                                 | 18,220              | 96,908  |
| 1906..... | 5,788                      | 27,864         | 19,502           | 13,316 | 3,085   | 3,931                                                 | 15,535              | 89,021  |
| 1907..... | 6,249                      | 26,797         | 18,179           | 12,908 | 3,180   | 2,549                                                 | 12,834              | 82,696  |
| 1908..... | 5,899                      | 28,227         | 21,419           | 12,321 | 3,263   | 1,926                                                 | 11,768              | 84,823  |
| 1909..... | 5,832                      | 26,673         | 20,427           | 12,054 | 3,601   | 2,270                                                 | 19,500              | 90,357  |
| 1910..... | 7,975                      | 26,568         | 22,660           | 12,052 | 3,767   | 3,458                                                 | 17,108              | 93,588  |
| 1911..... | 5,888                      | 28,368         | 22,157           | 12,582 | 3,831   | 3,139                                                 | 15,167              | 91,132  |
| 1912..... | 5,703                      | 26,538         | 21,675           | 11,386 | 3,604   | 3,874                                                 | 15,628              | 88,408  |
| 1913..... | 6,264                      | 28,879         | 21,876           | 10,973 | 3,511   | 6,459                                                 | 20,707              | 98,669  |
| 1914..... | 5,832                      | 29,364         | 22,034           | 11,012 | 4,076   | 3,867                                                 | 18,328              | 94,513  |
| 1915..... | 5,645                      | 29,062         | 23,373           | 13,797 | 4,114   | 8,373                                                 | 17,820              | 102,182 |
| 1916..... | 6,235                      | 28,682         | 21,799           | 12,158 | 3,592   | 4,483                                                 | 18,355              | 95,304  |
| 1917..... | 5,888                      | 26,557         | 21,030           | 11,721 | 3,705   | 5,338                                                 | 20,883              | 95,122  |
| 1918..... | 5,684                      | 25,368         | 15,712           | 12,180 | 3,918   | 4,051                                                 | 20,157              | 87,070  |
| 1919..... | 5,369                      | 26,133         | 13,789           | 12,210 | 4,156   | 3,700                                                 | 20,803              | 86,160  |
| 1920..... | 4,793                      | 23,574         | 11,325           | 10,460 | 3,693   | 2,970                                                 | 18,881              | 75,696  |
| 1921..... | 3,644                      | 23,238         | 10,542           | 9,635  | 3,600   | 3,001                                                 | 15,674              | 69,334  |
| 1922..... | 4,204                      | 23,977         | 12,130           | 11,127 | 4,003   | 3,203                                                 | 15,813              | 74,457  |
| 1923..... | 4,586                      | 20,586         | 11,484           | 9,978  | 3,742   | 3,731                                                 | 14,857              | 68,964  |
| 1924..... | 4,205                      | 19,192         | 11,119           | 10,023 | 4,267   | 4,464                                                 | 16,180              | 69,450  |
| 1925..... | 4,749                      | 19,870         | 11,340           | 11,808 | 4,263   | 5,133                                                 | 17,382              | 74,545  |
| 1926..... | 4,480                      | 20,191         | 11,438           | 12,010 | 4,145   | 5,917                                                 | 20,598              | 78,779  |
| 1927..... | 4,136                      | 19,747         | 12,344           | 12,144 | 4,156   | 6,263                                                 | 21,322              | 80,112  |

## GENERAL TABLES

### I. FISH CAUGHT AND MARKETED, 1927 — QUANTITIES AND VALUES.

### II. AGENCIES OF PRODUCTION, 1927 — CAPITAL EQUIPMENT, EMPLOYEES, ETC.

#### Part I IN PRIMARY OPERATIONS.

#### Part II. IN FISH CANNING AND CURING ESTABLISHMENTS.

- (a) General Summary of Statistics.
- (b) Capital Invested.
- (c) Employees, and Salaries and Wages.
- (d) Number of Wage-earners by Months.
- (e) Quantity and Value of Fuel Used.
- (f) Power Equipment.
- (g) Classification of Establishments According to Time in Operation and Hours Worked.
- (h) Classification of Establishments According to Value of Product.
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- (j) Classification of Establishments According to Form of Organization.

### III. SPECIAL TABLES.

- (1) The Salmon Pack of British Columbia, 1917-1927.
- (2) Imports and Exports of Fish and Fish Products, calendar years, 1926 and 1927.
- (3) Fishing Bounties, 1927.

## I. Fish Caught and Marketed, 1927

|    | Fishing Districts                                                    | Cod               |            |              |       |         | Haddock           |            |              |
|----|----------------------------------------------------------------------|-------------------|------------|--------------|-------|---------|-------------------|------------|--------------|
|    |                                                                      | Caught and landed | Marketed   |              |       | Cod oil | Caught and landed | Marketed   |              |
|    |                                                                      |                   | Used fresh | Green-salted | Dried |         |                   | Used fresh | Green-salted |
|    | Prince Edward Island                                                 | cwt.              | cwt.       | cwt.         | cwt.  | gal.    | cwt.              | cwt.       | cwt.         |
|    | <b>Totals for Province—</b>                                          |                   |            |              |       |         |                   |            |              |
| 1  | Quantity.....                                                        | 49,419            | 9,578      | 19,490       | 320   | 4,010   | 1,168             | 650        | 259          |
| 2  | Value.....\$                                                         | 77,681            | 47,270     | 78,607       | 1,750 | 1,203   | 2,613             | 3,010      | 777          |
| 3  | Kings County (all)—                                                  |                   |            |              |       |         |                   |            |              |
| 4  | Total quantity.....                                                  | 6,761             | —          | 3,025        | 270   | 700     | 963               | 445        | 259          |
| 5  | Total value.....\$                                                   | 13,522            | —          | 12,545       | 1,350 | 210     | 1,998             | 1,780      | 777          |
| 6  | Queens County (all)—                                                 |                   |            |              |       |         |                   |            |              |
| 7  | Total quantity.....                                                  | 34,632            | 9,066      | 12,783       | —     | 3,000   | 205               | 205        | —            |
| 8  | Total value.....\$                                                   | 55,436            | 45,330     | 51,132       | —     | 900     | 615               | 1,230      | —            |
| 9  | Prince County—                                                       |                   |            |              |       |         |                   |            |              |
| 10 | Western portion: Baptist Point to and including Cascumpeque Bay..... | 7,330             | 310        | 3,480        | 20    | 310     | —                 | —          | —            |
|    | Eastern portion: East of Baptist Point and Cascumpeque Bay.....      | 696               | 202        | 202          | 30    | —       | —                 | —          | —            |
|    | Total quantity.....                                                  | 8,026             | 512        | 3,682        | 50    | 310     | —                 | —          | —            |
|    | Total value.....\$                                                   | 8,723             | 1,940      | 14,930       | 400   | 93      | —                 | —          | —            |

|    | Fishing Districts                                                    | Smelts            |                     | Trout             |                     | Caplin            |                     | Eels              |                     | Tom Cod           |                     |
|----|----------------------------------------------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|
|    |                                                                      | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh |
|    |                                                                      |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
|    | Prince Edward Island—concluded                                       | cwt.              | cwt.                | cwt.              | cwt.                | bbl.              | bbl.                | cwt.              | cwt.                | cwt.              | cwt.                |
|    | <b>Totals for Province—</b>                                          |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
| 1  | Quantity.....                                                        | 14,936            | 14,936              | 61                | 61                  | 183               | 183                 | 131               | 131                 | 1,823             | 1,823               |
| 2  | Value.....\$                                                         | 126,459           | 179,232             | 606               | 646                 | 635               | 850                 | 921               | 1,358               | 4,147             | 4,195               |
| 3  | Kings County (all)—                                                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
| 4  | Total quantity.....                                                  | 547               | 547                 | 11                | 11                  | 165               | 165                 | 14                | 14                  | —                 | —                   |
| 5  | Total value.....\$                                                   | 4,614             | 6,564               | 110               | 132                 | 527               | 742                 | 70                | 140                 | —                 | —                   |
| 6  | Queens County (all)—                                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
| 7  | Total quantity.....                                                  | 8,066             | 8,066               | 31                | 31                  | —                 | —                   | 93                | 93                  | 763               | 763                 |
| 8  | Total value.....\$                                                   | 71,793            | 96,792              | 310               | 310                 | —                 | —                   | 635               | 930                 | 1,666             | 1,700               |
| 9  | Prince County—                                                       |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
| 10 | Western Portion: Baptist Point to and including Cascumpeque Bay..... | 995               | 995                 | 6                 | 6                   | 18                | 18                  | 24                | 24                  | 265               | 265                 |
|    | Eastern Portion: East of Baptist Point and Cascumpeque Bay.....      | 5,328             | 5,328               | 13                | 13                  | —                 | —                   | —                 | —                   | 795               | 795                 |
|    | Total quantity.....                                                  | 6,323             | 6,323               | 19                | 19                  | 18                | 18                  | 24                | 24                  | 1,060             | 1,060               |
|    | Total value.....\$                                                   | 50,052            | 75,876              | 186               | 204                 | 108               | 108                 | 216               | 288                 | 2,481             | 2,495               |

## I. Fish Caught and Marketed, 1927—con.

| Hake and Cusk     |            |              |       | Herring           |            |       |         |              | Mackerel          |            |        |        | Salmon            |                        |
|-------------------|------------|--------------|-------|-------------------|------------|-------|---------|--------------|-------------------|------------|--------|--------|-------------------|------------------------|
| Caught and landed | Marketed   |              |       | Caught and landed | Marketed   |       |         |              | Caught and landed | Marketed   |        |        | Caught and landed | Marketed<br>Used fresh |
|                   | Used fresh | Green-salted | Dried |                   | Used fresh | Dried | Pickled | Used as bait |                   | Used fresh | Canned | Salted |                   |                        |
| cwt.              | cwt.       | cwt.         | cwt.  | cwt.              | cwt.       | cwt.  | bbl.    | bbl.         | cwt.              | cwt.       | cases  | bbl.   | cwt.              | cwt.                   |
| 11,326            | 190        | 4,350        | 815   | 51,834            | 7,023      | 390   | 632     | 20,287       | 6,455             | 3,347      | 130    | 1,005  | 124               | 124                    |
| 8,403             | 440        | 13,050       | 3,290 | 71,908            | 27,224     | 2,340 | 5,006   | 53,798       | 19,889            | 16,133     | 992    | 11,130 | 2,434             | 3,031                  |
| 3,097             | —          | 353          | 800   | 16,468            | 4,143      | —     | —       | 6,162        | 958               | 308        | —      | 216    | 101               | 101                    |
| 3,097             | —          | 1,059        | 3,200 | 29,149            | 15,429     | —     | —       | 18,486       | 4,290             | 1,540      | —      | 3,240  | 2,020             | 2,525                  |
| 2,054             | 60         | 997          | —     | 8,178             | 620        | —     | 50      | 3,704        | 4,380             | 2,670      | —      | 570    | 23                | 23                     |
| 2,170             | 180        | 2,991        | —     | 8,490             | 1,860      | —     | 350     | 9,260        | 13,891            | 13,350     | —      | 5,700  | 414               | 506                    |
| 6,175             | 130        | 3,000        | 15    | 15,925            | 390        | —     | 575     | 6,905        | 953               | 301        | 70     | 201    | —                 | —                      |
| —                 | —          | —            | —     | 11,263            | 1,870      | 390   | 7       | 3,516        | 164               | 68         | 60     | 18     | —                 | —                      |
| 6,175             | 130        | 3,000        | 15    | 27,188            | 2,260      | 390   | 582     | 10,421       | 1,117             | 369        | 130    | 219    | —                 | —                      |
| 3,136             | 260        | 9,000        | 90    | 34,269            | 9,935      | 2,340 | 4,656   | 26,052       | 1,708             | 1,243      | 992    | 2,190  | —                 | —                      |

| Clams and Quahaugs |            |        | Crabs             |          | Lobsters          |          |       |         |          | Oysters           |          | Scallops          |          | Tongues and Sounds |
|--------------------|------------|--------|-------------------|----------|-------------------|----------|-------|---------|----------|-------------------|----------|-------------------|----------|--------------------|
| Caught and landed  | Marketed   |        | Caught and landed | Marketed | Caught and landed | Marketed |       |         |          | Caught and landed | Marketed | Caught and landed | Marketed | Pickled or dried   |
|                    | Used fresh | Canned |                   |          |                   | In shell | Meat  | Canned  | Tomalley |                   |          |                   |          |                    |
| bbl.               | bbl.       | cases  | cwt.              | cases    | cwt.              | cwt.     | cwt.  | cases   | cases    | bbl.              | bbl.     | bbl.              | gal.     | cwt.               |
| 1,174              | 273        | 901    | 135               | 15       | 62,800            | 1,847    | 50    | 27,896  | 630      | 4,071             | 4,071    | 96                | 192      | 68                 |
| 1,374              | 518        | 5,242  | 303               | 360      | 617,057           | 40,817   | 4,000 | 801,542 | 9,558    | 29,068            | 48,838   | 192               | 240      | 1,360              |
| 888                | —          | 888    | —                 | —        | 25,347            | —        | —     | 12,524  | 164      | —                 | —        | —                 | —        | 50                 |
| 942                | —          | 5,138  | —                 | —        | 212,050           | —        | —     | 351,959 | 2,714    | —                 | —        | —                 | —        | 1,000              |
| —                  | —          | —      | 135               | 15       | 13,067            | 401      | —     | 6,231   | 144      | 4,064             | 4,064    | —                 | —        | —                  |
| —                  | —          | —      | 303               | 360      | 129,707           | 5,361    | —     | 177,861 | 2,401    | 29,012            | 48,768   | —                 | —        | —                  |
| —                  | —          | —      | —                 | —        | 13,975            | —        | —     | 6,056   | 285      | —                 | —        | 96                | 192      | 18                 |
| 286                | 273        | 13     | —                 | —        | 10,411            | 1,446    | 50    | 3,085   | 37       | 7                 | 7        | —                 | —        | —                  |
| 286                | 273        | 13     | —                 | —        | 24,386            | 1,446    | 50    | 9,141   | 322      | 7                 | 7        | 96                | 192      | 18                 |
| 432                | 518        | 104    | —                 | —        | 275,300           | 35,456   | 4,000 | 271,722 | 4,443    | 56                | 70       | 192               | 240      | 360                |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                                                             | Cod               |            |              |              |        |        |               |           |          |                          |         |
|-------------------------------------------------------------------------------|-------------------|------------|--------------|--------------|--------|--------|---------------|-----------|----------|--------------------------|---------|
|                                                                               | Caught and landed | Marketed   |              |              |        |        |               |           |          | Cod liver oil, medicinal | Cod oil |
|                                                                               |                   | Used fresh | Fresh filets | Green salted | Canned | Smoked | Smoked filets | Dried     | Boneless |                          |         |
| Nova Scotia                                                                   | cwt.              | cwt.       | cwt.         | cwt.         | cases  | cwt.   | cwt.          | cwt.      | cwt.     | gal.                     | gal.    |
| 1 Totals for Province—Quantity                                                | 1,331,873         | 100,691    | 11,195       | 78,114       | 2,166  | 216    | 52,540        | 274,103   | 22,639   | 57,264                   | 133,555 |
| 2 Value...\$                                                                  | 2,433,699         | 383,810    | 113,676      | 330,500      | 17,684 | 1,728  | 637,530       | 1,637,001 | 217,908  | 53,130                   | 62,809  |
| 3 Richmond County—                                                            |                   |            |              |              |        |        |               |           |          |                          |         |
| 4 Inverness county line to St. Peter's canal including Ile Madame.....        | 9,226             | 19         | -            | 137          | -      | -      | -             | 361       | -        | -                        | -       |
| 5 St. Peter's canal to Cape Breton county line.....                           | 1,084             | -          | -            | -            | -      | -      | -             | 361       | -        | -                        | -       |
| 6 Total quantity.....                                                         | 10,310            | 19         | -            | 137          | -      | -      | -             | 662       | -        | -                        | -       |
| 7 Total value.....\$                                                          | 13,993            | 57         | -            | 411          | -      | -      | -             | 4,275     | -        | -                        | -       |
| 8 Cape Breton County—                                                         |                   |            |              |              |        |        |               |           |          |                          |         |
| 9 Richmond county line to White Point and head of East Bay.....               | 1,830             | -          | -            | -            | -      | -      | -             | 610       | -        | -                        | -       |
| 10 White Point to Bridgeport.....                                             | 5,215             | 160        | -            | 1,000        | -      | -      | -             | 937       | 61       | -                        | 120     |
| 11 Bridgeport and head of East Bay to Victoria county line.....               | 36,297            | 16,270     | -            | 6,770        | -      | -      | 312           | 75        | 282      | -                        | -       |
| 12 Total quantity.....                                                        | 43,342            | 16,430     | -            | 7,770        | -      | -      | 312           | 1,622     | 343      | -                        | 120     |
| 13 Total value.....\$                                                         | 73,223            | 65,560     | -            | 40,546       | -      | -      | 3,437         | 9,802     | 4,276    | -                        | 60      |
| 14 Victoria County—                                                           |                   |            |              |              |        |        |               |           |          |                          |         |
| 15 South of Path End.....                                                     | 2,790             | 368        | -            | 260          | -      | -      | -             | 633       | -        | -                        | -       |
| 16 Path End to Green Cove.....                                                | 25,241            | -          | -            | 3,510        | -      | -      | -             | 932       | -        | -                        | -       |
| 17 Green Cove to Inverness county line.....                                   | 33,556            | 3,631      | -            | 2,852        | -      | -      | -             | 1,120     | -        | -                        | -       |
| 18 Total quantity.....                                                        | 61,587            | 3,999      | -            | 6,622        | -      | -      | -             | 2,685     | -        | -                        | -       |
| 19 Total value.....\$                                                         | 87,885            | 7,458      | -            | 23,272       | -      | -      | -             | 14,341    | -        | -                        | -       |
| 20 Inverness County—                                                          |                   |            |              |              |        |        |               |           |          |                          |         |
| 21 North of Broad Cove, Scotsville and Gillander Mountain.....                | 11,728            | 536        | -            | 3,532        | -      | -      | -             | 1,376     | -        | -                        | 720     |
| 22 Broad Cove, Scotsville and Gillander Mountain to Richmond county line..... | 12,129            | 12,739     | -            | 465          | -      | -      | 4,592         | 264       | -        | 170                      | 1,360   |
| 23 Total quantity.....                                                        | 23,857            | 13,275     | -            | 4,000        | -      | -      | 4,592         | 1,640     | -        | 170                      | 2,080   |
| 24 Total value.....\$                                                         | 29,234            | 34,201     | -            | 15,764       | -      | -      | 59,699        | 7,783     | -        | 119                      | 1,000   |
| 25 Cumberland County—                                                         |                   |            |              |              |        |        |               |           |          |                          |         |
| 26 New Brunswick line to Lewis Head.....                                      | -                 | -          | -            | -            | -      | -      | -             | -         | -        | -                        | -       |
| 27 Lewis Head to Colchester county line.....                                  | -                 | -          | -            | -            | -      | -      | -             | -         | -        | -                        | -       |
| 28 Bay of Fundy.....                                                          | 62                | 4          | -            | 29           | -      | -      | -             | -         | -        | -                        | -       |
| 29 Total quantity.....                                                        | 62                | 4          | -            | 29           | -      | -      | -             | -         | -        | -                        | -       |
| 30 Total value.....\$                                                         | 248               | 24         | -            | 232          | -      | -      | -             | -         | -        | -                        | -       |
| 31 Colchester County—                                                         |                   |            |              |              |        |        |               |           |          |                          |         |
| 32 Strait of Northumberland.....                                              | -                 | -          | -            | -            | -      | -      | -             | -         | -        | -                        | -       |
| 33 Hants county line to Salmon River.....                                     | -                 | -          | -            | -            | -      | -      | -             | -         | -        | -                        | -       |
| 34 Salmon River to Cumberland county line.....                                | 62                | 22         | 20           | -            | -      | -      | -             | -         | -        | -                        | -       |
| 35 Total quantity.....                                                        | 62                | 22         | 20           | -            | -      | -      | -             | -         | -        | -                        | -       |
| 36 Total value.....\$                                                         | 310               | 154        | 400          | -            | -      | -      | -             | -         | -        | -                        | -       |
| 37 Pictou County—                                                             |                   |            |              |              |        |        |               |           |          |                          |         |
| 38 Colchester county line to Pictou Harbour.....                              | -                 | -          | -            | -            | -      | -      | -             | -         | -        | -                        | -       |
| 39 Pictou Harbour to Antigonish county line, including Pictou Island.....     | 153               | 51         | -            | -            | -      | -      | -             | 34        | -        | -                        | -       |
| 40 Total quantity.....                                                        | 153               | 51         | -            | -            | -      | -      | -             | 34        | -        | -                        | -       |
| 41 Total value.....\$                                                         | 281               | 204        | -            | -            | -      | -      | -             | 238       | -        | -                        | -       |
| 42 Antigonish County (all)—                                                   |                   |            |              |              |        |        |               |           |          |                          |         |
| 43 Total quantity.....                                                        | 1,750             | 330        | -            | 440          | -      | -      | -             | 180       | -        | -                        | -       |
| 44 Total value.....\$                                                         | 2,625             | 412        | -            | 1,320        | -      | -      | -             | 1,260     | -        | -                        | -       |



## FISHERIES STATISTICS

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## I. Fish Caught and Marketed, 1927—con.

| Haddock           |            |               |        |         |                |              |        | Hake and Cusk     |            |               |              |                |        |          |  |
|-------------------|------------|---------------|--------|---------|----------------|--------------|--------|-------------------|------------|---------------|--------------|----------------|--------|----------|--|
| Caught and landed | Marketed   |               |        |         |                |              |        | Caught and landed | Marketed   |               |              |                |        |          |  |
|                   | Used fresh | Fresh fillets | Canned | Smoked  | Smoked fillets | Green-salted | Dried  |                   | Used fresh | Fresh fillets | Green-salted | Smoked fillets | Dried  | Boneless |  |
| cwt.              | cwt.       | cwt.          | cases  | cwt.    | cwt.           | cwt.         | cwt.   | cwt.              | cwt.       | cwt.          | cwt.         | cwt.           | cwt.   | cwt.     |  |
| 384,207           | 134,848    | 21,366        | 10,969 | 37,782  | 17,928         | 2,896        | 14,475 | 119,431           | 5,845      | 650           | 22,306       | 2,448          | 18,315 | 1,096    |  |
| 660,669           | 511,390    | 235,144       | 74,856 | 303,238 | 206,899        | 9,478        | 61,130 | 98,541            | 9,186      | 4,006         | 41,121       | 21,927         | 71,032 | 6,580    |  |
| 7,972             | 26         | -             | -      | -       | -              | -            | 425    | -                 | -          | -             | -            | -              | -      | 3        |  |
| 5,048             | 112        | -             | -      | -       | -              | -            | 263    | -                 | -          | -             | -            | -              | -      | 4        |  |
| 13,020            | 138        | -             | -      | -       | -              | -            | 688    | -                 | -          | -             | -            | -              | -      | 5        |  |
| 17,372            | 302        | -             | -      | -       | -              | -            | 3,179  | -                 | -          | -             | -            | -              | -      | 6        |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 7        |  |
| 52                | 10         | -             | -      | -       | -              | -            | 14     | -                 | -          | -             | -            | -              | -      | 8        |  |
| 6,836             | 1,793      | -             | -      | 192     | -              | 132          | -      | -                 | -          | -             | -            | -              | -      | 9        |  |
| 6,888             | 1,803      | -             | -      | 192     | -              | 132          | 14     | -                 | -          | -             | -            | -              | -      | 10       |  |
| 13,724            | 8,985      | -             | -      | 1,920   | -              | 792          | 70     | -                 | -          | -             | -            | -              | -      | 11       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 12       |  |
| 21,456            | 6,420      | -             | -      | -       | -              | -            | 3,947  | 8                 | -          | -             | -            | -              | -      | 13       |  |
| 12,022            | 651        | -             | -      | -       | -              | -            | 1,391  | 23                | 23         | -             | -            | -              | -      | 14       |  |
| 33,478            | 7,071      | -             | -      | -       | -              | -            | 5,338  | 31                | 23         | -             | -            | -              | -      | 15       |  |
| 32,330            | 12,376     | -             | -      | -       | -              | -            | 21,943 | 35                | 17         | -             | -            | -              | -      | 16       |  |
| 280               | 172        | -             | -      | -       | -              | 15           | 26     | 47                | 28         | -             | 2            | -              | 5      | 17       |  |
| 14,678            | 18,354     | -             | -      | 2,504   | -              | 72           | -      | 3,585             | 3,505      | -             | 30           | -              | 5      | 18       |  |
| 14,958            | 18,526     | -             | -      | 2,504   | -              | 87           | 26     | 3,632             | 3,533      | -             | 32           | -              | 10     | 19       |  |
| 22,333            | 62,448     | -             | -      | 20,022  | -              | 344          | 104    | 3,434             | 4,221      | -             | 96           | -              | 42     | 20       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 21       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 22       |  |
| 29                | 17         | -             | -      | -       | -              | 6            | -      | -                 | -          | -             | -            | -              | -      | 23       |  |
| 29                | 17         | -             | -      | -       | -              | 6            | -      | -                 | -          | -             | -            | -              | -      | 24       |  |
| 145               | 136        | -             | -      | -       | -              | 54           | -      | -                 | -          | -             | -            | -              | -      | 25       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 26       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 27       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 28       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 29       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 30       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | -                 | -          | -             | -            | -              | -      | 31       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | 343               | 10         | -             | -            | -              | 111    | 32       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | 343               | 10         | -             | -            | -              | 111    | 33       |  |
| -                 | -          | -             | -      | -       | -              | -            | -      | 353               | 40         | -             | -            | -              | 666    | 34       |  |
| 400               | 170        | -             | -      | -       | -              | 115          | -      | 2,770             | 95         | -             | 950          | -              | 258    | 35       |  |
| 700               | 510        | -             | -      | -       | -              | 345          | -      | 2,770             | 95         | -             | 2,850        | -              | 1,548  | 36       |  |

## FISHERIES STATISTICS

### I. Fish Caught and Marketed, 1927—con.

[illegible]

## I. Fish Caught and Marketed, 1927—con.

| Flounders,<br>Brill, Plaice,<br>etc. |               | Skate                   |               | Soles                   |               |                 | Herring                 |               |               |             |             |                     |              |                    |                 |        |    |
|--------------------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-----------------|-------------------------|---------------|---------------|-------------|-------------|---------------------|--------------|--------------------|-----------------|--------|----|
| Caught<br>and<br>landed              | Mar-<br>keted | Caught<br>and<br>landed | Mar-<br>keted | Caught<br>and<br>landed | Marketed      |                 | Caught<br>and<br>landed | Marketed      |               |             |             |                     |              |                    |                 |        |    |
|                                      | Used<br>fresh |                         | Used<br>fresh |                         | Used<br>fresh | resh<br>fillets |                         | Used<br>fresh | Bone-<br>less | Can-<br>ned | Smok-<br>ed | Dry-<br>salt-<br>ed | Pic-<br>kled | Used<br>as<br>bait | Fert-<br>ilizer | Meal   |    |
| cwt.                                 | cwt.          | cwt.                    | cwt.          | cwt.                    | cwt.          | cwt.            | cwt.                    | cwt.          | cwt.          | cases       | cwt.        | cwt.                | ddl.         | ddl.               | ddl.            | ton    |    |
| 8,195                                | 8,195         | 7,045                   | 7,045         | 12,437                  | 10,151        | 762             | 214,560                 | 68,958        | 4             | 260         | 18,619      | 35                  | 15,405       | 14,852             | 278             | 277    | 1  |
| 13,673                               | 39,982        | 7,041                   | 20,486        | 19,695                  | 45,748        | 15,970          | 225,175                 | 178,956       | 48            | 1,872       | 101,410     | 246                 | 33,949       | 99,123             | 418             | 16,356 | 2  |
| -                                    | -             | -                       | -             | -                       | -             | -               | 7,517                   | -             | -             | -           | -           | -                   | 350          | 180                | -               | -      | 3  |
| -                                    | -             | -                       | -             | -                       | -             | -               | 204                     | -             | -             | -           | -           | -                   | 68           | -                  | -               | -      | 4  |
| -                                    | -             | -                       | -             | -                       | -             | -               | 7,721                   | -             | -             | -           | -           | -                   | 418          | 180                | -               | -      | 5  |
| -                                    | -             | -                       | -             | -                       | -             | -               | 7,282                   | -             | -             | -           | -           | -                   | 3,160        | 360                | -               | -      | 6  |
| -                                    | -             | -                       | -             | -                       | -             | -               | 291                     | -             | -             | -           | -           | -                   | 97           | -                  | -               | -      | 7  |
| -                                    | -             | -                       | -             | -                       | -             | -               | 1,320                   | 6             | -             | -           | -           | -                   | 106          | 498                | -               | -      | 8  |
| -                                    | -             | -                       | -             | -                       | -             | -               | 8,210                   | 530           | -             | -           | -           | -                   | -            | 3,327              | -               | -      | 9  |
| -                                    | -             | -                       | -             | -                       | -             | -               | 9,821                   | 536           | -             | -           | -           | -                   | 203          | 3,825              | -               | -      | 10 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 10,577                  | 1,088         | -             | -           | -           | -                   | 1,924        | 10,529             | -               | -      | 11 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 3,368                   | -             | -             | -           | -           | -                   | 19           | 1,655              | -               | -      | 12 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 100                     | -             | -             | -           | -           | -                   | -            | 50                 | -               | -      | 13 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 100                     | -             | -             | -           | -           | -                   | -            | 50                 | -               | -      | 14 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 3,569                   | -             | -             | -           | -           | -                   | 19           | 1,755              | -               | -      | 15 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 2,839                   | -             | -             | -           | -           | -                   | 157          | 5,265              | -               | -      | 16 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 2,120                   | 2,020         | -             | -           | -           | -                   | -            | 50                 | -               | -      | 17 |
| 1,846                                | 1,846         | 34                      | 47            | -                       | -             | -               | 3,373                   | 3,714         | -             | -           | 788         | -                   | 25           | 1,311              | 138             | -      | 18 |
| 1,846                                | 1,846         | 34                      | 47            | -                       | -             | -               | 5,493                   | 5,734         | -             | -           | 788         | -                   | 25           | 1,361              | 138             | -      | 19 |
| 2,404                                | 9,227         | 30                      | 142           | -                       | -             | -               | 7,081                   | 12,362        | -             | -           | 5,516       | -                   | 200          | 2,522              | 138             | -      | 20 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 1,609                   | 9             | -             | -           | 800         | -                   | -            | -                  | -               | -      | 21 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 1,000                   | -             | -             | -           | 800         | -                   | -            | 500                | -               | -      | 22 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 260                     | 97            | -             | -           | -           | -                   | 3            | 80                 | -               | -      | 23 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 2,875                   | 106           | -             | -           | 1,600       | -                   | 3            | 580                | -               | -      | 24 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 2,350                   | 309           | -             | -           | 4,575       | -                   | 30           | 1,820              | -               | -      | 25 |
| -                                    | -             | -                       | -             | -                       | -             | -               | -                       | -             | -             | -           | -           | -                   | -            | -                  | -               | -      | 26 |
| -                                    | -             | -                       | -             | -                       | -             | -               | -                       | -             | -             | -           | -           | -                   | -            | -                  | -               | -      | 27 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 96                      | 64            | -             | -           | -           | -                   | -            | 16                 | -               | -      | 28 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 96                      | 64            | -             | -           | -           | -                   | -            | 16                 | -               | -      | 29 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 192                     | 192           | -             | -           | -           | -                   | -            | 64                 | -               | -      | 30 |
| -                                    | -             | -                       | -             | -                       | -             | -               | 30                      | 30            | -             | -           | -           | -                   | -            | -                  | -               | -      | 31 |
| 20                                   | 20            | -                       | -             | -                       | -             | -               | 1,215                   | 230           | -             | -           | -           | -                   | 94           | 350                | -               | -      | 32 |
| 20                                   | 20            | -                       | -             | -                       | -             | -               | 1,245                   | 260           | -             | -           | -           | -                   | 94           | 350                | -               | -      | 33 |
| 40                                   | 100           | -                       | -             | -                       | -             | -               | 1,125                   | 765           | -             | -           | -           | -                   | 658          | 1,050              | -               | -      | 34 |
| 240                                  | 240           | -                       | -             | -                       | -             | -               | 6,593                   | 250           | -             | -           | -           | -                   | 120          | 2,795              | -               | -      | 35 |
| 240                                  | 360           | -                       | -             | -                       | -             | -               | 9,260                   | 375           | -             | -           | -           | -                   | 960          | 8,385              | -               | -      | 36 |

## I. Fish Caught and Marketed, 1927—con.

|    | Fishing Districts                                                          | Mackerel          |            |        |         |              | Bass              |          |
|----|----------------------------------------------------------------------------|-------------------|------------|--------|---------|--------------|-------------------|----------|
|    |                                                                            | Caught and landed | Marketed   |        |         |              | Caught and landed | Marketed |
|    |                                                                            |                   | Used fresh | Smoked | Salted  | Used as bait |                   |          |
|    | Nova Scotia—con.                                                           | cwt.              | cwt.       | cwt.   | bbl.    | bbl.         | cwt.              | cwt.     |
| 1  | Totals for Province—Quantity.....                                          | 72,306            | 22,555     | 37     | 16,611  | 25           | 64                | 64       |
| 2  | Value.....\$                                                               | 236,796           | 152,532    | 424    | 185,820 | 75           | 565               | 705      |
| 3  | Richmond County—                                                           |                   |            |        |         |              |                   |          |
| 4  | Inverness county line to St. Peter's canal, including Ile Madame.....      | 3,157             | 5          | —      | 825     | —            | —                 | —        |
| 5  | St. Peter's canal to Cape Breton county line.....                          | 12,054            | 24         | —      | 4,000   | —            | —                 | —        |
| 6  | Total quantity.....                                                        | 15,211            | 29         | —      | 4,825   | —            | —                 | —        |
| 7  | Total value.....\$                                                         | 27,285            | 79         | —      | 40,250  | —            | —                 | —        |
| 8  | Cape Breton County—                                                        |                   |            |        |         |              |                   |          |
| 9  | Richmond county line to White Point and head of East Bay.....              | 2,400             | —          | —      | 800     | —            | —                 | —        |
| 10 | White Point to Bridgeport.....                                             | 3,845             | 332        | —      | 1,171   | —            | —                 | —        |
| 11 | Bridgeport and head of East Bay to Victoria county line.....               | 27                | 27         | —      | —       | —            | —                 | —        |
| 12 | Total quantity.....                                                        | 6,272             | 359        | —      | 1,971   | —            | —                 | —        |
| 13 | Total value.....\$                                                         | 14,574            | 1,795      | —      | 18,720  | —            | —                 | —        |
| 14 | Victoria County—                                                           |                   |            |        |         |              |                   |          |
| 15 | South of Path End.....                                                     | 487               | 140        | —      | 115     | —            | —                 | —        |
| 16 | Path End to Green Cove.....                                                | 1,942             | 662        | —      | 426     | —            | —                 | —        |
| 17 | Green Cove to Inverness county line.....                                   | 355               | —          | —      | 118     | —            | —                 | —        |
| 18 | Total quantity.....                                                        | 2,784             | 802        | —      | 659     | —            | —                 | —        |
| 19 | Total value.....\$                                                         | 4,801             | 1,935      | —      | 5,764   | —            | —                 | —        |
| 20 | Inverness County—                                                          |                   |            |        |         |              |                   |          |
| 21 | North of Broad Cove, Scotsville and Gillander Mountain.....                | 5,267             | 435        | —      | 1,644   | —            | —                 | —        |
| 22 | Broad Cove, Scotsville and Gillander Mountain to Richmond county line..... | 198               | 496        | —      | 249     | —            | —                 | —        |
| 23 | Total quantity.....                                                        | 5,565             | 931        | —      | 1,893   | —            | —                 | —        |
| 24 | Total value.....\$                                                         | 27,363            | 5,910      | —      | 47,972  | —            | —                 | —        |
| 25 | Cumberland County—                                                         |                   |            |        |         |              |                   |          |
| 26 | New Brunswick line to Lewis Head.....                                      | 45                | 45         | —      | —       | —            | —                 | —        |
| 27 | Lewis Head to Colchester county line.....                                  | 40                | 40         | —      | —       | —            | —                 | —        |
| 28 | Bay of Fundy.....                                                          | —                 | —          | —      | —       | —            | —                 | —        |
| 29 | Total quantity.....                                                        | 85                | 85         | —      | —       | —            | —                 | —        |
| 30 | Total value.....\$                                                         | 625               | 1,050      | —      | —       | —            | —                 | —        |
| 31 | Colchester County—                                                         |                   |            |        |         |              |                   |          |
| 32 | Strait of Northumberland.....                                              | —                 | —          | —      | —       | —            | —                 | —        |
| 33 | Hants county line to Salmon River.....                                     | —                 | —          | —      | —       | —            | 2                 | 2        |
| 34 | Salmon River to Cumberland county line.....                                | —                 | —          | —      | —       | —            | —                 | —        |
| 35 | Total quantity.....                                                        | —                 | —          | —      | —       | —            | 2                 | 2        |
| 36 | Total value.....\$                                                         | —                 | —          | —      | —       | —            | 30                | 40       |
| 37 | Pictou County—                                                             |                   |            |        |         |              |                   |          |
| 38 | Colchester county line to Pictou Harbour.....                              | 2                 | 2          | —      | —       | —            | —                 | —        |
| 39 | Pictou Harbour to Antigonish county line, including Pictou Island.....     | 305               | 305        | —      | —       | —            | —                 | —        |
| 40 | Total quantity.....                                                        | 307               | 307        | —      | —       | —            | —                 | —        |
| 41 | Total value.....\$                                                         | 2,727             | 3,685      | —      | —       | —            | —                 | —        |
| 42 | Antigonish County (all)—                                                   |                   |            |        |         |              |                   |          |
| 43 | Total quantity.....                                                        | 223               | 223        | —      | —       | —            | 20                | 20       |
| 44 | Total value.....\$                                                         | 1,342             | 1,784      | —      | —       | —            | 100               | 200      |

## I. Fish Caught and Marketed, 1927—con.

| Alewives          |            |        |        | Salmon            |            |        |        | Shad              |            |        | Smelts            |          |
|-------------------|------------|--------|--------|-------------------|------------|--------|--------|-------------------|------------|--------|-------------------|----------|
| Caught and landed | Marketed   |        |        | Caught and landed | Marketed   |        |        | Caught and landed | Marketed   |        | Caught and landed | Marketed |
|                   | Used fresh | Smoked | Salted |                   | Used fresh | Canned | Smoked |                   | Used fresh | Salted |                   |          |
| cwt.              | cwt.       | cwt.   | bbl.   | cwt.              | cwt.       | cases  | cwt.   | cwt.              | cwt.       | bbl.   | cwt.              | cwt.     |
| 14,681            | 6,331      | 984    | 2,127  | 12,819            | 12,100     | 575    | 139    | 280               | 220        | 20     | 7,110             | 7,110    |
| 14,276            | 9,369      | 2,788  | 9,078  | 181,583           | 222,323    | 6,645  | 4,221  | 3,071             | 3,409      | 600    | 77,679            | 124,653  |
| -                 | -          | -      | -      | 20                | 20         | -      | -      | -                 | -          | -      | 758               | 202      |
| -                 | -          | -      | -      | 278               | 220        | -      | -      | 6                 | -          | -      | 43                | 13       |
| -                 | -          | -      | -      | 298               | 240        | -      | -      | 6                 | -          | -      | 801               | 215      |
| -                 | -          | -      | -      | 4,192             | 3,581      | -      | -      | 60                | -          | -      | 8,027             | 2,554    |
| -                 | -          | -      | -      | -                 | -          | -      | -      | -                 | -          | -      | -                 | -        |
| -                 | -          | -      | -      | 486               | 486        | -      | -      | -                 | -          | -      | 117               | 117      |
| -                 | -          | -      | -      | -                 | -          | -      | -      | -                 | -          | -      | 164               | 164      |
| -                 | -          | -      | -      | 1,001             | 1,083      | -      | -      | -                 | -          | -      | 72                | 69       |
| -                 | -          | -      | -      | 1,487             | 1,569      | -      | -      | -                 | -          | -      | 353               | 350      |
| -                 | -          | -      | -      | 20,847            | 26,373     | -      | -      | -                 | -          | -      | 3,162             | 3,590    |
| -                 | -          | -      | -      | 300               | 300        | -      | -      | -                 | -          | -      | 52                | -        |
| -                 | -          | -      | -      | 192               | 120        | -      | -      | -                 | -          | -      | 12                | -        |
| -                 | -          | -      | -      | 224               | 224        | -      | -      | -                 | -          | -      | -                 | -        |
| -                 | -          | -      | -      | 716               | 644        | -      | -      | -                 | -          | -      | 64                | -        |
| -                 | -          | -      | -      | 8,660             | 9,680      | -      | -      | -                 | -          | -      | 565               | -        |
| 880               | 775        | -      | 35     | 2,010             | 1,590      | 500    | -      | -                 | -          | -      | 95                | 52       |
| -                 | -          | -      | -      | 386               | 430        | 75     | 10     | -                 | 6          | -      | 414               | 1,153    |
| 880               | 775        | -      | 35     | 2,396             | 2,020      | 575    | 10     | -                 | 6          | -      | 509               | 1,205    |
| 880               | 775        | -      | 175    | 29,811            | 31,857     | 6,645  | 300    | -                 | 58         | -      | 5,584             | 20,283   |
| -                 | -          | -      | -      | 21                | 21         | -      | -      | 119               | 59         | 20     | 231               | 231      |
| 1,200             | 400        | 400    | -      | 23                | 23         | -      | -      | -                 | -          | -      | 600               | 597      |
| -                 | -          | -      | -      | 16                | 16         | -      | -      | -                 | -          | -      | -                 | 23       |
| 1,200             | 440        | 400    | -      | 60                | 60         | -      | -      | 119               | 59         | 20     | 831               | 828      |
| 600               | 400        | 1,200  | -      | 1,035             | 1,606      | -      | -      | 1,190             | 1,003      | 600    | 8,310             | 16,098   |
| -                 | -          | -      | -      | -                 | -          | -      | -      | -                 | -          | -      | 127               | 127      |
| 410               | 410        | -      | -      | 28                | 28         | -      | -      | 34                | 34         | -      | -                 | 27       |
| -                 | -          | -      | -      | 257               | 257        | -      | -      | 18                | 18         | -      | -                 | 28       |
| 410               | 410        | -      | -      | 285               | 285        | -      | -      | 52                | 52         | -      | 127               | 127      |
| 590               | 1,025      | -      | -      | 3,763             | 5,094      | -      | -      | 692               | 896        | -      | 1,110             | 1,905    |
| -                 | -          | -      | -      | 7                 | 7          | -      | -      | -                 | -          | -      | 971               | 866      |
| -                 | -          | -      | -      | 791               | 791        | -      | -      | -                 | -          | -      | 794               | 794      |
| -                 | -          | -      | -      | 798               | 798        | -      | -      | -                 | -          | -      | 1,765             | 1,660    |
| -                 | -          | -      | -      | 10,735            | 14,413     | -      | -      | -                 | -          | -      | 16,241            | 27,282   |
| 600               | 600        | -      | -      | 2,523             | 2,490      | -      | -      | 19                | 19         | -      | 985               | 692      |
| 600               | 900        | -      | -      | 33,843            | 49,800     | -      | -      | 174               | 228        | -      | 12,209            | 13,860   |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                                                          | Sturgeon          |                     | Trout             |                     | Albacore          |                     | Eels              |                     | Grey fish         |
|----------------------------------------------------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|                                                                            | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed |
| <b>Nova Scotia—con.</b>                                                    | cwt.              | cwt.                | cwt.              | cwt.                | cwt.              | cwt.                | cwt.              | cwt.                | cwt.              |
| 1 <b>Totals for Province—Quantity.....</b>                                 | 10                | 10                  | 1,022             | 1,022               | 3,362             | 3,362               | 798               | 798                 | 63,231            |
| 2 <b>Value.....\$</b>                                                      | 85                | 191                 | 17,771            | 19,457              | 18,122            | 25,941              | 7,483             | 9,386               | 4,075             |
| 3 <b>Richmond County—</b>                                                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 4 Inverness county line to St. Peter's canal, including Ile Madame.....    | -                 | -                   | -                 | -                   | 87                | 87                  | -                 | -                   | -                 |
| 5 St. Peter's canal to Cape Breton county line.....                        | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 6 <b>Total quantity.....</b>                                               | -                 | -                   | -                 | -                   | 87                | 87                  | -                 | -                   | -                 |
| 7 <b>Total value.....\$</b>                                                | -                 | -                   | -                 | -                   | 174               | 174                 | -                 | -                   | -                 |
| 8 <b>Cape Breton County—</b>                                               |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 9 Richmond county line to White Point and head of East Bay.....            | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 10 White Point to Bridgeport.....                                          | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 11 Bridgeport and head of East Bay to Victoria county line.....            | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 12 <b>Total quantity.....</b>                                              | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 13 <b>Total value.....\$</b>                                               | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 14 <b>Victoria County—</b>                                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 15 South of Path End.....                                                  | -                 | -                   | 37                | 37                  | -                 | -                   | -                 | -                   | -                 |
| 16 Path End to Green Cove.....                                             | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 17 Green Cove to Inverness county line..                                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 18 <b>Total quantity.....</b>                                              | -                 | -                   | 37                | 37                  | -                 | -                   | -                 | -                   | -                 |
| 19 <b>Total value.....\$</b>                                               | -                 | -                   | 1,110             | 1,200               | -                 | -                   | -                 | -                   | -                 |
| 20 <b>Inverness County—</b>                                                |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 21 North of Broad Cove, Scotsville and Gillander Mountain.....             | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 22 Broad Cove, Scotsville and Gillander Mountain to Richmond county line.. | -                 | -                   | 35                | 35                  | -                 | -                   | -                 | -                   | -                 |
| 23 <b>Total quantity.....</b>                                              | -                 | -                   | 35                | 35                  | -                 | -                   | -                 | -                   | -                 |
| 24 <b>Total value.....\$</b>                                               | -                 | -                   | 525               | 525                 | -                 | -                   | -                 | -                   | -                 |
| 25 <b>Cumberland County—</b>                                               |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 26 New Brunswick line to Lewis Head..                                      | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 27 Lewis Head to Colchester county line..                                  | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 28 Bay of Fundy.....                                                       | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 29 <b>Total quantity.....</b>                                              | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 30 <b>Total value.....\$</b>                                               | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 31 <b>Colchester County—</b>                                               |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 32 Strait of Northumberland.....                                           | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 33 Hants county line to Salmon river....                                   | -                 | -                   | 46                | 46                  | -                 | -                   | -                 | -                   | -                 |
| 34 Salmon River to Cumberland county line.....                             | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 35 <b>Total quantity.....</b>                                              | -                 | -                   | 46                | 46                  | -                 | -                   | -                 | -                   | -                 |
| 36 <b>Total value.....\$</b>                                               | -                 | -                   | 920               | 1,380               | -                 | -                   | -                 | -                   | -                 |
| 37 <b>Pictou County—</b>                                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 38 Colchester county line to Pictou Harbour.....                           | -                 | -                   | -                 | -                   | -                 | -                   | -                 | -                   | -                 |
| 39 Pictou Harbour to Antigonish county line, including Pictou Island.....  | -                 | -                   | 6                 | 6                   | -                 | -                   | 67                | 67                  | -                 |
| 40 <b>Total quantity.....</b>                                              | -                 | -                   | 6                 | 6                   | -                 | -                   | 67                | 67                  | -                 |
| 41 <b>Total value.....\$</b>                                               | -                 | -                   | 72                | 90                  | -                 | -                   | 538               | 938                 | -                 |
| 42 <b>Antigonish County (all)—</b>                                         |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 43 <b>Total quantity.....</b>                                              | -                 | -                   | 33                | 33                  | -                 | -                   | 10                | 10                  | 300               |
| 44 <b>Total value.....\$</b>                                               | -                 | -                   | 396               | 495                 | -                 | -                   | 120               | 150                 | 75                |

<sup>1</sup>Used in the manufacture of fish oil and meal.

## I. Fish Caught and Marketed, 1927—con.

| Squid             |              | Swordfish         |            | Tom Cod           |            | Mixed Fish        |            | Clams and Quahaugs |            |        |
|-------------------|--------------|-------------------|------------|-------------------|------------|-------------------|------------|--------------------|------------|--------|
| Caught and landed | Marketed     | Caught and landed | Marketed   | Caught and landed | Marketed   | Caught and landed | Marketed   | Caught and landed  | Marketed   |        |
|                   | Used as bait |                   | Used fresh |                   | Used fresh |                   | Used fresh |                    | Used fresh | Canned |
| bbl.              | bbl.         | cwt.              | cwt.       | cwt.              | cwt.       | cwt.              | cwt.       | bbl.               | bbl.       | cases  |
| 1,974             | 1,974        | 7,299             | 7,299      | 152               | 152        | 562               | 562        | 7,242              | 3,692      | 3,579  |
| 6,055             | 8,488        | 88,090            | 120,692    | 187               | 207        | 401               | 401        | 11,477             | 11,716     | 20,176 |
| 6                 | 2            | 126               | 14         | -                 | -          | -                 | -          | -                  | -          | -      |
| 10                | 10           | 30                | 30         | -                 | -          | -                 | -          | -                  | -          | -      |
| 16                | 12           | 156               | 44         | -                 | -          | -                 | -          | -                  | -          | -      |
| 51                | 48           | 1,976             | 660        | -                 | -          | -                 | -          | -                  | -          | -      |
| 20                | 20           | 50                | 50         | -                 | -          | -                 | -          | -                  | -          | -      |
| -                 | -            | 4,517             | 4,517      | -                 | -          | -                 | -          | -                  | -          | -      |
| 40                | 40           | 592               | 514        | -                 | -          | -                 | -          | -                  | -          | -      |
| 60                | 60           | 5,159             | 5,081      | -                 | -          | -                 | -          | -                  | -          | -      |
| 110               | 235          | 64,076            | 81,923     | -                 | -          | -                 | -          | -                  | -          | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| 8                 | 8            | 49                | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| 4                 | 4            | 12                | 12         | -                 | -          | -                 | -          | -                  | -          | -      |
| 12                | 12           | 61                | 12         | -                 | -          | -                 | -          | -                  | -          | -      |
| 108               | 144          | 549               | 144        | -                 | -          | -                 | -          | -                  | -          | -      |
| 420               | 420          | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| 176               | 176          | -                 | 299        | -                 | -          | -                 | -          | -                  | -          | -      |
| 596               | 596          | -                 | 299        | -                 | -          | -                 | -          | -                  | -          | -      |
| 2,358             | 2,550        | -                 | 3,807      | -                 | -          | -                 | -          | -                  | -          | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | 15                 | 15         | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | 15                 | 15         | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | 60                 | 90         | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | 12                 | 12         | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | 12                 | 12         | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | 48                 | 72         | -      |
| -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| 20                | 20           | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| 20                | 20           | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| 40                | 80           | -                 | -          | -                 | -          | -                 | -          | -                  | -          | -      |
| 162               | 162          | -                 | -          | 20                | 20         | -                 | -          | -                  | -          | -      |
| 324               | 486          | -                 | -          | 20                | 40         | -                 | -          | -                  | -          | -      |

## I. Fish Caught and Marketed, 1927—con.

|    | Fishing Districts                                                          | Lobsters          |                  |       |           |           | Oysters           |                     | Scallops          |          |        |
|----|----------------------------------------------------------------------------|-------------------|------------------|-------|-----------|-----------|-------------------|---------------------|-------------------|----------|--------|
|    |                                                                            | Caught and landed | Marketed         |       |           |           | Caught and landed | Marketed Used fresh | Caught and landed | Marketed |        |
|    |                                                                            |                   | Shipped in shell | Meat  | Canned    | Tom-alley |                   |                     |                   | Shelled  | Canned |
|    | Nova Scotia—con.                                                           | cwt.              | cwt.             | cwt.  | cases     | cases     | bbl.              | bbl.                | bbl.              | gal.     | cases  |
| 1  | Totals for Province—Quantity...                                            | 179,673           | 67,751           | 54    | 55,771    | 2,536     | 1,817             | 1,817               | 37,607            | 74,100   | 249    |
| 2  | Value.....\$                                                               | 2,433,107         | 1,492,350        | 4,334 | 1,727,105 | 31,838    | 10,552            | 16,109              | 203,809           | 207,858  | 4,980  |
| 3  | Richmond County—                                                           |                   |                  |       |           |           |                   |                     |                   |          |        |
| 4  | Inverness county line to St. Peter's canal, including Ile Madame...        | 5,190             | 230              | —     | 2,037     | 71        | —                 | —                   | —                 | —        | —      |
| 5  | St. Peter's canal to Cape Breton county line.....                          | 3,385             | 1,865            | —     | 769       | 96        | 20                | 20                  | —                 | —        | —      |
| 6  | Total quantity.....                                                        | 8,575             | 2,095            | —     | 2,806     | 167       | 20                | 20                  | —                 | —        | —      |
| 7  | Total value.....\$                                                         | 76,172            | 23,240           | —     | 85,352    | 1,938     | 120               | 140                 | —                 | —        | —      |
| 8  | Cape Breton County—                                                        |                   |                  |       |           |           |                   |                     |                   |          |        |
| 9  | Richmond county line to White Point and head of East Bay...                | 1,750             | 75               | —     | 837       | 82        | —                 | —                   | —                 | —        | —      |
| 10 | White Point to Bridgeport.....                                             | 5,247             | 27               | —     | 2,609     | 141       | —                 | —                   | —                 | —        | —      |
| 11 | Bridgeport and head of East Bay to Victoria county line.....               | 5,114             | 76               | —     | 2,519     | 163       | 5                 | 5                   | —                 | —        | —      |
| 12 | Total quantity.....                                                        | 12,111            | 178              | —     | 5,965     | 386       | 5                 | 5                   | —                 | —        | —      |
| 13 | Total value.....\$                                                         | 97,021            | 1,834            | —     | 180,133   | 4,981     | 25                | 25                  | —                 | —        | —      |
| 14 | Victoria County—                                                           |                   |                  |       |           |           |                   |                     |                   |          |        |
| 15 | South of Path End.....                                                     | 2,659             | —                | —     | 1,329     | 107       | 497               | 497                 | —                 | —        | —      |
| 16 | Path End to Green Cove.....                                                | 924               | 381              | —     | 271       | —         | —                 | —                   | —                 | —        | —      |
| 17 | Green Cove to Inverness county line.....                                   | 3,665             | 766              | —     | —         | —         | —                 | —                   | —                 | —        | —      |
| 18 | Total quantity.....                                                        | 7,248             | 1,147            | —     | 1,600     | 107       | 497               | 497                 | —                 | —        | —      |
| 19 | Total value.....\$                                                         | 57,980            | 11,470           | —     | 62,418    | 1,372     | 2,263             | 4,970               | —                 | —        | —      |
| 20 | Inverness County—                                                          |                   |                  |       |           |           |                   |                     |                   |          |        |
| 21 | North of Broad Cove, Scotsville and Gillander Mountain.....                | 6,045             | 3                | —     | 3,021     | —         | —                 | —                   | —                 | —        | —      |
| 22 | Broad Cove, Scotsville and Gillander Mountain to Richmond county line..... | 8,545             | 1,386            | —     | 2,905     | 104       | 702               | 702                 | —                 | —        | —      |
| 23 | Total quantity.....                                                        | 14,590            | 1,389            | —     | 5,926     | 104       | 702               | 702                 | —                 | —        | —      |
| 24 | Total value.....\$                                                         | 129,855           | 13,896           | —     | 177,678   | 1,130     | 4,172             | 5,212               | —                 | —        | —      |
| 25 | Cumberland County—                                                         |                   |                  |       |           |           |                   |                     |                   |          |        |
| 26 | New Brunswick line to Lewis Head.....                                      | 738               | 206              | —     | 266       | —         | —                 | —                   | —                 | —        | —      |
| 27 | Lewis Head to Colchester county line.....                                  | 3,988             | —                | —     | 1,648     | 124       | 350               | 350                 | —                 | —        | —      |
| 28 | Bay of Fundy.....                                                          | 86                | 86               | —     | —         | —         | —                 | —                   | —                 | —        | —      |
| 29 | Total quantity.....                                                        | 4,812             | 292              | —     | 1,914     | 124       | 350               | 350                 | —                 | —        | —      |
| 30 | Total value.....\$                                                         | 45,252            | 6,384            | —     | 56,196    | 1,566     | 2,100             | 3,500               | —                 | —        | —      |
| 31 | Colchester County—                                                         |                   |                  |       |           |           |                   |                     |                   |          |        |
| 32 | Strait of Northumberland.....                                              | 176               | 17               | —     | 83        | 3         | 90                | 90                  | —                 | —        | —      |
| 33 | Hants county line to Salmon River.....                                     | —                 | —                | —     | —         | —         | —                 | —                   | —                 | —        | —      |
| 34 | Salmon River to Cumberland county line.....                                | —                 | —                | —     | —         | —         | —                 | —                   | —                 | —        | —      |
| 35 | Total quantity.....                                                        | 176               | 17               | —     | 83        | 3         | 90                | 90                  | —                 | —        | —      |
| 36 | Total value.....\$                                                         | 1,760             | 273              | —     | 2,407     | 36        | 630               | 810                 | —                 | —        | —      |
| 37 | Pictou County—                                                             |                   |                  |       |           |           |                   |                     |                   |          |        |
| 38 | Colchester county line to Pictou Harbour.....                              | 6,293             | 1,173            | —     | 4,487     | 482       | 55                | 55                  | —                 | —        | —      |
| 39 | Pictou Harbour to Antigonish county line, including Pictou Island.....     | 7,709             | 291              | —     | 3,142     | 272       | 58                | 58                  | —                 | —        | —      |
| 40 | Total quantity.....                                                        | 14,002            | 1,464            | —     | 7,629     | 754       | 113               | 113                 | —                 | —        | —      |
| 41 | Total value.....\$                                                         | 140,010           | 33,507           | —     | 229,991   | 9,929     | 852               | 1,017               | —                 | —        | —      |
| 42 | Antigonish County (all)—                                                   |                   |                  |       |           |           |                   |                     |                   |          |        |
| 43 | Total quantity.....                                                        | 10,425            | 81               | —     | 5,845     | 284       | 35                | 35                  | —                 | —        | —      |
| 44 | Total value.....\$                                                         | 104,250           | 1,215            | —     | 177,834   | 3,794     | 350               | 385                 | —                 | —        | —      |



### I. Fish Caught and Marketed, 1927—con.

[illegible]

## I. Fish Caught and Marketed, 1927—con.

|    | Fishing Districts                                            | Cod               |            |               |              |        |        |                |           |          |                          |         |
|----|--------------------------------------------------------------|-------------------|------------|---------------|--------------|--------|--------|----------------|-----------|----------|--------------------------|---------|
|    |                                                              | Caught and landed | Marketed   |               |              |        |        |                |           |          | Cod liver oil, medicinal | Cod oil |
|    |                                                              |                   | Used fresh | Fresh fillets | Green-salted | Canned | Smoked | Smoked fillets | Dried     | Boneless |                          |         |
|    | Nova Scotia—con.                                             | cwt.              | cwt.       | cwt.          | cwt.         | cases  | cwt.   | cwt.           | cwt.      | cwt.     | gal.                     | gal.    |
| 1  | Guysborough County—                                          |                   |            |               |              |        |        |                |           |          |                          |         |
| 2  | Antigonish county line to Cape Canso.....                    | 77,205            | 24,678     | —             | 5,628        | 1,657  | 216    | 17,556         | 200       | 1,773    | —                        | 24,000  |
| 3  | Cape Canso to New Harbour.....                               | 9,000             | —          | —             | 212          | —      | —      | —              | —         | —        | —                        | —       |
| 4  | New Harbour to Halifax county line.....                      | 19,263            | —          | —             | 2,998        | —      | —      | —              | 850       | —        | —                        | 2,080   |
| 5  | Total quantity.....                                          | 105,468           | 24,678     | —             | 8,838        | 1,657  | 216    | 17,556         | 1,050     | 1,773    | —                        | 26,080  |
| 6  | Total value.....\$                                           | 200,755           | 111,051    | —             | 36,706       | 14,000 | 1,728  | 208,887        | 5,450     | 17,730   | —                        | 11,056  |
| 7  | Halifax County—                                              |                   |            |               |              |        |        |                |           |          |                          |         |
| 8  | Guysborough county line to East Ship Harbour.....            | 10,000            | 900        | —             | 180          | —      | —      | —              | 2,693     | 165      | —                        | 905     |
| 9  | West Ship Harbour to (but not including) Cole Harbour.....   | 17,360            | 780        | —             | —            | —      | —      | —              | 5,527     | —        | —                        | 1,447   |
| 10 | Cole Harbour to Lunenburg county line.....                   | 77,999            | 20,980     | 7,125         | —            | —      | —      | 20,300         | 1,500     | 844      | —                        | 32,101  |
| 11 | Total quantity.....                                          | 105,359           | 22,660     | 7,125         | 180          | —      | —      | 20,300         | 9,720     | 1,009    | —                        | 34,453  |
| 12 | Total value.....\$                                           | 166,452           | 89,070     | 77,445        | 732          | —      | —      | 260,478        | 59,160    | 10,090   | —                        | 22,035  |
| 13 | Hants County (all)—                                          |                   |            |               |              |        |        |                |           |          |                          |         |
| 14 | Total quantity.....                                          | 22                | 22         | —             | —            | —      | —      | —              | —         | —        | —                        | —       |
| 15 | Total value.....\$                                           | 88                | 176        | —             | —            | —      | —      | —              | —         | —        | —                        | —       |
| 16 | Lunenburg County—                                            |                   |            |               |              |        |        |                |           |          |                          |         |
| 17 | Halifax county line to Mahone Bay.....                       | 25,930            | 700        | —             | 1,701        | —      | —      | —              | 7,275     | —        | —                        | 1,127   |
| 18 | Mahone Bay to Queens county line.....                        | 770,950           | 2,104      | 354           | 13,940       | —      | —      | 2,669          | 242,741   | 3,985    | —                        | 47,000  |
| 19 | Total quantity.....                                          | 796,880           | 2,804      | 354           | 15,641       | —      | —      | 2,669          | 250,016   | 3,985    | —                        | 48,127  |
| 20 | Total value.....\$                                           | 1,549,110         | 10,910     | 3,540         | 60,327       | —      | —      | 30,685         | 1,499,727 | 37,858   | —                        | 14,438  |
| 21 | Queen's County—                                              |                   |            |               |              |        |        |                |           |          |                          |         |
| 22 | Lunenburg county line to Port Medway Harbour.....            | 918               | —          | —             | —            | —      | —      | —              | 306       | —        | —                        | —       |
| 23 | Port Medway Harbour to Shelburne county line.....            | 31,268            | 2,951      | —             | 12,717       | —      | —      | 431            | 220       | 310      | 650                      | 3,455   |
| 24 | Total quantity.....                                          | 32,186            | 2,951      | —             | 12,717       | —      | —      | 431            | 526       | 310      | 650                      | 3,455   |
| 25 | Total value.....\$                                           | 60,581            | 11,804     | —             | 48,517       | —      | —      | 3,017          | 3,091     | 3,182    | 872                      | 1,758   |
| 26 | Shelburne County—                                            |                   |            |               |              |        |        |                |           |          |                          |         |
| 27 | Queens county line to Negro Harbour.....                     | 36,797            | 3,852      | 1,756         | 4,246        | —      | —      | 3,334          | 2,744     | 306      | 3,770                    | 1,211   |
| 28 | Negro Harbour (inclusive) to Yarmouth county line.....       | 37,250            | 1,690      | —             | 9,7          | 21 237 | —      | —              | 204       | 5,273    | —                        | 2,575   |
| 29 | Total quantity.....                                          | 74,047            | 5,542      | 1,756         | 13,967       | 237    | —      | 3,334          | 2,948     | 5,579    | 3,770                    | 3,786   |
| 30 | Total value.....\$                                           | 133,289           | 23,168     | 16,061        | 68,739       | 1,896  | —      | 33,122         | 15,567    | 51,462   | 3,574                    | 2,322   |
| 31 | Yarmouth County (all)—                                       |                   |            |               |              |        |        |                |           |          |                          |         |
| 32 | Total quantity.....                                          | 38,935            | 1,085      | 630           | 3,132        | 37     | —      | 2,059          | 1,181     | 6,835    | —                        | 3,345   |
| 33 | Total value.....\$                                           | 56,705            | 7,640      | 5,460         | 14,300       | 189    | —      | 25,309         | 5,737     | 65,773   | —                        | 1,743   |
| 34 | Digby County—                                                |                   |            |               |              |        |        |                |           |          |                          |         |
| 35 | Yarmouth county line to Weymouth.....                        | 3,793             | 142        | —             | 550          | 50     | —      | —              | 470       | 354      | —                        | —       |
| 36 | Weymouth to Annapolis county line, including Digby Neck..... | 29,267            | 4,343      | 1,310         | 4,091        | 185    | —      | 1,285          | 551       | 2,451    | 49,544                   | 8,301   |
| 37 | Total quantity.....                                          | 33,060            | 4,485      | 1,310         | 4,641        | 235    | —      | 1,285          | 1,021     | 2,805    | 49,544                   | 8,301   |
| 38 | Total value.....\$                                           | 51,219            | 15,184     | 10,770        | 19,634       | 1,595  | —      | 12,866         | 5,662     | 27,537   | 46,061                   | 5,863   |
| 39 | Annapolis County (all)—                                      |                   |            |               |              |        |        |                |           |          |                          |         |
| 40 | Total quantity.....                                          | 3,795             | 2,069      | —             | —            | —      | —      | 2              | 574       | —        | 3,130                    | 3,808   |
| 41 | Total value.....\$                                           | 5,707             | 6,207      | —             | —            | —      | —      | 30             | 3,444     | —        | 2,504                    | 2,534   |
| 42 | Kings County (all)—                                          |                   |            |               |              |        |        |                |           |          |                          |         |
| 43 | Total quantity.....                                          | 997               | 265        | —             | —            | —      | —      | —              | 244       | —        | —                        | —       |
| 44 | Total value.....\$                                           | 1,994             | 530        | —             | —            | —      | —      | —              | 1,464     | —        | —                        | —       |

## I. Fish Caught and Marketed, 1927—con.

| Caught and landed | Haddock    |               |        |        |                |              |        | Hake and Cusk     |            |               |              |                |        |          |
|-------------------|------------|---------------|--------|--------|----------------|--------------|--------|-------------------|------------|---------------|--------------|----------------|--------|----------|
|                   | Marketed   |               |        |        |                |              |        | Caught and landed | Marketed   |               |              |                |        |          |
|                   | Used fresh | Fresh fillets | Canned | Smoked | Smoked fillets | Green-salted | Dried  |                   | Used fresh | Fresh fillets | Green-salted | Smoked fillets | Dried  | Boneless |
| cwt.              | cwt.       | cwt.          | cases  | cwt.   | cwt.           | cwt.         | cwt.   | cwt.              | cwt.       | cwt.          | cwt.         | cwt.           | cwt.   | cwt.     |
| 53,619            | 22,732     | —             | 1,435  | 8,790  | 5,721          | 789          | 160    | 1,203             | 6          | —             | 72           | 353            | —      | —        |
| 1,520             | —          | —             | —      | —      | —              | 12           | —      | 2                 | 2          | —             | —            | —              | —      | —        |
| 1,225             | 25         | —             | —      | —      | —              | —            | 15     | —                 | —          | —             | —            | —              | —      | —        |
| 56,364            | 22,757     | —             | 1,435  | 8,790  | 5,721          | 801          | 175    | 1,205             | 8          | —             | 72           | 353            | —      | —        |
| 125,586           | 113,560    | —             | 12,125 | 71,480 | 57,281         | 3,204        | 1,020  | 1,205             | 12         | —             | 198          | 3,843          | —      | —        |
| 120               | 40         | —             | —      | —      | —              | 10           | 20     | 10                | 10         | —             | —            | —              | —      | —        |
| 301               | 50         | —             | —      | —      | —              | —            | 84     | —                 | —          | —             | —            | —              | —      | —        |
| 134,720           | 47,842     | 19,080        | —      | 10,160 | 9,840          | —            | 200    | 1,063             | 147        | —             | 110          | 167            | 65     | —        |
| 135,141           | 47,932     | 19,080        | —      | 10,160 | 9,840          | 10           | 304    | 1,073             | 157        | —             | 110          | 167            | 65     | —        |
| 229,151           | 192,818    | 212,060       | —      | 90,890 | 127,010        | 25           | 1,720  | 1,136             | 1,085      | —             | 220          | 2,073          | 325    | —        |
| —                 | —          | —             | —      | —      | —              | —            | —      | —                 | —          | —             | —            | —              | —      | —        |
| —                 | —          | —             | —      | —      | —              | —            | —      | —                 | —          | —             | —            | —              | —      | —        |
| 2,445             | 331        | —             | —      | —      | —              | —            | 708    | 60                | —          | —             | —            | —              | 20     | —        |
| 17,430            | 6,580      | 210           | —      | 1,826  | 73             | 400          | 1,850  | 4,256             | 24         | —             | 1,073        | —              | —      | 695      |
| 19,875            | 6,911      | 210           | —      | 1,820  | 73             | 400          | 2,558  | 4,316             | 24         | —             | 1,073        | —              | 20     | 695      |
| 33,383            | 23,744     | 2,310         | —      | 12,742 | 1,095          | 990          | 10,519 | 6,171             | 360        | —             | 2,989        | —              | 90     | 4,170    |
| 72                | —          | —             | —      | —      | —              | —            | 24     | —                 | —          | —             | —            | —              | —      | —        |
| 4,805             | 2,116      | —             | —      | 855    | —              | 360          | 86     | 3,412             | —          | —             | 1,274        | —              | 288    | —        |
| 4,877             | 2,116      | —             | —      | 855    | —              | 360          | 110    | 3,412             | —          | —             | 1,274        | —              | 288    | —        |
| 10,119            | 8,464      | —             | —      | 6,822  | —              | 739          | 499    | 2,950             | —          | —             | 2,181        | —              | 1,090  | —        |
| 15,335            | 3,821      | 492           | —      | 4,734  | —              | —            | 430    | 506               | —          | —             | —            | —              | 177    | —        |
| 5,051             | 1,792      | —             | 358    | 6      | 143            | 622          | 490    | 589               | 123        | —             | —            | —              | 61     | 78       |
| 20,386            | 5,613      | 492           | 358    | 4,740  | 143            | 622          | 920    | 1,095             | 123        | —             | —            | —              | 238    | 78       |
| 42,476            | 21,847     | 4,934         | 2,188  | 35,926 | 1,123          | 2,163        | 4,049  | 1,015             | 158        | —             | —            | —              | 1,010  | 468      |
| 7,770             | 2,690      | —             | 12     | 1,297  | 200            | —            | 649    | 4,997             | 112        | —             | 772          | —              | 791    | 323      |
| 12,341            | 9,613      | —             | 68     | 10,239 | 1,600          | —            | 2,195  | 4,348             | 252        | —             | 5,267        | —              | 3,359  | 1,942    |
| 5,921             | 2,247      | —             | 2,109  | —      | —              | 150          | —      | 12                | —          | —             | —            | —              | —      | —        |
| 62,860            | 15,331     | 1,584         | 7,055  | 7,364  | 1,951          | 213          | 3,495  | 95,558            | 1,714      | 650           | 18,021       | 1,925          | 16,225 | —        |
| 68,781            | 17,578     | 1,584         | 9,164  | 7,364  | 1,951          | 383          | 3,495  | 95,570            | 1,714      | 650           | 18,021       | 1,925          | 16,225 | —        |
| 117,068           | 53,235     | 15,840        | 60,475 | 52,477 | 18,790         | 822          | 14,776 | 74,581            | 2,875      | 4,000         | 27,312       | 15,966         | 61,662 | —        |
| 1,642             | 1,126      | —             | —      | 60     | —              | —            | 132    | 967               | 36         | —             | —            | 3              | 307    | —        |
| 2,745             | 2,252      | —             | —      | 720    | —              | —            | 660    | 494               | 45         | —             | —            | 45             | 1,228  | —        |
| 598               | 400        | —             | —      | —      | —              | —            | 66     | 20                | 10         | —             | 2            | —              | 2      | —        |
| 1,196             | 800        | —             | —      | —      | —              | —            | 396    | 40                | 20         | —             | 8            | —              | 12     | —        |

## I. Fish Caught and Marketed, 1927—con.

|    | Fishing Districts                                            | Catfish           |            | Pollock           |            |              |        | Halibut  |                   |            |        |        |
|----|--------------------------------------------------------------|-------------------|------------|-------------------|------------|--------------|--------|----------|-------------------|------------|--------|--------|
|    |                                                              | Caught and landed | Marketed   | Caught and landed | Marketed   |              |        |          | Caught and landed | Marketed   |        |        |
|    |                                                              |                   | Used fresh |                   | Used fresh | Green-salted | Dried  | Boneless |                   | Used fresh | Canned | Smoked |
|    | Nova Scotia—con.                                             | cwt.              | cwt.       | cwt.              | cwt.       | cwt.         | cwt.   | cwt.     | cwt.              | cases      | cwt.   |        |
| 1  | Guysborough County—                                          |                   |            |                   |            |              |        |          |                   |            |        |        |
| 2  | Antigonish county line to Cape Canso.....                    | -                 | -          | 1,794             | 265        | 634          | -      | 14       | 2,414             | 2,414      | -      |        |
| 3  | Cape Canso to New Harbour.....                               | -                 | -          | 4                 | 4          | -            | -      | -        | 20                | -          | -      |        |
| 4  | New Harbour to Halifax county line.....                      | -                 | -          | 821               | -          | 388          | 11     | -        | 184               | 163        | -      |        |
| 5  | Total quantity.....                                          | -                 | -          | 2,619             | 269        | 1,022        | 11     | 14       | 2,618             | 2,577      | -      |        |
| 6  | Total value.....\$                                           | -                 | -          | 3,018             | 1,064      | 3,166        | 44     | 140      | 26,266            | 50,164     | -      |        |
| 7  | Halifax County—                                              |                   |            |                   |            |              |        |          |                   |            |        |        |
| 8  | Guysborough county line to East Ship Harbour.....            | -                 | -          | 351               | 40         | 5            | 100    | -        | 335               | 335        | -      |        |
| 9  | West Ship Harbour to, (but not including) Cole Harbour.....  | -                 | -          | 450               | 50         | -            | 133    | -        | 400               | 400        | -      |        |
| 10 | Cole Harbour to Lunenburg county line.....                   | 1,103             | 1,103      | 4,760             | 1,010      | 1,830        | 30     | -        | 3,885             | 3,753      | -      |        |
| 11 | Total quantity.....                                          | 1,103             | 1,103      | 5,561             | 1,100      | 1,835        | 263    | -        | 4,620             | 4,488      | -      |        |
| 12 | Total value.....\$                                           | 965               | 3,847      | 5,756             | 3,230      | 3,735        | 1,315  | -        | 52,156            | 96,663     | -      |        |
| 13 | Hants County (all)—                                          |                   |            |                   |            |              |        |          |                   |            |        |        |
| 14 | Total quantity.....                                          | -                 | -          | -                 | -          | -            | -      | -        | -                 | -          | -      |        |
| 15 | Total value.....\$                                           | -                 | -          | -                 | -          | -            | -      | -        | -                 | -          | -      |        |
| 16 | Lunenburg County—                                            |                   |            |                   |            |              |        |          |                   |            |        |        |
| 17 | Halifax county line to Mahone Bay                            | -                 | -          | 135               | -          | -            | 45     | -        | 145               | 145        | -      |        |
| 18 | Mahone Bay to Queens county line.                            | -                 | -          | 2,330             | 175        | 377          | 803    | -        | 3,761             | 3,729      | -      |        |
| 19 | Total quantity.....                                          | -                 | -          | 2,465             | 175        | 377          | 848    | -        | 3,906             | 3,874      | -      |        |
| 20 | Total value.....\$                                           | -                 | -          | 3,486             | 262        | 1,131        | 3,073  | -        | 41,718            | 51,501     | -      |        |
| 21 | Queens County—                                               |                   |            |                   |            |              |        |          |                   |            |        |        |
| 22 | Lunenburg county line to Port Medway Harbour.....            | -                 | -          | -                 | -          | -            | -      | -        | -                 | -          | -      |        |
| 23 | Port Medway Harbour to Shelburne county line.....            | -                 | -          | 696               | -          | 237          | 74     | -        | 2,373             | 2,373      | -      |        |
| 24 | Total quantity.....                                          | -                 | -          | 696               | -          | 237          | 74     | -        | 2,373             | 2,373      | -      |        |
| 25 | Total value.....\$                                           | -                 | -          | 696               | -          | 379          | 221    | -        | 30,449            | 32,872     | -      |        |
| 26 | Shelburne County—                                            |                   |            |                   |            |              |        |          |                   |            |        |        |
| 27 | Queens County line to Negro Harbour.....                     | -                 | -          | 45                | -          | -            | 15     | -        | 657               | 657        | -      |        |
| 28 | Negro Harbour (inclusive) to Yarmouth county line.....       | -                 | -          | 381               | 40         | 50           | 81     | -        | 705               | 377        | 180    |        |
| 29 | Total quantity.....                                          | -                 | -          | 426               | 40         | 50           | 96     | -        | 1,362             | 2,103      | 180    |        |
| 30 | Total value.....\$                                           | -                 | -          | 426               | 70         | 150          | 465    | -        | 15,344            | 218,411    | 1,720  |        |
| 31 | Yarmouth County (all)—                                       |                   |            |                   |            |              |        |          |                   |            |        |        |
| 32 | Total quantity.....                                          | -                 | -          | 2,956             | 37         | 4            | 970    | -        | 7,399             | 7,399      | -      |        |
| 33 | Total value.....\$                                           | -                 | -          | 2,219             | 200        | 8            | 3,809  | -        | 120,847           | 117,577    | -      |        |
| 34 | Digby County—                                                |                   |            |                   |            |              |        |          |                   |            |        |        |
| 35 | Yarmouth county line to Weymouth.....                        | -                 | -          | 90                | -          | -            | 30     | -        | 20                | 20         | -      |        |
| 36 | Weymouth to Annapolis county line, including Digby Neck..... | -                 | -          | 9,994             | -          | -            | 3,652  | -        | 381               | 330        | 89     |        |
| 37 | Total quantity.....                                          | -                 | -          | 10,084            | -          | -            | 3,682  | -        | 401               | 350        | 89     |        |
| 38 | Total value.....\$                                           | -                 | -          | 9,222             | -          | -            | 19,767 | -        | 5,056             | 5,113      | 979    |        |
| 39 | Annapolis County (all)—                                      |                   |            |                   |            |              |        |          |                   |            |        |        |
| 40 | Total quantity.....                                          | -                 | -          | 1,012             | 102        | -            | 304    | -        | 64                | 64         | -      |        |
| 41 | Total value.....\$                                           | -                 | -          | 1,094             | 204        | -            | 1,520  | -        | 801               | 801        | -      |        |
| 42 | Kings County (all)—                                          |                   |            |                   |            |              |        |          |                   |            |        |        |
| 43 | Total quantity.....                                          | -                 | -          | 1,015             | 247        | -            | 256    | -        | 34                | 34         | -      |        |
| 44 | Total value.....\$                                           | -                 | -          | 2,030             | 494        | -            | 1,536  | -        | 340               | 340        | -      |        |

## I. Fish Caught and Marketed, 1927—con.

| Flounders,<br>Brill,<br>Plaice, etc. |                           | Skate                   |                           | Soles                   |                           |                  | Herring                 |               |               |        |        |               |              |                |                 |        |
|--------------------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|------------------|-------------------------|---------------|---------------|--------|--------|---------------|--------------|----------------|-----------------|--------|
| Caught<br>and<br>landed              | Marketed<br>Used<br>fresh | Caught<br>and<br>landed | Marketed<br>Used<br>fresh | Caught<br>and<br>landed | Marketed<br>Used<br>fresh | Fresh<br>fillets | Caught<br>and<br>landed | Marketed      |               |        |        |               |              |                |                 |        |
|                                      |                           |                         |                           |                         |                           |                  |                         | Used<br>fresh | Bone-<br>less | Canned | Smoked | Dry<br>salted | Pick-<br>led | Used<br>asbait | Ferti-<br>lizer | Meal   |
| cwt.                                 | cwt.                      | cwt.                    | cwt.                      | cwt.                    | cwt.                      | cwt.             | cwt.                    | cwt.          | cwt.          | cases  | cwt.   | cwt.          | bb.          | bb.            | bb.             | ton    |
| -                                    | -                         | 540                     | 540                       | 2,301                   | 2,301                     | -                | 12,100                  | 11,086        | -             | -      | 2,780  | -             | 411          | 2,517          | -               | 277    |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 2,297                   | -             | -             | -      | -      | -             | 108          | 100            | -               | 2      |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 6,336                   | -             | -             | -      | -      | 710           | 100          | -              | -               | 3      |
| -                                    | -                         | 540                     | 540                       | 2,301                   | 2,301                     | -                | 20,733                  | 11,086        | -             | -      | 2,780  | -             | 1,229        | 2,717          | -               | 277    |
| -                                    | -                         | 540                     | 1,620                     | 4,602                   | 11,520                    | -                | 20,733                  | 25,477        | -             | -      | 13,900 | -             | 7,220        | 5,434          | -               | 16,356 |
| 20                                   | 20                        | -                       | -                         | -                       | -                         | -                | 3,425                   | 71            | -             | -      | -      | -             | 913          | 307            | -               | 6      |
| 30                                   | 30                        | -                       | -                         | -                       | -                         | -                | 4,000                   | 240           | -             | -      | -      | -             | 920          | 500            | -               | 7      |
| 6,012                                | 6,012                     | 6,471                   | 6,458                     | 10,136                  | 7,850                     | 762              | 15,582                  | 2,450         | -             | -      | 4,952  | -             | 2,133        | 120            | -               | 8      |
| 6,062                                | 6,062                     | 6,471                   | 6,458                     | 10,136                  | 7,850                     | 762              | 23,007                  | 2,761         | -             | -      | 4,952  | -             | 3,966        | 927            | -               | 9      |
| 10,938                               | 30,214                    | 6,471                   | 18,724                    | 15,093                  | 34,228                    | 15,970           | 24,246                  | 10,731        | -             | -      | 40,962 | -             | 21,838       | 1,854          | -               | 10     |
| 4                                    | 4                         | -                       | -                         | -                       | -                         | -                | 60                      | -             | -             | -      | 15     | -             | 10           | -              | -               | 11     |
| 12                                   | 40                        | -                       | -                         | -                       | -                         | -                | 90                      | -             | -             | -      | 135    | -             | 50           | -              | -               | 12     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 6,561                   | 2,906         | -             | -      | -      | -             | 685          | 800            | -               | 13     |
| 5                                    | 5                         | -                       | -                         | -                       | -                         | -                | 16,560                  | 570           | -             | -      | 609    | -             | 4,174        | 1,125          | -               | 14     |
| 5                                    | 5                         | -                       | -                         | -                       | -                         | -                | 23,121                  | 3,476         | -             | -      | 609    | -             | 4,859        | 1,925          | -               | 15     |
| 5                                    | 5                         | -                       | -                         | -                       | -                         | -                | 31,025                  | 5,214         | -             | -      | 2,435  | -             | 24,980       | 4,250          | -               | 16     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 60                      | -             | -             | -      | -      | -             | 20           | -              | -               | 17     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 11,317                  | 9,111         | -             | -      | -      | -             | 286          | 674            | -               | 18     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 11,377                  | 9,111         | -             | -      | -      | -             | 306          | 674            | -               | 19     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 11,377                  | 30,936        | -             | -      | -      | -             | 1,518        | 2,696          | -               | 20     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 22,800                  | 6,091         | -             | -      | 1,120  | 35            | 500          | 6,464          | -               | 21     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 1,350                   | -             | -             | 26     | -      | -             | 60           | 585            | -               | 22     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 24,150                  | 6,091         | -             | 26     | 1,120  | 35            | 560          | 7,049          | -               | 23     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 15,030                  | 21,774        | -             | 234    | 8,951  | 246           | 2,600        | 27,580         | -               | 24     |
| 2                                    | 2                         | -                       | -                         | -                       | -                         | -                | 26,932                  | 10,240        | 4             | -      | 315    | -             | 1,662        | 5,530          | -               | 25     |
| 2                                    | 4                         | -                       | -                         | -                       | -                         | -                | 20,198                  | 30,751        | 48            | -      | 2,664  | -             | 7,417        | 16,566         | -               | 26     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 894                     | 10            | -             | -      | -      | -             | 20           | 412            | -               | 27     |
| 16                                   | 16                        | -                       | -                         | -                       | -                         | -                | 19,136                  | 1,000         | -             | 234    | 5,929  | -             | 527          | 2,734          | -               | 28     |
| 16                                   | 16                        | -                       | -                         | -                       | -                         | -                | 22,320                  | 1,010         | -             | 234    | 5,929  | -             | 547          | 3,146          | -               | 29     |
| 32                                   | 32                        | -                       | -                         | -                       | -                         | -                | 20,434                  | 3,020         | -             | 1,638  | 21,309 | -             | 3,235        | 6,704          | -               | 30     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 23,221                  | 17,729        | -             | -      | 25     | -             | 1,078        | 961            | 140             | 31     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 35,030                  | 35,458        | -             | -      | 100    | -             | 7,114        | 1,922          | 280             | 32     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 4,516                   | 504           | -             | -      | 486    | -             | 306          | 1,061          | -               | 33     |
| -                                    | -                         | -                       | -                         | -                       | -                         | -                | 4,416                   | 504           | -             | -      | 872    | -             | 918          | 2,122          | -               | 34     |

## I. Fish Caught and Marketed, 1927—con.

|    | Fishing Districts                                            | Mackerel          |            |        |        |              | Bass              |          |
|----|--------------------------------------------------------------|-------------------|------------|--------|--------|--------------|-------------------|----------|
|    |                                                              | Caught and landed | Marketed   |        |        |              | Caught and landed | Marketed |
|    |                                                              |                   | Used fresh | Smoked | Salted | Used as bait |                   |          |
|    | Nova Scotia—con.                                             | cwt.              | cwt.       | cwt.   | bbl.   | bbl.         | cwt.              | cwt.     |
| 1  | Guysborough County—                                          |                   |            |        |        |              |                   |          |
| 2  | Antigonish county line to Cape Canso.....                    | 13,338            | 4,150      | —      | 2,962  | —            | —                 | —        |
| 3  | Cape Canso to New Harbour.....                               | 1,264             | 306        | —      | 319    | —            | —                 | —        |
| 4  | New Harbour to Halifax county line.....                      | 8,160             | —          | —      | 2,745  | —            | —                 | —        |
| 5  | Total quantity.....                                          | 22,762            | 4,456      | —      | 6,026  | —            | —                 | —        |
| 6  | Total value.....\$                                           | 67,373            | 30,580     | —      | 60,027 | —            | —                 | —        |
| 7  | Halifax County—                                              |                   |            |        |        |              |                   |          |
| 8  | Guysborough county line to East Ship Harbour.....            | 800               | 162        | —      | 213    | —            | —                 | —        |
| 9  | West Ship Harbour to (but not including) Cole Harbour        | 801               | 200        | —      | 203    | —            | —                 | —        |
| 10 | Cole Harbour to Lunenburg county line.....                   | 9,025             | 7,930      | 37     | 371    | —            | —                 | —        |
| 11 | Total quantity.....                                          | 10,626            | 8,292      | 37     | 787    | —            | —                 | —        |
| 12 | Total value.....\$                                           | 39,994            | 56,264     | 424    | 7,094  | —            | —                 | —        |
| 13 | Hants County (all)—                                          |                   |            |        |        |              |                   |          |
| 14 | Total quantity.....                                          | —                 | —          | —      | —      | —            | 5                 | 5        |
| 15 | Total value.....\$                                           | —                 | —          | —      | —      | —            | 50                | 80       |
| 16 | Lunenburg County—                                            |                   |            |        |        |              |                   |          |
| 17 | Halifax county line to Mahone Bay.....                       | 3,344             | 2,339      | —      | 335    | —            | —                 | —        |
| 18 | Mahone Bay to Queen's county line.....                       | 1,185             | 975        | —      | 70     | —            | —                 | —        |
| 19 | Total quantity.....                                          | 4,529             | 3,314      | —      | 405    | —            | —                 | —        |
| 20 | Total value.....\$                                           | 22,205            | 18,909     | —      | 5,585  | —            | —                 | —        |
| 21 | Queens County—                                               |                   |            |        |        |              |                   |          |
| 22 | Lunenburg county line to Port Medway Harbour.....            | 110               | 110        | —      | —      | —            | —                 | —        |
| 23 | Port Medway Harbour to Shelburne county line.....            | 2,197             | 2,197      | —      | —      | —            | —                 | —        |
| 24 | Total quantity.....                                          | 2,307             | 2,307      | —      | —      | —            | —                 | —        |
| 25 | Total value.....\$                                           | 23,166            | 23,166     | —      | —      | —            | —                 | —        |
| 26 | Shelburne County—                                            |                   |            |        |        |              |                   |          |
| 27 | Queens county line to Negro Harbour.....                     | 13                | 13         | —      | —      | —            | —                 | —        |
| 28 | Negro Harbour (inclusive) to Yarmouth county line....        | 219               | 133        | —      | 12     | 25           | —                 | —        |
| 29 | Total quantity.....                                          | 232               | 146        | —      | 12     | 25           | —                 | —        |
| 30 | Total value.....\$                                           | 852               | 1,525      | —      | 120    | 75           | —                 | —        |
| 31 | Yarmouth County (all)—                                       |                   |            |        |        |              |                   |          |
| 32 | Total quantity.....                                          | 1,267             | 1,168      | —      | 33     | —            | —                 | —        |
| 33 | Total value.....\$                                           | 3,353             | 4,714      | —      | 288    | —            | —                 | —        |
| 34 | Digby County—                                                |                   |            |        |        |              |                   |          |
| 35 | Yarmouth county line to Weymouth.....                        | —                 | —          | —      | —      | —            | —                 | —        |
| 36 | Weymouth to Annapolis county line, including Digby Neck..... | 7                 | 7          | —      | —      | —            | 7                 | 7        |
| 37 | Total quantity.....                                          | 7                 | 7          | —      | —      | —            | 7                 | 7        |
| 38 | Total value.....\$                                           | 70                | 70         | —      | —      | —            | 85                | 85       |
| 39 | Annapolis County (all)—                                      |                   |            |        |        |              |                   |          |
| 40 | Total quantity.....                                          | 17                | 17         | —      | —      | —            | 30                | 30       |
| 41 | Total value.....\$                                           | 170               | 170        | —      | —      | —            | 300               | 300      |
| 42 | Kings County (all)—                                          |                   |            |        |        |              |                   |          |
| 43 | Total quantity.....                                          | 112               | 112        | —      | —      | —            | —                 | —        |
| 44 | Total value.....\$                                           | 896               | 896        | —      | —      | —            | —                 | —        |

## I. Fish Caught and Marketed, 1927—con.

| Alewives          |            |         |        | Salmon            |            |        |         | Shad              |            |        | Smelts            |           |
|-------------------|------------|---------|--------|-------------------|------------|--------|---------|-------------------|------------|--------|-------------------|-----------|
| Caught and landed | Marketed   |         |        | Caught and landed | Marketed   |        |         | Caught and landed | Marketed   |        | Caught and landed | Market-ed |
|                   | Used fresh | Smok-ed | Salted |                   | Used fresh | Canned | Smok-ed |                   | Used fresh | Salted |                   |           |
| cwt.              | cwt.       | cwt.    | bbl.   | cwt.              | cwt.       | cases  | cwt.    | cwt.              | cwt.       | bbl.   | cwt.              | cwt.      |
| 21                | -          | -       | 7      | 707               | 674        | -      | -       | -                 | -          | -      | 121               | 500       |
| 3                 | 3          | -       | -      | -                 | -          | -      | -       | -                 | -          | -      | 18                | 2         |
| 290               | -          | -       | 96     | 294               | 294        | -      | -       | -                 | -          | -      | 172               | 3         |
| 314               | 3          | -       | 103    | 1,001             | 968        | -      | -       | -                 | -          | -      | 311               | 690       |
| 314               | 6          | -       | 474    | 11,424            | 18,208     | -      | -       | -                 | -          | -      | 3,110             | 16,156    |
| 184               | 52         | -       | 130    | 181               | 147        | -      | 20      | -                 | -          | -      | 137               | 137       |
| 966               | 60         | -       | 183    | 195               | 178        | -      | 10      | -                 | -          | -      | 200               | 200       |
| 200               | -          | -       | 100    | 757               | 727        | -      | 18      | -                 | -          | -      | 113               | 113       |
| 1,350             | 112        | -       | 413    | 1,133             | 1,052      | -      | 48      | -                 | -          | -      | 450               | 450       |
| 1,350             | 336        | -       | 1,835  | 17,237            | 21,320     | -      | 1,266   | -                 | -          | -      | 4,500             | 7,670     |
| 1,172             | 1,172      | -       | -      | 86                | 86         | -      | -       | 28                | 28         | -      | -                 | -         |
| 1,670             | 2,930      | -       | -      | 1,680             | 2,270      | -      | -       | 420               | 560        | -      | -                 | -         |
| -                 | -          | -       | -      | 157               | 81         | -      | 45      | -                 | -          | -      | 125               | 125       |
| -                 | -          | -       | -      | 230               | 158        | -      | 36      | -                 | -          | -      | 340               | 340       |
| -                 | -          | -       | -      | 387               | 239        | -      | 81      | -                 | -          | -      | 465               | 465       |
| -                 | -          | -       | -      | 6,815             | 4,869      | -      | 2,655   | -                 | -          | -      | 5,956             | 6,585     |
| 1,406             | 392        | 135     | 248    | 521               | 521        | -      | -       | -                 | -          | -      | 21                | -         |
| 525               | 525        | -       | -      | 97                | 97         | -      | -       | -                 | -          | -      | -                 | -         |
| 1,931             | 917        | 135     | 248    | 618               | 618        | -      | -       | -                 | -          | -      | 21                | -         |
| 1,931             | 917        | 540     | 1,116  | 11,285            | 11,285     | -      | -       | -                 | -          | -      | 235               | -         |
| 90                | -          | 45      | -      | 15                | 15         | -      | -       | -                 | -          | -      | 47                | 47        |
| 750               | 500        | 125     | -      | 7                 | 7          | -      | -       | -                 | -          | -      | -                 | -         |
| 840               | 500        | 170     | -      | 22                | 22         | -      | -       | -                 | -          | -      | 47                | 47        |
| 743               | 500        | 490     | -      | 411               | 451        | -      | -       | -                 | -          | -      | 479               | 479       |
| 4,180             | 296        | 205     | 1,158  | 189               | 189        | -      | -       | -                 | -          | -      | 340               | 340       |
| 3,741             | 381        | 410     | 4,968  | 4,175             | 4,727      | -      | -       | -                 | -          | -      | 7,066             | 7,066     |
| 204               | 204        | -       | -      | 7                 | 7          | -      | -       | -                 | -          | -      | -                 | -         |
| 11                | 11         | -       | -      | 10                | 10         | -      | -       | 3                 | 3          | -      | 37                | 37        |
| 215               | 215        | -       | -      | 17                | 17         | -      | -       | 3                 | 3          | -      | 37                | 37        |
| 230               | 230        | -       | -      | 475               | 475        | -      | -       | 34                | 34         | -      | 1,005             | 1,005     |
| 49                | 49         | -       | -      | 292               | 292        | -      | -       | 43                | 43         | -      | 4                 | 4         |
| 87                | 87         | -       | -      | 6,175             | 7,300      | -      | -       | 301               | 430        | -      | 120               | 120       |
| 1,540             | 882        | 74      | 170    | 511               | 511        | -      | -       | 10                | 10         | -      | -                 | -         |
| 1,540             | 882        | 148     | 510    | 9,020             | 9,020      | -      | -       | 200               | 200        | -      | -                 | -         |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts       |                                                              | Sturgeon          |                     | Trout             |                     | Albacore          |                     | Eels              |                     |
|-------------------------|--------------------------------------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|
|                         |                                                              | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh |
| Nova Scotia—con.        |                                                              | cwt.              | cwt.                | cwt.              | cwt.                | cwt.              | cwt.                | cwt.              | cwt.                |
| Guysborough County—     |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 1                       | Antigonish county line to Cape Canso.....                    | —                 | —                   | —                 | —                   | —                 | —                   | 39                | 39                  |
| 2                       | Cape Canso to New Harbour.....                               | —                 | —                   | 8                 | 8                   | —                 | —                   | —                 | —                   |
| 3                       | New Harbour to Halifax county line.....                      | —                 | —                   | 10                | 10                  | —                 | —                   | 4                 | 4                   |
| 4                       | Total quantity.....                                          | —                 | —                   | 18                | 18                  | —                 | —                   | 43                | 43                  |
| 5                       | Total value.....\$                                           | —                 | —                   | 270               | 450                 | —                 | —                   | 219               | 438                 |
| Halifax County—         |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 6                       | Guysborough county line to East Ship Harbour                 | —                 | —                   | 12                | 12                  | —                 | —                   | 75                | 75                  |
| 7                       | West Ship Harbour to (but not including) Cole Harbour.....   | —                 | —                   | 13                | 13                  | —                 | —                   | 125               | 125                 |
| 8                       | Cole Harbour to Lunenburg county line.....                   | 5                 | 5                   | 9                 | 9                   | 1,575             | 1,575               | —                 | —                   |
| 9                       | Total quantity.....                                          | 5                 | 5                   | 34                | 34                  | 1,575             | 1,575               | 200               | 200                 |
| 10                      | Total value.....\$                                           | 50                | 156                 | 295               | 560                 | 9,460             | 15,750              | 1,200             | 2,000               |
| Hants County (all)—     |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 11                      | Total quantity.....                                          | —                 | —                   | 51                | 51                  | —                 | —                   | 14                | 14                  |
| 12                      | Total value.....\$                                           | —                 | —                   | 1,020             | 1,530               | —                 | —                   | 140               | 210                 |
| Lunenburg County—       |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 13                      | Halifax county line to Mahone Bay.....                       | —                 | —                   | 10                | 10                  | 1,523             | 1,523               | 48                | 48                  |
| 14                      | Mahone Bay to Queens county line.....                        | —                 | —                   | —                 | —                   | —                 | —                   | 63                | 63                  |
| 15                      | Total quantity.....                                          | —                 | —                   | 10                | 10                  | 1,523             | 1,523               | 111               | 111                 |
| 16                      | Total value.....\$                                           | —                 | —                   | 150               | 200                 | 7,627             | 9,138               | 1,206             | 1,590               |
| Queens County—          |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 17                      | Lunenburg county line to Port Medway Harbour.....            | —                 | —                   | 95                | 95                  | —                 | —                   | —                 | —                   |
| 18                      | Port Medway Harbour to Shelburne county line.....            | —                 | —                   | 239               | 239                 | —                 | —                   | 253               | 253                 |
| 19                      | Total quantity.....                                          | —                 | —                   | 334               | 334                 | —                 | —                   | 253               | 253                 |
| 20                      | Total value.....\$                                           | —                 | —                   | 3,815             | 3,815               | —                 | —                   | 3,036             | 3,036               |
| Shelburne County—       |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 21                      | Queens county line to Negro Harbour.....                     | —                 | —                   | 57                | 57                  | 14                | 14                  | 12                | 12                  |
| 22                      | Negro Harbour (inclusive) to Yarmouth county line.....       | —                 | —                   | 7                 | 7                   | —                 | —                   | —                 | —                   |
| 23                      | Total quantity.....                                          | —                 | —                   | 64                | 64                  | 14                | 14                  | 12                | 12                  |
| 24                      | Total value.....\$                                           | —                 | —                   | 800               | 814                 | 56                | 64                  | 144               | 144                 |
| Yarmouth County (all)—  |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 25                      | Total quantity.....                                          | —                 | —                   | 36                | 36                  | 163               | 163                 | 48                | 48                  |
| 26                      | Total value.....\$                                           | —                 | —                   | 432               | 432                 | 815               | 815                 | 480               | 480                 |
| Digby County—           |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 27                      | Yarmouth county line to Weymouth.....                        | —                 | —                   | 20                | 20                  | —                 | —                   | 13                | 13                  |
| 28                      | Weymouth to Annapolis county line, including Digby Neck..... | 5                 | 5                   | 112               | 112                 | —                 | —                   | —                 | —                   |
| 29                      | Total quantity.....                                          | 5                 | 5                   | 132               | 132                 | —                 | —                   | 13                | 13                  |
| 30                      | Total value.....\$                                           | 35                | 35                  | 2,446             | 2,446               | —                 | —                   | 130               | 130                 |
| Annapolis county (all)— |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 31                      | Total quantity.....                                          | —                 | —                   | 180               | 180                 | —                 | —                   | 27                | 27                  |
| 32                      | Total value.....\$                                           | —                 | —                   | 5,400             | 5,400               | —                 | —                   | 270               | 270                 |
| Kings County (all)—     |                                                              |                   |                     |                   |                     |                   |                     |                   |                     |
| 33                      | Total quantity.....                                          | —                 | —                   | 6                 | 6                   | —                 | —                   | —                 | —                   |
| 34                      | Total value.....\$                                           | —                 | —                   | 120               | 120                 | —                 | —                   | —                 | —                   |



## I. Fish Caught and Marketed, 1927—con.

| Grey-fish <sup>1</sup> | Squid             |              | Swordfish         |            | Tom Cod           |            | Mixed Fish        |            | Clams and Quahaugs |            |        |
|------------------------|-------------------|--------------|-------------------|------------|-------------------|------------|-------------------|------------|--------------------|------------|--------|
|                        | Caught and landed | Marketed     | Caught and landed | Marketed   | Caught and landed | Marketed   | Caught and landed | Marketed   | Caught and landed  | Marketed   |        |
|                        |                   | Used as bait |                   | Used fresh |                   | Used fresh |                   | Used fresh |                    | Used fresh | Canned |
| cwt.                   | bbl.              | bbl.         | cwt.              | cwt.       | cwt.              | cwt.       | cwt.              | cwt.       | bbl.               | bbl.       | cases  |
| -                      | 801               | 805          | 535               | 535        | -                 | -          | -                 | -          | -                  | -          | 1      |
| -                      | -                 | -            | 113               | 68         | -                 | -          | -                 | -          | -                  | -          | 2      |
| -                      | -                 | -            | 750               | 705        | -                 | -          | -                 | -          | -                  | -          | 3      |
| -                      | 801               | 805          | 1,398             | 1,308      | -                 | -          | -                 | -          | -                  | -          | 4      |
| -                      | 2,169             | 4,025        | 15,115            | 21,888     | -                 | -          | -                 | -          | -                  | -          | 5      |
| -                      | 20                | 20           | 9                 | 9          | -                 | -          | -                 | -          | 50                 | 50         | 6      |
| -                      | 30                | 30           | 3                 | 3          | -                 | -          | -                 | -          | 900                | 794        | 7      |
| 62,931                 | -                 | -            | 305               | 335        | -                 | -          | -                 | -          | -                  | -          | 8      |
| 62,931                 | 50                | 50           | 317               | 347        | -                 | -          | -                 | -          | 950                | 844        | 9      |
| 4,000                  | 75                | 100          | 3,250             | 8,907      | -                 | -          | -                 | -          | 950                | 2,532      | 10     |
| -                      | -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | 11     |
| -                      | -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | 12     |
| -                      | 25                | 25           | -                 | -          | -                 | -          | -                 | -          | -                  | -          | 13     |
| -                      | 97                | 97           | -                 | -          | -                 | -          | -                 | -          | -                  | -          | 14     |
| -                      | 122               | 122          | -                 | -          | -                 | -          | -                 | -          | -                  | -          | 15     |
| -                      | 295               | 295          | -                 | -          | -                 | -          | -                 | -          | -                  | -          | 16     |
| -                      | -                 | -            | -                 | -          | -                 | -          | -                 | -          | 7                  | 7          | 17     |
| -                      | 120               | 120          | 91                | 91         | -                 | -          | -                 | -          | 570                | 148        | 18     |
| -                      | 120               | 120          | 91                | 91         | -                 | -          | -                 | -          | 577                | 155        | 19     |
| -                      | 480               | 480          | 1,019             | 1,019      | -                 | -          | -                 | -          | 1,731              | 465        | 20     |
| -                      | 15                | 15           | 62                | 62         | -                 | -          | -                 | -          | 15                 | 15         | 21     |
| -                      | -                 | -            | -                 | -          | -                 | -          | 482               | 482        | -                  | -          | 22     |
| -                      | 15                | 15           | 62                | 62         | -                 | -          | 482               | 482        | 15                 | 15         | 23     |
| -                      | 45                | 45           | 1,170             | 1,240      | -                 | -          | 241               | 241        | 90                 | 90         | 24     |
| -                      | -                 | -            | 55                | 55         | 70                | 70         | -                 | -          | 71                 | 71         | 25     |
| -                      | -                 | -            | 935               | 1,114      | 70                | 70         | -                 | -          | 294                | 294        | 26     |
| -                      | -                 | -            | -                 | -          | 21                | 21         | -                 | -          | 894                | 260        | 27     |
| -                      | -                 | -            | -                 | -          | 4                 | 4          | -                 | -          | 2,042              | 50         | 28     |
| -                      | -                 | -            | -                 | -          | 25                | 25         | -                 | -          | 2,937              | 310        | 29     |
| -                      | -                 | -            | -                 | -          | 23                | 23         | -                 | -          | 4,976              | 670        | 30     |
| -                      | -                 | -            | -                 | -          | 37                | 37         | 80                | 80         | 2,665              | 2,270      | 31     |
| -                      | -                 | -            | -                 | -          | 74                | 74         | 160               | 160        | 3,328              | 7,503      | 32     |
| -                      | -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | 33     |
| -                      | -                 | -            | -                 | -          | -                 | -          | -                 | -          | -                  | -          | 34     |

Used in the manufacture of fish oil and meal.

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                                            | Lobsters          |                  |       |         |          | Oysters           |                     | Scallops          |          |        |
|--------------------------------------------------------------|-------------------|------------------|-------|---------|----------|-------------------|---------------------|-------------------|----------|--------|
|                                                              | Caught and landed | Marketed         |       |         |          | Caught and landed | Marketed Used fresh | Caught and landed | Marketed |        |
|                                                              |                   | Shipped in shell | Meat  | Canned  | Tomalley |                   |                     |                   | Shell-ed | Canned |
| <b>Nova Scotia—con.</b>                                      | cwt.              | cwt.             | cwt.  | cases   | cases    | bbl.              | bbl.                | bbl.              | gal.     | cases  |
| Guysborough County—                                          |                   |                  |       |         |          |                   |                     |                   |          |        |
| 1 Antigonish county line to Cape Canso.....                  | 6,825             | 1,989            | -     | 1,765   | 111      | -                 | -                   | -                 | -        | -      |
| 2 Cape Canso to New Harbour.....                             | 5,595             | 1,290            | -     | 1,327   | 80       | -                 | -                   | -                 | -        | -      |
| 3 New Harbour to Halifax county line.....                    | 7,944             | 4,564            | -     | 3,752   | 55       | -                 | -                   | -                 | -        | -      |
| 4 Total quantity.....                                        | 20,364            | 7,843            | -     | 6,844   | 246      | -                 | -                   | -                 | -        | -      |
| 5 Total value.....\$                                         | 203,640           | 136,730          | -     | 213,708 | 2,421    | -                 | -                   | -                 | -        | -      |
| Halifax County—                                              |                   |                  |       |         |          |                   |                     |                   |          |        |
| 6 Guysborough county line to East Ship Harbour.....          | 6,529             | 2,039            | -     | 2,245   | 73       | -                 | -                   | 28                | 56       | -      |
| 7 West Ship Harbour to (but not including) Cole Harbour..... | 4,581             | 3,533            | -     | 524     | 45       | 5                 | 5                   | -                 | -        | -      |
| 8 Cole Harbour to Lunenburg county line.....                 | 2,097             | 1,849            | -     | 245     | -        | -                 | -                   | -                 | -        | -      |
| 9 Total quantity.....                                        | 13,207            | 7,421            | -     | 3,014   | 118      | 5                 | 5                   | 28                | 56       | -      |
| 10 Total value.....\$                                        | 159,259           | 140,720          | -     | 92,790  | 2,450    | 40                | 50                  | 48                | 140      | -      |
| Hants County (all)—                                          |                   |                  |       |         |          |                   |                     |                   |          |        |
| 11 Total quantity.....                                       | -                 | -                | -     | -       | -        | -                 | -                   | -                 | -        | -      |
| 12 Total value.....\$                                        | -                 | -                | -     | -       | -        | -                 | -                   | -                 | -        | -      |
| Lunenburg County—                                            |                   |                  |       |         |          |                   |                     |                   |          |        |
| 13 Halifax county line to Mahone Bay.....                    | 1,554             | 1,072            | -     | 400     | 27       | -                 | -                   | 4,262             | 8,524    | -      |
| 14 Mahone Bay to Queens county line.....                     | 2,170             | 1,472            | -     | 190     | -        | -                 | -                   | 700               | 1,400    | -      |
| 15 Total quantity.....                                       | 3,724             | 2,544            | -     | 590     | 27       | -                 | -                   | 4,962             | 9,924    | -      |
| 16 Total value.....\$                                        | 56,310            | 45,697           | -     | 18,300  | 270      | -                 | -                   | 27,465            | 20,002   | -      |
| Queens County—                                               |                   |                  |       |         |          |                   |                     |                   |          |        |
| 17 Lunenburg county line to Port Medway Harbour.....         | 445               | 445              | -     | -       | -        | -                 | -                   | -                 | -        | -      |
| 18 Port Medway Harbour to Shelburne county line.....         | 3,373             | 3,001            | -     | 186     | 11       | -                 | -                   | -                 | -        | -      |
| 19 Total quantity.....                                       | 3,818             | 3,446            | -     | 186     | 11       | -                 | -                   | -                 | -        | -      |
| 20 Total value.....\$                                        | 58,363            | 52,039           | -     | 6,324   | 165      | -                 | -                   | -                 | -        | -      |
| Shelburne County—                                            |                   |                  |       |         |          |                   |                     |                   |          |        |
| 21 Queens county line to Negro Harbour.....                  | 5,448             | 2,436            | -     | 1,506   | -        | -                 | -                   | -                 | -        | -      |
| 22 Negro Harbour (inclusive) to Yarmouth county line.....    | 16,260            | 8,720            | -     | 3,771   | 62       | -                 | -                   | -                 | -        | -      |
| 23 Total quantity.....                                       | 21,708            | 11,156           | -     | 5,277   | 62       | -                 | -                   | -                 | -        | -      |
| 24 Total value.....\$                                        | 402,891           | 312,196          | -     | 162,102 | 396      | -                 | -                   | -                 | -        | -      |
| Yarmouth County (all)—                                       |                   |                  |       |         |          |                   |                     |                   |          |        |
| 25 Total quantity.....                                       | 34,542            | 20,536           | -     | 7,003   | 113      | -                 | -                   | 802               | 1,604    | -      |
| 26 Total value.....\$                                        | 669,400           | 501,993          | -     | 227,254 | 1,000    | -                 | -                   | 4,296             | 4,296    | -      |
| Digby County—                                                |                   |                  |       |         |          |                   |                     |                   |          |        |
| 27 Yarmouth county line to Weymouth.....                     | 4,199             | 3,042            | -     | 688     | 17       | -                 | -                   | -                 | -        | -      |
| 28 Weymouth to Annapolis county line, including Digby Neck.. | 5,484             | 4,412            | 54    | 401     | 13       | -                 | -                   | 20,639            | 41,278   | -      |
| 29 Total quantity.....                                       | 9,683             | 7,454            | 54    | 1,089   | 30       | -                 | -                   | 20,639            | 41,278   | -      |
| 30 Total value.....\$                                        | 211,674           | 190,407          | 4,334 | 34,618  | 390      | -                 | -                   | 108,914           | 108,914  | -      |
| Annapolis County (all)—                                      |                   |                  |       |         |          |                   |                     |                   |          |        |
| 31 Total quantity.....                                       | 609               | 609              | -     | -       | -        | -                 | -                   | 11,176            | 21,238   | 249    |
| 32 Total value.....\$                                        | 18,075            | 19,554           | -     | -       | -        | -                 | -                   | 63,036            | 64,506   | 4,980  |
| Kings County (all)—                                          |                   |                  |       |         |          |                   |                     |                   |          |        |
| 33 Total quantity.....                                       | 79                | 79               | -     | -       | -        | -                 | -                   | -                 | -        | -      |
| 34 Total value.....\$                                        | 1,195             | 1,195            | -     | -       | -        | -                 | -                   | -                 | -        | -      |

## I. Fish Caught and Marketed, 1927—con.

| Tongues<br>and<br>Sands | Winkles                 |            | Dulse |          | Miscellaneous          |              |                            |              |               |                        |
|-------------------------|-------------------------|------------|-------|----------|------------------------|--------------|----------------------------|--------------|---------------|------------------------|
|                         | Caught<br>and<br>landed | Marketed   | Green | Marketed | Fish<br>oil,<br>n.e.s. | Fish<br>glue | Fish<br>skins and<br>bones | Fish<br>meal | Fish<br>offal | Other<br>pro-<br>ducts |
|                         |                         | Used fresh |       | Dried    |                        |              |                            |              |               |                        |
| Pickled<br>or<br>dried  |                         |            |       |          |                        |              |                            |              |               |                        |
| cwt.                    | cwt.                    | cwt.       | cwt.  | cwt.     | gal.                   | gal.         | cwt.                       | ton          | ton           | \$                     |
| -                       | -                       | -          | -     | -        | 10,000                 | 10,909       | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | 150                    | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | 10,150                 | 10,909       | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | 6,060                  | 11,078       | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | 314                    | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | 82                     | -            | -                          | -            | -             | -                      |
| 6                       | -                       | -          | -     | -        | 760                    | -            | 162                        | 2,301        | 8,250         | 765                    |
| 6                       | -                       | -          | -     | -        | 1,156                  | -            | 162                        | 2,301        | 8,250         | -                      |
| 60                      | -                       | -          | -     | -        | 600                    | -            | 324                        | 141,670      | 31,530        | 765                    |
| -                       | -                       | -          | -     | -        | -                      | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | 50                         | -            | 50            | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | 50                         | -            | 50            | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | 2,500                      | -            | 600           | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | 80                         | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | 80                         | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | 240                        | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | 20                         | -            | -             | 500                    |
| -                       | 500                     | 500        | -     | -        | 692                    | -            | 1,800                      | -            | -             | 143                    |
| -                       | 500                     | 500        | -     | -        | 692                    | -            | 1,820                      | -            | -             | -                      |
| -                       | 400                     | 500        | -     | -        | 346                    | -            | 3,035                      | -            | -             | 733                    |
| 3                       | -                       | -          | -     | -        | 860                    | -            | 5,919                      | -            | 271           | -                      |
| 25                      | -                       | -          | -     | -        | 447                    | -            | 8,962                      | -            | 172           | 2,234                  |
| -                       | -                       | -          | -     | -        | -                      | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | -                      | -            | -                          | -            | -             | -                      |
| 265                     | 1,094                   | 1,094      | -     | -        | 58                     | -            | 1,294                      | -            | 10            | -                      |
| 265                     | 1,094                   | 1,094      | -     | -        | 58                     | -            | 1,294                      | -            | 10            | -                      |
| 1,821                   | 2,174                   | 3,110      | -     | -        | 28                     | -            | 1,799                      | -            | 60            | -                      |
| 13                      | 27                      | 27         | 74    | 15       | 1,395                  | -            | -                          | -            | -             | -                      |
| 325                     | 29                      | 29         | 740   | 925      | 558                    | -            | -                          | -            | -             | 796                    |
| -                       | -                       | -          | -     | -        | 30                     | -            | -                          | -            | -             | -                      |
| -                       | -                       | -          | -     | -        | 15                     | -            | -                          | -            | -             | -                      |

## I. Fish Caught and Marketed, 1927—con.

|    | Fishing Districts                                                     | Cod               |            |               |              |                |         |          |                          |         | Haddock           |          |
|----|-----------------------------------------------------------------------|-------------------|------------|---------------|--------------|----------------|---------|----------|--------------------------|---------|-------------------|----------|
|    |                                                                       | Caught and landed | Marketed   |               |              |                |         |          |                          |         | Caught and landed | Marketed |
|    |                                                                       |                   | Used fresh | Fresh fillets | Green-salted | Smoked fillets | Dried   | Boneless | Cod liver oil, medicinal | Cod oil |                   |          |
|    | <b>New Brunswick—Sea Fisheries</b>                                    | cwt.              | cwt.       | cwt.          | cwt.         | cwt.           | cwt.    | cwt.     | gal.                     | gal.    | cwt.              | cwt.     |
|    | <b>Total Sea Fisheries for Province—</b>                              |                   |            |               |              |                |         |          |                          |         |                   |          |
| 1  | Quantity.....                                                         | 136,773           | 13,599     | 603           | 10,049       | 163            | 33,720  | 166      | 12,489                   | 14,294  | 33,834            | 24,647   |
| 2  | Value.....\$                                                          | 211,442           | 50,349     | 2,884         | 41,162       | 1,879          | 169,548 | 1,669    | 12,226                   | 4,945   | 61,400            | 56,009   |
| 3  | Charlotte County—                                                     |                   |            |               |              |                |         |          |                          |         |                   |          |
|    | International boundary line to Back Bay.....                          | 1,238             | 1,226      | —             | 180          | —              | 558     | 41       | —                        | —       | 7,993             | 3,296    |
| 4  | Back Bay to St. John county line.....                                 | 1,589             | 68         | 573           | —            | —              | —       | —        | 6,409                    | 1,919   | 515               | 515      |
| 5  | Campobello and West Isles.....                                        | 2,830             | 1,570      | —             | 555          | —              | 50      | —        | —                        | 50      | 21,477            | 19,801   |
| 6  | Grand Manan Island.....                                               | 12,514            | —          | —             | 5,307        | —              | —       | —        | 6,080                    | 330     | 1,450             | —        |
| 7  | Total quantity.....                                                   | 18,171            | 2,864      | 573           | 6,042        | —              | 608     | 41       | 12,489                   | 2,299   | 31,435            | 23,612   |
| 8  | Total value.....\$                                                    | 27,881            | 7,800      | 2,494         | 24,805       | —              | 3,242   | 419      | 12,226                   | 1,057   | 56,504            | 52,412   |
| 9  | St. John County (all)—                                                |                   |            |               |              |                |         |          |                          |         |                   |          |
|    | Total quantity.....                                                   | 1,150             | 397        | 30            | —            | 163            | 73      | 125      | —                        | 1,150   | 1,300             | 650      |
| 10 | Total value.....\$                                                    | 2,300             | 1,630      | 390           | —            | 1,879          | 383     | 1,250    | —                        | 632     | 2,925             | 2,600    |
| 11 | Albert County (all)—                                                  |                   |            |               |              |                |         |          |                          |         |                   |          |
| 12 | Total quantity.....                                                   | —                 | —          | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
|    | Total value.....\$                                                    | —                 | —          | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
| 13 | Westmorland County—                                                   |                   |            |               |              |                |         |          |                          |         |                   |          |
|    | Nova Scotia line to Kent county line.....                             | —                 | —          | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
| 14 | Bay of Fundy.....                                                     | 10                | 10         | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
| 15 | Total quantity.....                                                   | 10                | 10         | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
| 16 | Total value.....\$                                                    | 40                | 40         | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
| 17 | Kent County—                                                          |                   |            |               |              |                |         |          |                          |         |                   |          |
|    | Westmorland county line to (but not including) Chockfish river.....   | —                 | —          | —             | —            | —              | —       | —        | —                        | 45      | —                 | —        |
| 18 | Chockfish river to Point Sabin.....                                   | 900               | 130        | —             | —            | —              | 264     | —        | —                        | —       | —                 | —        |
| 19 | Point Sabin to Northumberland county line.....                        | 3,030             | 3,030      | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
| 20 | Total quantity.....                                                   | 3,930             | 3,160      | —             | —            | —              | 264     | —        | —                        | 45      | —                 | —        |
| 21 | Total value.....\$                                                    | 10,080            | 15,770     | —             | —            | —              | 1,848   | —        | —                        | 16      | —                 | —        |
| 22 | Northumberland County—                                                |                   |            |               |              |                |         |          |                          |         |                   |          |
|    | Kent county line to Point au Car.....                                 | 2,625             | 2,625      | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
| 23 | Northwest and Southwest Miramichi river.....                          | —                 | —          | —             | —            | —              | —       | —        | —                        | —       | —                 | —        |
| 24 | Point au Car to Gloucester county line (including Miramichi Bay)..... | 652               | —          | —             | 176          | —              | 100     | —        | —                        | —       | —                 | —        |
| 25 | Total quantity.....                                                   | 3,277             | 2,625      | —             | 176          | —              | 100     | —        | —                        | —       | —                 | —        |
| 26 | Total value.....\$                                                    | 9,179             | 13,125     | —             | 1,056        | —              | 700     | —        | —                        | —       | —                 | —        |
| 27 | Gloucester County—                                                    |                   |            |               |              |                |         |          |                          |         |                   |          |
|    | Northumberland county line to Inkerman.....                           | 770               | 180        | —             | 145          | —              | 100     | —        | —                        | —       | —                 | —        |
| 28 | Islands of Shippegan and Miscou.....                                  | 34,630            | 600        | —             | 400          | —              | 11,075  | —        | —                        | —       | —                 | —        |
| 29 | Inkerman to Glen Anglin.....                                          | 68,500            | 1,000      | —             | 1,500        | —              | 21,500  | —        | —                        | 10,800  | 820               | 210      |
| 30 | Glen Anglin to Restigouche county line.....                           | 5,465             | 2,015      | —             | 1,725        | —              | —       | —        | —                        | —       | —                 | —        |
| 31 | Total quantity.....                                                   | 109,365           | 3,795      | —             | 3,770        | —              | 32,675  | —        | —                        | 10,800  | 820               | 210      |
| 32 | Total value.....\$                                                    | 158,407           | 8,805      | —             | 14,935       | —              | 163,375 | —        | —                        | 3,240   | 820               | 210      |
| 33 | Restigouche County (all)—                                             |                   |            |               |              |                |         |          |                          |         |                   |          |
|    | Total quantity.....                                                   | 870               | 748        | —             | 61           | —              | —       | —        | —                        | —       | 279               | 175      |
| 34 | Total value.....\$                                                    | 3,545             | 3,179      | —             | 366          | —              | —       | —        | —                        | —       | 1,151             | 787      |

### I. Fish Caught and Marketed, 1927—con.

[illegible]

## I. Fish Caught and Marketed, 1927—con.

|    | Fishing Districts                                                             | Flounders,<br>Brill,<br>Plaice, etc. |                                | Skate                   |                                | Herring                 |               |        |        |         |                    |            |        |
|----|-------------------------------------------------------------------------------|--------------------------------------|--------------------------------|-------------------------|--------------------------------|-------------------------|---------------|--------|--------|---------|--------------------|------------|--------|
|    |                                                                               | Caught<br>and<br>landed              | Mar-<br>keted<br>Used<br>fresh | Caught<br>and<br>landed | Mar-<br>keted<br>Used<br>fresh | Caught<br>and<br>landed | Marketed      |        |        |         |                    |            |        |
|    |                                                                               |                                      |                                |                         |                                |                         | Used<br>fresh | Canned | Smoked | Pickled | Used<br>as<br>bait | Fertilizer | Meal   |
|    | New Brunswick—Sea<br>Fisheries—con.                                           | cwt.                                 | cwt.                           | cwt.                    | cwt.                           | cwt.                    | cwt.          | cases  | cwt.   | bbbl.   | bbbl.              | bbbl.      | ton    |
|    | <b>Total Sea Fisheries for Province—</b>                                      |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 1  | Quantity.....                                                                 | 1,188                                | 1,188                          | 157                     | 157                            | 412,833                 | 95,419        | 9,216  | 17,613 | 6,918   | 37,396             | 89,320     | 587    |
| 2  | Value.....\$                                                                  | 2,605                                | 3,802                          | 234                     | 431                            | 249,328                 | 60,504        | 39,871 | 50,753 | 31,619  | 65,239             | 92,798     | 23,500 |
| 3  | Charlotte County—                                                             |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 4  | International boundary line to<br>Back Bay.....                               | 663                                  | 663                            | 121                     | 121                            | 1,700                   | —             | —      | 613    | —       | 246                | —          | —      |
| 5  | Back Bay to St. John county<br>line.....                                      | 120                                  | 120                            | 26                      | 26                             | 6,400                   | —             | 9,216  | —      | —       | —                  | —          | 587    |
| 6  | Campobello and West Isles.....                                                | 350                                  | 350                            | 10                      | 10                             | 86,938                  | 55,838        | —      | —      | —       | 15,550             | —          | —      |
| 7  | Grand Manan Island.....                                                       | —                                    | —                              | —                       | —                              | 60,104                  | 27,580        | —      | 12,567 | —       | —                  | 3,295      | —      |
| 8  | Total quantity.....                                                           | 1,133                                | 1,133                          | 157                     | 157                            | 155,142                 | 83,418        | 9,216  | 13,180 | —       | 15,796             | 3,295      | 587    |
| 9  | Total value.....\$                                                            | 2,550                                | 3,747                          | 234                     | 431                            | 88,901                  | 45,286        | 39,871 | 39,951 | —       | 18,599             | 3,295      | 23,500 |
| 10 | St. John County (all)—                                                        |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 11 | Quantity.....                                                                 | —                                    | —                              | —                       | —                              | 50                      | 50            | —      | —      | —       | —                  | —          | —      |
| 12 | Value.....\$                                                                  | —                                    | —                              | —                       | —                              | 50                      | 125           | —      | —      | —       | —                  | —          | —      |
| 13 | Albert County (all)—                                                          |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 14 | Quantity.....                                                                 | —                                    | —                              | —                       | —                              | —                       | —             | —      | —      | —       | —                  | —          | —      |
| 15 | Value.....\$                                                                  | —                                    | —                              | —                       | —                              | —                       | —             | —      | —      | —       | —                  | —          | —      |
| 16 | Westmorland County—                                                           |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 17 | Nova Scotia line to Kent<br>county line.....                                  | —                                    | —                              | —                       | —                              | 64,500                  | 1,050         | —      | 4,433  | 346     | 2,947              | 23,959     | —      |
| 18 | Bay of Fundy.....                                                             | —                                    | —                              | —                       | —                              | 32                      | 32            | —      | —      | —       | —                  | —          | —      |
| 19 | Total quantity.....                                                           | —                                    | —                              | —                       | —                              | 64,532                  | 1,082         | —      | 4,433  | 346     | 2,947              | 23,959     | —      |
| 20 | Total value.....\$                                                            | —                                    | —                              | —                       | —                              | 45,214                  | 1,114         | —      | 10,802 | 2,076   | 8,841              | 23,959     | —      |
| 21 | Kent County—                                                                  |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 22 | Westmorland county line to<br>(but not including) Chock-<br>fish River.....   | 55                                   | 55                             | —                       | —                              | 16,550                  | —             | —      | —      | —       | 3,860              | 4,375      | —      |
| 23 | Chockfish River to Point<br>Sapin.....                                        | —                                    | —                              | —                       | —                              | 18,099                  | 3,700         | —      | —      | 3,274   | 960                | 1,327      | —      |
| 24 | Point Sapin to Northumber-<br>land county line.....                           | —                                    | —                              | —                       | —                              | 3,430                   | 190           | —      | —      | 80      | 1,500              | —          | —      |
| 25 | Total quantity.....                                                           | 55                                   | 55                             | —                       | —                              | 38,079                  | 3,890         | —      | —      | 3,354   | 6,320              | 5,702      | —      |
| 26 | Total value.....\$                                                            | 55                                   | 55                             | —                       | —                              | 25,555                  | 5,560         | —      | —      | 9,225   | 14,030             | 9,180      | —      |
| 27 | Northumberland County—                                                        |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 28 | Kent county line to Point au<br>Oar.....                                      | —                                    | —                              | —                       | —                              | 5,440                   | 460           | —      | —      | 160     | 2,200              | —          | —      |
| 29 | Northwest and Southwest<br>Miramichi river.....                               | —                                    | —                              | —                       | —                              | —                       | —             | —      | —      | —       | —                  | —          | —      |
| 30 | Point au Car to Gloucester<br>county line (including Mira-<br>michi Bay)..... | —                                    | —                              | —                       | —                              | 3,000                   | —             | —      | —      | —       | 1,000              | 500        | —      |
| 31 | Total quantity.....                                                           | —                                    | —                              | —                       | —                              | 8,440                   | 460           | —      | —      | 160     | 3,200              | 500        | —      |
| 32 | Total value.....\$                                                            | —                                    | —                              | —                       | —                              | 6,940                   | 1,840         | —      | —      | 1,600   | 8,600              | 500        | —      |
| 33 | Gloucester County—                                                            |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 34 | Northumberland county line<br>to Inkerman.....                                | —                                    | —                              | —                       | —                              | 2,220                   | 34            | —      | —      | 50      | 778                | 190        | —      |
| 35 | Islands of Shippegan and<br>Miscou.....                                       | —                                    | —                              | —                       | —                              | 100,482                 | 2,515         | —      | —      | 1,166   | 2,040              | 45,194     | —      |
| 36 | Inkerman to Glen Anglin.....                                                  | —                                    | —                              | —                       | —                              | 30,080                  | 3,080         | —      | —      | 1,600   | 4,900              | 6,200      | —      |
| 37 | Glen Anglin to Restigouche<br>county line.....                                | —                                    | —                              | —                       | —                              | 12,004                  | 275           | —      | —      | 100     | 1,184              | 4,130      | —      |
| 38 | Total quantity.....                                                           | —                                    | —                              | —                       | —                              | 144,786                 | 5,904         | —      | —      | 2,916   | 8,902              | 55,714     | —      |
| 39 | Total value.....\$                                                            | —                                    | —                              | —                       | —                              | 80,864                  | 5,404         | —      | —      | 17,346  | 14,819             | 55,714     | —      |
| 40 | Restigouche County (all)—                                                     |                                      |                                |                         |                                |                         |               |        |        |         |                    |            |        |
| 41 | Quantity.....                                                                 | —                                    | —                              | —                       | —                              | 1,804                   | 615           | —      | —      | 142     | 231                | 150        | —      |
| 42 | Value.....\$                                                                  | —                                    | —                              | —                       | —                              | 1,804                   | 1,175         | —      | —      | 1,372   | 350                | 150        | —      |

[illegible]

## I. Fish Caught and Marketed, 1927—con.

|    | Fishing Districts                                                     | Perch             |            | Salmon            |            | Shad              |            |        | Smelts            |            |
|----|-----------------------------------------------------------------------|-------------------|------------|-------------------|------------|-------------------|------------|--------|-------------------|------------|
|    |                                                                       | Caught and landed | Marketed   | Caught and landed | Marketed   | Caught and landed | Marketed   |        | Caught and landed | Marketed   |
|    |                                                                       |                   | Used fresh |                   | Used fresh |                   | Used fresh | Salted |                   | Used fresh |
|    |                                                                       | cwt.              | cwt.       | cwt.              | cwt.       | cwt.              | cwt.       | bbl.   | cwt.              | cwt.       |
|    | <b>New Brunswick Sea Fisheries—con.</b>                               |                   |            |                   |            |                   |            |        |                   |            |
| 1  | <b>Total Sea Fisheries for Province—</b>                              |                   |            |                   |            |                   |            |        |                   |            |
| 2  | Quantity.....                                                         | 3                 | 3          | 22,036            | 22,036     | 2,729             | 2,714      | 6      | 46,184            | 46,184     |
|    | Value.....\$                                                          | 9                 | 18         | 295,053           | 405,030    | 19,889            | 26,062     | 132    | 434,548           | 686,163    |
| 3  | Charlotte County—                                                     |                   |            |                   |            |                   |            |        |                   |            |
|    | International boundary line to Back Bay.....                          | —                 | —          | —                 | —          | —                 | —          | —      | 115               | 115        |
| 4  | Back Bay to St. John county line....                                  | —                 | —          | —                 | —          | —                 | —          | —      | 34                | 34         |
| 5  | Campobello and West Isles.....                                        | —                 | —          | —                 | —          | —                 | —          | —      | 45                | 45         |
| 6  | Grand Manan Island.....                                               | —                 | —          | —                 | —          | —                 | —          | —      | —                 | —          |
| 7  | Total quantity.....                                                   | —                 | —          | —                 | —          | —                 | —          | —      | 194               | 194        |
| 8  | Total value.....\$                                                    | —                 | —          | —                 | —          | —                 | —          | —      | 1,903             | 1,903      |
| 9  | St. John County (all)—                                                |                   |            |                   |            |                   |            |        |                   |            |
| 10 | Total quantity.....                                                   | —                 | —          | 3,450             | 3,450      | 1,625             | 1,625      | —      | —                 | —          |
|    | Total value.....\$                                                    | —                 | —          | 56,925            | 66,268     | 14,625            | 17,222     | —      | —                 | —          |
| 11 | Albert County (all)—                                                  |                   |            |                   |            |                   |            |        |                   |            |
| 12 | Total quantity.....                                                   | —                 | —          | —                 | —          | —                 | —          | —      | —                 | —          |
|    | Total value.....\$                                                    | —                 | —          | —                 | —          | —                 | —          | —      | —                 | —          |
| 13 | Westmorland County—                                                   |                   |            |                   |            |                   |            |        |                   |            |
| 14 | Nova Scotia line to Kent county line..                                | —                 | —          | —                 | —          | —                 | —          | —      | 2,677             | 2,877      |
|    | Bay of Fundy.....                                                     | —                 | —          | 12                | 12         | 73                | 58         | 6      | —                 | —          |
| 15 | Total quantity.....                                                   | —                 | —          | 12                | 12         | 73                | 58         | 6      | 2,677             | 2,877      |
| 16 | Total value.....\$                                                    | —                 | —          | 224               | 224        | 1,378             | 1,246      | 132    | 21,416            | 38,762     |
| 17 | Kent County—                                                          |                   |            |                   |            |                   |            |        |                   |            |
|    | Westmorland county line to (but not including) Chockfish river.....   | —                 | —          | —                 | —          | —                 | —          | —      | 5,254             | 5,254      |
| 18 | Chockfish river to Point Sapin.....                                   | 3                 | 3          | 1,036             | 1,036      | 70                | 70         | —      | 3,817             | 3,617      |
| 19 | Point Sapin to Northumberland county line.....                        | —                 | —          | 250               | 250        | —                 | —          | —      | —                 | —          |
| 20 | Total quantity.....                                                   | 3                 | 3          | 1,286             | 1,286      | 70                | 70         | —      | 9,071             | 8,871      |
| 21 | Total value.....\$                                                    | 9                 | 18         | 16,046            | 30,359     | 350               | 350        | —      | 90,597            | 103,612    |
| 22 | Northumberland County—                                                |                   |            |                   |            |                   |            |        |                   |            |
|    | Kent county line to Point au Car.....                                 | —                 | —          | 6,435             | 6,435      | —                 | —          | —      | 7,305             | 7,30       |
| 23 | Northwest and Southwest Miramichi river.....                          | —                 | —          | 255               | 255        | 343               | 343        | —      | —                 | —          |
| 24 | Point au Car to Gloucester county line (including Miramichi Bay)..... | —                 | —          | 1,607             | 1,607      | 618               | 618        | —      | 14,213            | 14,213     |
| 25 | Total quantity.....                                                   | —                 | —          | 8,297             | 8,297      | 961               | 961        | —      | 21,518            | 21,518     |
| 26 | Total value.....\$                                                    | —                 | —          | 114,343           | 200,665    | 3,536             | 7,244      | —      | 209,357           | 430,360    |
| 27 | Gloucester County—                                                    |                   |            |                   |            |                   |            |        |                   |            |
|    | Northumberland county line to Inkerman.....                           | —                 | —          | 805               | 805        | —                 | —          | —      | 375               | 375        |
| 28 | Islands of Shippegan and Miscou.....                                  | —                 | —          | —                 | —          | —                 | —          | —      | 1,223             | —          |
| 29 | Inkerman to Glen Anglin.....                                          | —                 | —          | 612               | 612        | —                 | —          | —      | 2,106             | 3,329      |
| 30 | Glen Anglin to Restigouche county line.....                           | —                 | —          | 2,936             | 2,936      | —                 | —          | —      | 375               | 375        |
| 31 | Total quantity.....                                                   | —                 | —          | 4,353             | 4,353      | —                 | —          | —      | 4,079             | 4,079      |
| 32 | Total value.....\$                                                    | —                 | —          | 50,897            | 50,897     | —                 | —          | —      | 30,921            | 31,172     |
| 33 | Restigouche County (all)—                                             |                   |            |                   |            |                   |            |        |                   |            |
| 34 | Total quantity.....                                                   | —                 | —          | 4,688             | 4,688      | —                 | —          | —      | 8,645             | 8,645      |
|    | Total value.....\$                                                    | —                 | —          | 56,618            | 56,618     | —                 | —          | —      | 80,354            | 80,354     |



## I. Fish Caught and Marketed, 1927—con.

| Trout             |              | Eels              |            | Tom Cod           |                  | Mixed Fish        |            |        |
|-------------------|--------------|-------------------|------------|-------------------|------------------|-------------------|------------|--------|
| Caught and landed | Marketed     | Caught and landed | Marketed   | Caught and landed | Marketed         | Caught and landed | Marketed   |        |
|                   | Used fresh   |                   | Used fresh |                   | Used fresh       |                   | Used fresh |        |
| cwt.              | cwt.         | cwt.              | cwt.       | cwt.              | cwt.             | cwt.              | cwt.       |        |
| 172<br>3,998      | 172<br>3,998 | 32<br>300         | 32<br>300  | 20,246<br>35,935  | 20,246<br>91,979 | 733<br>630        | 733<br>630 | 1<br>2 |
| -                 | -            | -                 | -          | -                 | -                | 205               | 205        | 3      |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 4      |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 5      |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 6      |
| -                 | -            | -                 | -          | -                 | -                | 205               | 205        | 7      |
| -                 | -            | -                 | -          | -                 | -                | 102               | 102        | 8      |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 9      |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 10     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 11     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 12     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 13     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 14     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 15     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 16     |
| 10                | 10           | -                 | -          | 770               | 770              | -                 | -          | 17     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 18     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 19     |
| 10                | 10           | -                 | -          | 770               | 770              | -                 | -          | 20     |
| 180               | 180          | -                 | -          | 770               | 770              | -                 | -          | 21     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 22     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 23     |
| -                 | -            | -                 | -          | 14,011            | 14,011           | -                 | -          | 24     |
| -                 | -            | -                 | -          | 14,011            | 14,011           | -                 | -          | 25     |
| -                 | -            | -                 | -          | 28,022            | 84,066           | -                 | -          | 26     |
| 5                 | 5            | 20                | 20         | -                 | -                | -                 | -          | 27     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 28     |
| -                 | -            | -                 | -          | -                 | -                | -                 | -          | 29     |
| -                 | -            | -                 | -          | 3,600             | 3,600            | -                 | -          | 30     |
| 5                 | 5            | 20                | 20         | 3,600             | 3,600            | -                 | -          | 31     |
| 50                | 50           | 120               | 120        | 3,600             | 3,600            | -                 | -          | 32     |
| 157               | 157          | 12                | 12         | 1,865             | 1,865            | 528               | 528        | 33     |
| 3,768             | 3,768        | 180               | 180        | 3,543             | 3,543            | 528               | 528        | 34     |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                                                        | Clams and Quahaugs |            |         | Cockles           |          | Lobsters          |                  |         |           |
|--------------------------------------------------------------------------|--------------------|------------|---------|-------------------|----------|-------------------|------------------|---------|-----------|
|                                                                          | Caught and landed  | Marketed   |         | Caught and landed | Marketed | Caught and landed | Marketed         |         |           |
|                                                                          |                    | Used fresh | Canned  |                   |          |                   | Shipped in shell | Canned  | Tom-alley |
| <b>New Brunswick—Sea Fisheries—con.</b>                                  | bbl.               | bbl.       | cases   | cwt.              | cwt.     | cwt.              | cwt.             | cases   | cases     |
| <b>Total Sea Fisheries for Province—</b>                                 |                    |            |         |                   |          |                   |                  |         |           |
| 1 Quantity.....                                                          | 33,197             | 9,595      | 22,692  | 143               | 143      | 49,752            | 16,162           | 18,866  | 103       |
| 2 Value.....\$                                                           | 52,354             | 16,319     | 114,379 | 500               | 500      | 694,212           | 431,870          | 522,162 | 1,021     |
| 3 Charlotte County—                                                      |                    |            |         |                   |          |                   |                  |         |           |
| 4 International boundary line to Back Bay.....                           | 4,832              | 2,190      | 2,082   | 143               | 143      | 13                | 13               | —       | —         |
| 5 Back Bay to St. John county line....                                   | 19,101             | 3,946      | 15,715  | —                 | —        | 802               | 802              | —       | —         |
| 6 Campobello and West Isles.....                                         | 560                | 560        | —       | —                 | —        | 379               | 379              | —       | —         |
| 7 Grand Manan Island.....                                                | —                  | —          | —       | —                 | —        | 4,222             | 4,222            | —       | —         |
| 8 Total quantity.....                                                    | 24,493             | 6,696      | 17,797  | 143               | 143      | 5,416             | 5,416            | —       | —         |
| 9 Total value.....\$                                                     | 36,338             | 9,645      | 86,954  | 500               | 500      | 155,657           | 155,657          | —       | —         |
| 10 St. John County (all)—                                                |                    |            |         |                   |          |                   |                  |         |           |
| 11 Total quantity.....                                                   | —                  | —          | —       | —                 | —        | 1,300             | 1,300            | —       | —         |
| 12 Total value.....\$                                                    | —                  | —          | —       | —                 | —        | 37,050            | 38,350           | —       | —         |
| 13 Albert County (all)—                                                  |                    |            |         |                   |          |                   |                  |         |           |
| 14 Total quantity.....                                                   | —                  | —          | —       | —                 | —        | 19                | 19               | —       | —         |
| 15 Total value.....\$                                                    | —                  | —          | —       | —                 | —        | 418               | 418              | —       | —         |
| 16 Westmorland County—                                                   |                    |            |         |                   |          |                   |                  |         |           |
| 17 Nova Scotia line to Kent county line.                                 | 3,012              | 1,440      | 1,572   | —                 | —        | 7,903             | 7,034            | 4,021   | 77        |
| 18 Bay of Fundy.....                                                     | —                  | —          | —       | —                 | —        | —                 | —                | —       | —         |
| 19 Total quantity.....                                                   | 3,012              | 1,440      | 1,572   | —                 | —        | 7,903             | 7,034            | 4,021   | 77        |
| 20 Total value.....\$                                                    | 8,132              | 3,248      | 13,104  | —                 | —        | 118,545           | 197,791          | 116,151 | 813       |
| 21 Kent County—                                                          |                    |            |         |                   |          |                   |                  |         |           |
| 22 Westmorland county line to (but not including) Chockfish river.....   | 494                | 494        | —       | —                 | —        | 5,326             | 498              | 972     | —         |
| 23 Chockfish river to Point Sapin.....                                   | —                  | —          | —       | —                 | —        | 2,773             | 464              | 1,154   | —         |
| 24 Point Sapin to Northumberland county line.....                        | —                  | —          | —       | —                 | —        | 2,764             | —                | 1,176   | —         |
| 25 Total quantity.....                                                   | 494                | 494        | —       | —                 | —        | 10,863            | 962              | 3,302   | —         |
| 26 Total value.....\$                                                    | 2,011              | 2,011      | —       | —                 | —        | 140,020           | 23,574           | 93,576  | —         |
| 27 Northumberland County—                                                |                    |            |         |                   |          |                   |                  |         |           |
| 28 Kent county line to Point au Car.....                                 | —                  | —          | —       | —                 | —        | 3,121             | 80               | 1,666   | —         |
| 29 Northwest and Southwest Miramichi river.....                          | —                  | —          | —       | —                 | —        | —                 | —                | —       | —         |
| 30 Point au Car to Gloucester county line (including Miramichi Bay)..... | 910                | —          | —       | —                 | —        | 3,088             | —                | 1,479   | —         |
| 31 Total quantity.....                                                   | 910                | —          | —       | —                 | —        | 6,209             | 80               | 3,145   | —         |
| 32 Total value.....\$                                                    | 910                | —          | —       | —                 | —        | 59,802            | 960              | 88,265  | —         |
| 33 Gloucester County—                                                    |                    |            |         |                   |          |                   |                  |         |           |
| 34 Northumberland county line to Inkerman.....                           | 400                | —          | 3,323   | —                 | —        | 1,752             | —                | 887     | —         |
| Islands of Shippegan and Miscou.....                                     | 225                | —          | —       | —                 | —        | 7,449             | —                | 3,725   | —         |
| Inkerman to Glen Anglin.....                                             | 3,423              | 725        | —       | —                 | —        | 5,644             | 88               | 2,818   | 26        |
| Glen Anglin to Restigouche county line.....                              | 20                 | 20         | —       | —                 | —        | 2,111             | 1,029            | 542     | —         |
| 35 Total quantity.....                                                   | 4,068              | 745        | 3,323   | —                 | —        | 16,956            | 1,117            | 7,972   | 26        |
| 36 Total value.....\$                                                    | 4,303              | 755        | 14,321  | —                 | —        | 168,548           | 11,610           | 212,242 | 208       |
| 37 Restigouche County (all)—                                             |                    |            |         |                   |          |                   |                  |         |           |
| 38 Total quantity.....                                                   | 220                | 220        | —       | —                 | —        | 1,086             | 234              | 426     | —         |
| 39 Total value.....\$                                                    | 660                | 660        | —       | —                 | —        | 14,172            | 3,510            | 11,923  | —         |

### I. Fish Caught and Marketed, 1927—con.

[illegible]

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                            |                                | Alewives                |               |        | Bass |
|----------------------------------------------|--------------------------------|-------------------------|---------------|--------|------|
|                                              |                                | Caught<br>and<br>landed | Marketed      |        |      |
|                                              |                                |                         | Used<br>fresh | Salted |      |
| New Brunswick <sup>1</sup> —Inland Fisheries |                                | cwt.                    | cwt.          | bbl.   | cwt. |
| Total Inland Fisheries for Province—         |                                |                         |               |        |      |
| 1                                            | Quantity.....                  | 660                     | 264           | 132    | 12   |
| 2                                            | Value caught and landed.....\$ | 1,980                   | —             | —      | 216  |
| 3                                            | Value marketed.....\$          | —                       | 792           | 1,188  | 216  |
| 4                                            | Victoria County.....quantity   | —                       | —             | —      | —    |
| 5                                            | .....value \$                  | —                       | —             | —      | —    |
| 6                                            | Carleton County.....quantity   | —                       | —             | —      | —    |
| 7                                            | .....value \$                  | —                       | —             | —      | —    |
| 8                                            | York County.....quantity       | 26                      | 26            | —      | —    |
| 9                                            | .....value \$                  | 78                      | 78            | —      | —    |
| 10                                           | Sunbury County.....quantity    | 120                     | 120           | —      | —    |
| 11                                           | .....value \$                  | 360                     | 360           | —      | —    |
| 12                                           | Queens County.....quantity     | 402                     | 78            | 108    | —    |
| 13                                           | .....value \$                  | 1,206                   | 234           | 972    | —    |
| 14                                           | Kings County.....quantity      | 112                     | 40            | 24     | 12   |
| 15                                           | .....value \$                  | 336                     | 120           | 216    | 216  |

<sup>1</sup> The values given for the counties are the marketed values.

## I. Fish Caught and Marketed, 1927—con.

| Eels | Mulletts | Perch | Pickarel | Salmon | Shad  | Sturgeon | Whitefish |
|------|----------|-------|----------|--------|-------|----------|-----------|
| cwt. | cwt.     | cwt.  | cwt.     | cwt.   | cwt.  | cwt.     | cwt.      |
| 125  | 255      | 28    | 480      | 378    | 674   | 24       | 35 1      |
| 500  | 1,005    | 140   | 5,560    | 9,250  | 4,044 | 528      | 360 2     |
| 500  | 1,005    | 140   | 5,560    | 9,250  | 4,044 | 528      | 360 3     |
| -    | -        | -     | -        | 10     | 24    | -        | 5 4       |
| -    | -        | -     | -        | 250    | 144   | -        | 60 5      |
| -    | -        | -     | -        | 51     | -     | -        | - 6       |
| -    | -        | -     | -        | 1,275  | -     | -        | - 7       |
| -    | 15       | -     | -        | 173    | 8     | -        | - 8       |
| -    | 45       | -     | -        | 4,325  | 48    | -        | - 9       |
| -    | -        | 5     | 100      | 24     | 14    | -        | - 10      |
| -    | -        | 25    | 1,000    | 400    | 84    | -        | - 11      |
| 45   | 100      | 9     | 140      | 4      | 380   | 5        | - 12      |
| 180  | 400      | 45    | 1,680    | 100    | 2,280 | 100      | - 13      |
| 80   | 140      | 14    | 240      | 116    | 248   | 19       | - 14      |
| 320  | 560      | 70    | 2,880    | 2,900  | 1,488 | 418      | 300 15    |

NOTE.—In addition to the quantities shown in the above table, there were taken by anglers in Inland New Brunswick 598 cwt. of fish valued at \$11,015.

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                 |                                         | Cod               |            |              |        |         |           |                         |                   | Haddock  |         |
|-----------------------------------|-----------------------------------------|-------------------|------------|--------------|--------|---------|-----------|-------------------------|-------------------|----------|---------|
|                                   |                                         | Caught and landed | Marketed   |              |        |         |           |                         | Caught and landed | Marketed |         |
|                                   |                                         |                   | Used fresh | Green-salted | Canned | Dried   | Bone-less | Cod liveroil, medicinal |                   |          | Cod oil |
|                                   |                                         | cwt.              | cwt.       | cwt.         | cases  | cwt.    | cwt.      | gal.                    | gal.              | cwt.     | cwt.    |
| Quebec—Sea Fisheries              |                                         |                   |            |              |        |         |           |                         |                   |          |         |
| Total Sea Fisheries for Province— |                                         |                   |            |              |        |         |           |                         |                   |          |         |
| 1                                 | Quantity.....                           | 460,573           | 6,898      | 16,621       | 250    | 139,513 | 1,020     | 22,640                  | 62,165            | 2,500    | 833     |
| 2                                 | Value.....\$                            | 724,746           | 23,285     | 60,401       | 1,516  | 873,898 | 10,290    | 18,924                  | 23,571            | 2,506    | 4,998   |
| Bonaventure County—               |                                         |                   |            |              |        |         |           |                         |                   |          |         |
| 3                                 | Head of tide to Miguacha....            | —                 | —          | —            | —      | —       | —         | —                       | —                 | —        | —       |
| 4                                 | Miguacha to New Richmond....            | 437               | 210        | 60           | —      | 34      | —         | —                       | —                 | —        | —       |
| 5                                 | New Richmond to Paspebiac....           | 3,656             | 320        | 677          | —      | 659     | —         | —                       | —                 | —        | —       |
| 6                                 | Paspebiac to Point Maquereau.....       | 55,410            | 379        | —            | —      | 18,412  | —         | 25                      | 2,944             | 2,500    | 833     |
| 7                                 | Total quantity.....                     | 59,503            | 909        | 737          | —      | 19,105  | —         | 25                      | 2,944             | 2,500    | 833     |
| 8                                 | Total value.....\$                      | 61,768            | 2,419      | 3,685        | —      | 115,791 | —         | 25                      | 912               | 2,500    | 4,998   |
| Gaspé County—                     |                                         |                   |            |              |        |         |           |                         |                   |          |         |
| 9                                 | Point Maquereau to Grand River.....     | 21,054            | —          | —            | —      | 7,230   | —         | —                       | 3,687             | —        | —       |
| 10                                | Grand River to Point St. Peter.....     | 64,140            | 3,822      | 3,917        | —      | 17,481  | —         | 3,335                   | 4,792             | —        | —       |
| 11                                | Point St. Peter to Cape Gaspé.....      | 25,326            | —          | —            | —      | 8,442   | —         | —                       | 8,442             | —        | —       |
| 12                                | Cape Gaspé to Fame Point....            | 74,400            | —          | —            | —      | 24,800  | —         | 17,280                  | 900               | —        | —       |
| 13                                | Fame Point to Duchesnay township.....   | 36,197            | 220        | 3,526        | —      | 10,000  | —         | —                       | 10,000            | —        | —       |
| 14                                | Total quantity.....                     | 221,117           | 4,042      | 7,443        | —      | 67,953  | —         | 20,615                  | 27,821            | —        | —       |
| 15                                | Total value.....\$                      | 403,478           | 12,092     | 22,963       | —      | 513,227 | —         | 16,899                  | 10,725            | —        | —       |
| Magdalen Islands—                 |                                         |                   |            |              |        |         |           |                         |                   |          |         |
| 16                                | Southern subdistrict.....               | 35,230            | —          | 3,650        | 220    | 8,073   | 1,020     | —                       | 5,840             | —        | —       |
| 17                                | Northern subdistrict.....               | 3,664             | —          | 1,337        | —      | 330     | —         | —                       | 500               | —        | —       |
| 18                                | Total quantity.....                     | 38,894            | —          | 4,987        | 220    | 8,403   | 1,020     | —                       | 6,340             | —        | —       |
| 19                                | Total value.....\$                      | 58,341            | —          | 25,646       | 1,276  | 46,116  | 10,200    | —                       | 2,653             | —        | —       |
| Saguenay County—                  |                                         |                   |            |              |        |         |           |                         |                   |          |         |
| 20                                | Godbout to Jamhons.....                 | 55                | 35         | 10           | —      | —       | —         | —                       | 5                 | —        | —       |
| 21                                | Jamhons to Pignons River....            | 300               | 300        | —            | —      | —       | —         | —                       | —                 | —        | —       |
| 22                                | Pignons River to Havre St. Pierre.....  | 19,107            | —          | 105          | —      | 6,299   | —         | —                       | 6,299             | —        | —       |
| 23                                | Havre St. Pierre to Kegashka River..... | 9,282             | —          | 1,596        | —      | 2,030   | —         | —                       | 1,200             | —        | —       |
| 24                                | Kegashka River to Mouton Bay.....       | 39,870            | —          | 600          | —      | 12,890  | —         | —                       | 13,000            | —        | —       |
| 25                                | Mouton Bay to Blanc Sablon....          | 36,784            | 135        | 551          | 30     | 11,833  | —         | 2,000                   | 4,481             | —        | —       |
| 26                                | Blanc Sablon to Bonne Espérance.....    | 33,560            | 160        | 200          | —      | 11,000  | —         | —                       | —                 | —        | —       |
| 27                                | Total quantity.....                     | 138,958           | 630        | 3,062        | 30     | 44,052  | —         | 2,000                   | 24,985            | —        | —       |
| 28                                | Total value.....\$                      | 193,058           | 1,457      | 7,323        | 240    | 198,764 | —         | 2,000                   | 9,244             | —        | —       |
| Matane County—                    |                                         |                   |            |              |        |         |           |                         |                   |          |         |
| 29                                | Total quantity.....                     | 901               | 117        | 392          | —      | —       | —         | —                       | 75                | —        | —       |
| 30                                | Total value.....\$                      | 901               | 117        | 784          | —      | —       | —         | —                       | 37                | —        | —       |
| Rimouski County—                  |                                         |                   |            |              |        |         |           |                         |                   |          |         |
| 31                                | Total quantity.....                     | 1,200             | 1,200      | —            | —      | —       | —         | —                       | —                 | —        | —       |
| 32                                | Total value.....\$                      | 7,200             | 7,200      | —            | —      | —       | —         | —                       | —                 | —        | —       |

## I. Fish Caught and Marketed, 1927—con.

| Hake and Cusk     |          | Halibut           |            | Herring           |            |        |         |              |            | Mackerel          |            |         | Sardines          |                       |
|-------------------|----------|-------------------|------------|-------------------|------------|--------|---------|--------------|------------|-------------------|------------|---------|-------------------|-----------------------|
| Caught and landed | Marketed | Caught and landed | Marketed   | Caught and landed | Marketed   |        |         |              |            | Caught and landed | Marketed   |         | Caught and landed | Marketed              |
|                   | Dried    |                   | Used fresh |                   | Used fresh | Smoked | Pickled | Used as bait | Fertilizer |                   | Used fresh | Salted  |                   | Used fresh and salted |
| cwt.              | cwt.     | cwt.              | cwt.       | cwt.              | cwt.       | cwt.   | bbl.    | bbl.         | bbl.       | cwt.              | cwt.       | bbl.    | bbl.              | bbl.                  |
| 830               | 276      | 848               | 848        | 257,439           | 3,263      | 12,539 | 9,933   | 60,337       | 37,366     | 70,765            | 6,835      | 21,300  | 55                | 55                    |
| 848               | 1,380    | 6,561             | 6,817      | 139,724           | 13,649     | 41,800 | 62,615  | 72,830       | 18,820     | 127,828           | 8,025      | 177,271 | 190               | 325                   |
| —                 | —        | —                 | —          | —                 | —          | —      | —       | —            | —          | —                 | —          | —       | —                 | —                     |
| —                 | —        | —                 | —          | 4,900             | 75         | 50     | 400     | 40           | 1,723      | —                 | —          | —       | —                 | 3                     |
| —                 | —        | —                 | —          | 47,700            | 100        | 400    | 438     | 600          | 22,143     | 275               | 275        | —       | —                 | 4                     |
| —                 | —        | —                 | —          | —                 | —          | —      | —       | —            | —          | —                 | —          | —       | —                 | 5                     |
| 830               | 276      | —                 | —          | 19,126            | —          | 200    | 1,298   | 7,416        | —          | 6,550             | 6,550      | —       | —                 | 6                     |
| 830               | 276      | —                 | —          | 71,726            | 175        | 650    | 2,136   | 8,056        | 23,866     | 6,825             | 6,825      | —       | —                 | 7                     |
| 848               | 1,380    | —                 | —          | 27,163            | 450        | 2,200  | 14,060  | 8,656        | 12,795     | 7,925             | 7,925      | —       | —                 | 8                     |
| —                 | —        | 58                | 58         | —                 | —          | —      | —       | —            | —          | —                 | —          | —       | —                 | 9                     |
| —                 | —        | —                 | —          | 2,330             | 10         | —      | 116     | 1,000        | —          | —                 | —          | —       | —                 | 10                    |
| —                 | —        | —                 | —          | 6,900             | —          | —      | 620     | 2,520        | —          | —                 | —          | —       | —                 | 11                    |
| —                 | —        | —                 | —          | 47,370            | —          | —      | 3,250   | 18,810       | —          | —                 | —          | —       | —                 | 12                    |
| —                 | —        | 20                | 20         | 11,859            | 100        | —      | 953     | 2,450        | 2,000      | —                 | —          | —       | —                 | 13                    |
| —                 | —        | 78                | 78         | 68,459            | 110        | —      | 4,939   | 14,780       | 2,000      | —                 | —          | —       | —                 | 14                    |
| —                 | —        | 544               | 800        | 67,068            | 270        | —      | 35,104  | 14,590       | 2,000      | —                 | —          | —       | —                 | 15                    |
| —                 | —        | —                 | —          | 60,240            | —          | 6,120  | 1,200   | 13,800       | 7,500      | 51,075            | —          | 17,015  | —                 | 16                    |
| —                 | —        | —                 | —          | 49,977            | —          | 5,760  | 500     | 13,500       | 4,000      | 12,810            | —          | 4,270   | —                 | 17                    |
| —                 | —        | —                 | —          | 110,217           | —          | 11,880 | 1,700   | 27,300       | 11,500     | 63,885            | —          | 21,285  | —                 | 18                    |
| —                 | —        | —                 | —          | 27,580            | —          | 39,600 | 6,800   | 19,110       | 4,025      | 119,578           | —          | 177,046 | —                 | 19                    |
| —                 | —        | 12                | 12         | 59                | 41         | —      | 6       | —            | —          | 10                | 10         | —       | —                 | 20                    |
| —                 | —        | 325               | 325        | 150               | 150        | —      | —       | —            | —          | —                 | —          | —       | —                 | 21                    |
| —                 | —        | 88                | 88         | —                 | —          | —      | —       | —            | —          | —                 | —          | —       | —                 | 22                    |
| —                 | —        | 335               | 335        | 80                | 20         | —      | 20      | —            | —          | —                 | —          | —       | 10                | 23                    |
| —                 | —        | —                 | —          | 450               | —          | —      | 40      | 165          | —          | —                 | —          | —       | —                 | 24                    |
| —                 | —        | —                 | —          | 516               | 9          | —      | 145     | 36           | —          | 45                | —          | 15      | —                 | 25                    |
| —                 | —        | —                 | —          | 110               | 20         | —      | 30      | —            | —          | —                 | —          | —       | —                 | 26                    |
| —                 | —        | 760               | 760        | 1,365             | 240        | —      | 241     | 201          | —          | 55                | 10         | 15      | 10                | 27                    |
| —                 | —        | 5,967             | 5,967      | 2,641             | 589        | —      | 1,659   | 474          | —          | 325               | 100        | 225     | 100               | 28                    |
| —                 | —        | 10                | 10         | 3,272             | 340        | —      | 977     | —            | —          | —                 | —          | —       | 45                | 29                    |
| —                 | —        | 50                | 50         | 3,272             | 340        | —      | 4,992   | —            | —          | —                 | —          | —       | 90                | 30                    |
| —                 | —        | —                 | —          | 2,400             | 2,400      | —      | —       | —            | —          | —                 | —          | —       | —                 | 31                    |
| —                 | —        | —                 | —          | 12,000            | 12,000     | —      | —       | —            | —          | —                 | —          | —       | —                 | 32                    |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                          | Salmon            |            |        |            |         | Shad              |                     | Smelts            |                     | Sturgeon          |                     |
|--------------------------------------------|-------------------|------------|--------|------------|---------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|
|                                            | Caught and landed | Marketed   |        |            |         | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh |
|                                            |                   | Used fresh | Canned | Dry-salted | Pickled |                   |                     |                   |                     |                   |                     |
| <b>Quebec—</b>                             | cwt.              | cwt.       | cases  | cwt.       | cwt.    | cwt.              | cwt.                | cwt.              | cwt.                | cwt.              | cwt.                |
| <b>Sea Fisheries—con.</b>                  |                   |            |        |            |         |                   |                     |                   |                     |                   |                     |
| <b>Total Sea Fisheries for Province—</b>   |                   |            |        |            |         |                   |                     |                   |                     |                   |                     |
| 1 Quantity.....                            | 14,094            | 11,837     | 683    | 500        | 616     | 152               | 152                 | 4,289             | 4,289               | 18                | 18                  |
| 2 Value.....                               | 137,384           | 125,206    | 7,285  | 5,600      | 3,759   | 1,356             | 1,356               | 35,188            | 35,108              | 180               | 180                 |
| <b>Bonaventure County—</b>                 |                   |            |        |            |         |                   |                     |                   |                     |                   |                     |
| 3 Head of tide to Miguacha.....            | 630               | 630        | —      | —          | —       | —                 | —                   | 1,400             | 1,400               | —                 | —                   |
| 4 Miguacha to New Richmond.....            | 2,138             | 1,848      | 345    | —          | —       | —                 | —                   | 495               | 495                 | —                 | —                   |
| 5 New Richmond to Paspebiac.....           | 95                | 95         | —      | —          | —       | —                 | —                   | 139               | 139                 | —                 | —                   |
| 6 Paspebiac to Point Maquereau.....        | 3,075             | 3,075      | —      | —          | —       | —                 | —                   | 1,593             | 1,593               | —                 | —                   |
| 7 Total quantity.....                      | 5,938             | 5,648      | 345    | —          | —       | —                 | —                   | 3,627             | 3,627               | —                 | —                   |
| 8 Total value.....                         | 64,131            | 60,651     | 4,486  | —          | —       | —                 | —                   | 30,617            | 32,337              | —                 | —                   |
| <b>Gaspe County—</b>                       |                   |            |        |            |         |                   |                     |                   |                     |                   |                     |
| 9 Point Maquereau to Grand River.....      | 184               | 184        | —      | —          | —       | —                 | —                   | 120               | 120                 | —                 | —                   |
| 10 Grand River to Point St. Peter.....     | 376               | 367        | 10     | —          | —       | 10                | 10                  | 5                 | 5                   | —                 | —                   |
| 11 Point St. Peter to Cape Gaspe.....      | 707               | 707        | —      | —          | —       | —                 | —                   | 457               | 457                 | —                 | —                   |
| 12 Cape Gaspe to Fame Point.....           | —                 | —          | —      | —          | —       | —                 | —                   | —                 | —                   | —                 | —                   |
| 13 Fame Point to Duchesnay township.....   | 480               | 480        | —      | —          | —       | —                 | —                   | —                 | —                   | —                 | —                   |
| 14 Total quantity.....                     | 1,747             | 1,738      | 10     | —          | —       | 10                | 10                  | 582               | 582                 | —                 | —                   |
| 15 Total value.....                        | 18,894            | 20,611     | 135    | —          | —       | 40                | 40                  | 4,331             | 5,531               | —                 | —                   |
| <b>Magdalen Islands—</b>                   |                   |            |        |            |         |                   |                     |                   |                     |                   |                     |
| 16 Southern subdistrict.....               | —                 | —          | —      | —          | —       | —                 | —                   | 80                | 80                  | —                 | —                   |
| 17 Northern subdistrict.....               | —                 | —          | —      | —          | —       | —                 | —                   | —                 | —                   | —                 | —                   |
| 18 Total quantity.....                     | —                 | —          | —      | —          | —       | —                 | —                   | 80                | 80                  | —                 | —                   |
| 19 Total value.....                        | —                 | —          | —      | —          | —       | —                 | —                   | 240               | 240                 | —                 | —                   |
| <b>Saguenay County—</b>                    |                   |            |        |            |         |                   |                     |                   |                     |                   |                     |
| 20 Godbout to Jambons.....                 | 520               | 520        | —      | —          | —       | 2                 | 2                   | —                 | —                   | —                 | —                   |
| 21 Jambons to Pignons River.....           | 1,750             | 1,000      | —      | 500        | —       | —                 | —                   | —                 | —                   | —                 | —                   |
| 22 Pignons River to Havre St. Pierre.....  | 332               | 332        | —      | —          | —       | —                 | —                   | —                 | —                   | —                 | —                   |
| 23 Havre St. Pierre to Kegashka River..... | 792               | 711        | —      | —          | 54      | —                 | —                   | —                 | —                   | —                 | —                   |
| 24 Kegashka River to Mouton Bay.....       | 392               | —          | 200    | —          | 150     | —                 | —                   | —                 | —                   | —                 | —                   |
| 25 Mouton Bay to Blanc Sablon.....         | 753               | 360        | 128    | —          | 190     | —                 | —                   | —                 | —                   | —                 | —                   |
| 26 Blanc Sablon to Bonne Espérance.....    | 350               | 18         | —      | —          | 222     | —                 | —                   | —                 | —                   | —                 | —                   |
| 27 Total quantity.....                     | 4,886             | 2,941      | 328    | 500        | 616     | 2                 | 2                   | —                 | —                   | —                 | —                   |
| 28 Total value.....                        | 36,259            | 25,844     | 2,664  | 5,000      | 3,759   | 16                | 16                  | —                 | —                   | —                 | —                   |
| <b>Matane County—</b>                      |                   |            |        |            |         |                   |                     |                   |                     |                   |                     |
| 29 Total quantity.....                     | 1,210             | 1,210      | —      | —          | —       | 80                | 80                  | —                 | —                   | —                 | —                   |
| 30 Total value.....                        | 12,100            | 12,100     | —      | —          | —       | 400               | 400                 | —                 | —                   | —                 | —                   |
| <b>Rimouski County—</b>                    |                   |            |        |            |         |                   |                     |                   |                     |                   |                     |
| 31 Total quantity.....                     | 300               | 300        | —      | —          | —       | 60                | 60                  | —                 | —                   | 18                | 18                  |
| 32 Total value.....                        | 6,000             | 6,000      | —      | —          | —       | 900               | 900                 | —                 | —                   | 180               | 180                 |



## I. Fish Caught and Marketed, 1927—con.

| Trout             |              |           |           | Caplin            |                        | Eels              |                        | Squid             |                          | Tom Cod           |                        | Mixed Fish        |                        |          |
|-------------------|--------------|-----------|-----------|-------------------|------------------------|-------------------|------------------------|-------------------|--------------------------|-------------------|------------------------|-------------------|------------------------|----------|
| Caught and landed | Marketed     |           |           | Caught and landed | Marketed<br>Used fresh | Caught and landed | Marketed<br>Used fresh | Caught and landed | Marketed<br>Used as bait | Caught and landed | Marketed<br>Used fresh | Caught and landed | Marketed<br>Used fresh |          |
|                   | Used fresh   | Canned    | Pickled   |                   |                        |                   |                        |                   |                          |                   |                        |                   |                        |          |
| cwt.              | cwt.         | cases     | cwt.      | bbl.              | bbl.                   | cwt.              | cwt.                   | bbl.              | bbl.                     | cwt.              | cwt.                   | cwt.              | cwt.                   |          |
| 752<br>7,714      | 626<br>6,780 | 96<br>719 | 30<br>225 | 1,443<br>2,448    | 1,443<br>2,449         | 413<br>2,170      | 413<br>2,370           | 1,202<br>1,577    | 1,202<br>1,577           | 523<br>1,058      | 523<br>1,058           | 8,500<br>42,500   | 8,500<br>42,500        | 1<br>2   |
| 4                 | 4            | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | 420               | 420                    | -                 | -                      | 3        |
| -                 | -            | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | 100               | 100                    | -                 | -                      | 4        |
| -                 | -            | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | 3                 | 3                      | -                 | -                      | 5        |
| 5                 | 5            | -         | -         | 400               | 400                    | -                 | -                      | 700               | 700                      | -                 | -                      | -                 | -                      | 6        |
| 9<br>80           | 9<br>90      | -         | -         | 400<br>400        | 400<br>400             | -                 | -                      | 700<br>700        | 700<br>700               | 523<br>1,058      | 523<br>1,058           | -                 | -                      | 7<br>8   |
| -                 | -            | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | -                 | -                      | -                 | -                      | 9        |
| -                 | -            | -         | -         | -                 | -                      | -                 | -                      | 65                | 65                       | -                 | -                      | -                 | -                      | 10       |
| -                 | -            | -         | -         | -                 | -                      | -                 | -                      | 27                | 27                       | -                 | -                      | -                 | -                      | 11       |
| -                 | -            | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | -                 | -                      | -                 | -                      | 12       |
| 20                | 20           | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | -                 | -                      | -                 | -                      | 13       |
| 20<br>200         | 20<br>200    | -         | -         | -                 | -                      | -                 | -                      | 92<br>157         | 92<br>157                | -                 | -                      | -                 | -                      | 14<br>15 |
| -                 | -            | -         | -         | -                 | -                      | 50                | 50                     | -                 | -                        | -                 | -                      | -                 | -                      | 16       |
| -                 | -            | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | -                 | -                      | -                 | -                      | 17       |
| -                 | -            | -         | -         | -                 | -                      | 50<br>350         | 50<br>350              | -                 | -                        | -                 | -                      | -                 | -                      | 18<br>19 |
| 17                | 17           | -         | -         | -                 | -                      | -                 | -                      | 10                | 10                       | -                 | -                      | -                 | -                      | 20       |
| -                 | -            | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | -                 | -                      | -                 | -                      | 21       |
| -                 | -            | -         | -         | 503               | 503                    | -                 | -                      | -                 | -                        | -                 | -                      | -                 | -                      | 22       |
| 30                | 30           | -         | -         | -                 | -                      | -                 | -                      | -                 | -                        | -                 | -                      | -                 | -                      | 23       |
| -                 | -            | -         | -         | 120               | 120                    | -                 | -                      | 310               | 310                      | -                 | -                      | -                 | -                      | 24       |
| 126               | -            | 96        | 30        | 200               | 200                    | -                 | -                      | 90                | 90                       | -                 | -                      | -                 | -                      | 25       |
| -                 | -            | -         | -         | 200               | 200                    | 200               | 200                    | -                 | -                        | -                 | -                      | -                 | -                      | 26       |
| 173<br>1,234      | 47<br>290    | 96<br>719 | 30<br>225 | 1,023<br>2,029    | 1,023<br>2,029         | 200<br>200        | 200<br>400             | 410<br>720        | 410<br>720               | -                 | -                      | -                 | -                      | 27<br>28 |
| 400<br>3,200      | 400<br>3,200 | -         | -         | 20<br>20          | 20<br>20               | 5<br>40           | 5<br>40                | -                 | -                        | -                 | -                      | -                 | -                      | 29<br>30 |
| 150<br>3,000      | 150<br>3,000 | -         | -         | -                 | -                      | 158<br>1,580      | 158<br>1,580           | -                 | -                        | -                 | -                      | 8,500<br>42,500   | 8,500<br>42,500        | 31<br>32 |



[illegible]

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                           |                                                  | Bass  | Carp   | Catfish | Eels    | Herring | Maskinonge |
|---------------------------------------------|--------------------------------------------------|-------|--------|---------|---------|---------|------------|
|                                             |                                                  | cwt.  | cwt.   | cwt.    | cwt.    | cwt.    | cwt.       |
| <b>Quebec—Inland Fisheries</b>              |                                                  |       |        |         |         |         |            |
| <b>Total Inland Fisheries for Province—</b> |                                                  |       |        |         |         |         |            |
| 1                                           | Quantity.....                                    | 361   | 5,032  | 2,680   | 13,157  | 5,082   | 107        |
| 2                                           | Value.....                                       | 5,534 | 63,298 | 29,497  | 110,778 | 28,379  | 2,426      |
| <b>Below Quebec—</b>                        |                                                  |       |        |         |         |         |            |
| 3                                           | Bellechasse County..... quantity                 | 52    | 23     | —       | 2,450   | —       | —          |
| 4                                           | ..... value \$                                   | 520   | 115    | —       | 19,600  | —       | —          |
| 5                                           | Charlevoix-Saguenay County..... quantity         | —     | —      | —       | 450     | 443     | —          |
| 6                                           | ..... value \$                                   | —     | —      | —       | 3,375   | 5,224   | —          |
| 7                                           | Kamouraska County..... quantity                  | 1     | —      | —       | 468     | 20      | —          |
| 8                                           | ..... value \$                                   | 15    | —      | —       | 4,680   | 60      | —          |
| 9                                           | Montmorency County..... quantity                 | 31    | 9      | —       | 1,625   | —       | —          |
| 10                                          | ..... value \$                                   | 465   | 72     | —       | 13,000  | —       | —          |
| 11                                          | Temiscouata County..... quantity                 | —     | 16     | —       | 509     | 4,619   | —          |
| 12                                          | ..... value \$                                   | —     | 160    | —       | 5,090   | 23,095  | —          |
| 13                                          | Total quantity.....                              | 84    | 48     | —       | 5,502   | 5,082   | —          |
| 14                                          | Total value.....                                 | 1,000 | 347    | —       | 45,745  | 28,379  | —          |
| <b>Above Quebec—</b>                        |                                                  |       |        |         |         |         |            |
| 15                                          | Argenteuil County..... quantity                  | 11    | 52     | 339     | 4       | —       | 2          |
| 16                                          | ..... value \$                                   | 114   | 416    | 3,051   | 40      | —       | 24         |
| 17                                          | Beauharnois County..... quantity                 | 56    | 38     | 31      | 75      | —       | 6          |
| 18                                          | ..... value \$                                   | 500   | 380    | 370     | 750     | —       | 108        |
| 19                                          | Berthier County..... quantity                    | —     | 24     | 106     | 38      | —       | —          |
| 20                                          | ..... value \$                                   | —     | 464    | 954     | 380     | —       | —          |
| 21                                          | Chambly County..... quantity                     | 10    | 154    | 115     | 68      | —       | —          |
| 22                                          | ..... value \$                                   | 200   | 1,232  | 1,536   | 544     | —       | —          |
| 23                                          | Champlain County..... quantity                   | —     | —      | —       | —       | —       | —          |
| 24                                          | ..... value \$                                   | —     | —      | —       | —       | —       | —          |
| 25                                          | Chateauguay County..... quantity                 | —     | 2,200  | 435     | 190     | —       | 26         |
| 26                                          | ..... value \$                                   | —     | 39,600 | 2,970   | 1,330   | —       | 520        |
| 27                                          | Hull County..... quantity                        | —     | 50     | 69      | 1       | —       | —          |
| 28                                          | ..... value \$                                   | —     | 250    | 690     | 10      | —       | —          |
| 29                                          | Huntingdon County..... quantity                  | —     | 26     | 6       | 28      | —       | —          |
| 30                                          | ..... value \$                                   | —     | 130    | 60      | 280     | —       | —          |
| 31                                          | Jacques-Cartier County..... quantity             | 6     | 63     | 20      | 5       | —       | 6          |
| 32                                          | ..... value \$                                   | 120   | 945    | 270     | 75      | —       | 90         |
| 33                                          | Labelle County..... quantity                     | —     | 6      | 131     | 13      | —       | 1          |
| 34                                          | ..... value \$                                   | —     | 60     | 1,716   | 130     | —       | 15         |
| 35                                          | Laprairie County..... quantity                   | —     | 558    | 83      | 26      | —       | —          |
| 36                                          | ..... value \$                                   | —     | 5,580  | 830     | 290     | —       | —          |
| 37                                          | L'Assomption County..... quantity                | 8     | 70     | 117     | 21      | —       | 2          |
| 38                                          | ..... value \$                                   | 160   | 700    | 1,695   | 252     | —       | 54         |
| 39                                          | Levis and Lotbiniere Counties..... quantity      | 13    | —      | 2       | 5,121   | —       | —          |
| 40                                          | ..... value \$                                   | 130   | —      | 12      | 40,908  | —       | —          |
| 41                                          | Maskinonge County..... quantity                  | —     | —      | —       | —       | —       | —          |
| 42                                          | ..... value \$                                   | —     | —      | —       | —       | —       | —          |
| 43                                          | Missisquoi County..... quantity                  | —     | —      | —       | —       | —       | —          |
| 44                                          | ..... value \$                                   | —     | —      | —       | —       | —       | —          |
| 45                                          | Montreal County..... quantity                    | —     | 53     | 46      | 82      | —       | —          |
| 46                                          | ..... value \$                                   | —     | 265    | 478     | 574     | —       | —          |
| 47                                          | Nicolet County..... quantity                     | 29    | 280    | 80      | 169     | —       | 1          |
| 48                                          | ..... value \$                                   | 460   | 1,400  | 800     | 1,690   | —       | 25         |
| 49                                          | Pontiac County..... quantity                     | 2     | 7      | 13      | 3       | —       | 2          |
| 50                                          | ..... value \$                                   | 30    | 35     | 130     | 30      | —       | 40         |
| 51                                          | Richelieu County..... quantity                   | 100   | 40     | 200     | 120     | —       | 20         |
| 52                                          | ..... value \$                                   | 1,500 | 240    | 1,200   | 720     | —       | 500        |
| 53                                          | St. Hyacinthe County..... quantity               | —     | —      | —       | 5       | —       | —          |
| 54                                          | ..... value \$                                   | —     | —      | —       | 50      | —       | —          |
| 55                                          | St. Jean County..... quantity                    | —     | 33     | 114     | 1,001   | —       | —          |
| 56                                          | ..... value \$                                   | —     | 330    | 1,368   | 10,010  | —       | —          |
| 57                                          | Soulanges County..... quantity                   | —     | 41     | 10      | 244     | —       | —          |
| 58                                          | ..... value \$                                   | —     | 246    | 100     | 1,708   | —       | —          |
| 59                                          | Temiskamingue and Abitibi Counties..... quantity | —     | 570    | —       | —       | —       | —          |
| 60                                          | ..... value \$                                   | —     | 5,700  | —       | —       | —       | —          |
| 61                                          | Trois-Rivieres County..... quantity              | 33    | 81     | 76      | 31      | —       | 5          |
| 62                                          | ..... value \$                                   | 945   | 810    | 950     | 620     | —       | 160        |
| 63                                          | Vaudreuil County..... quantity                   | 15    | 165    | 258     | 13      | —       | 36         |
| 64                                          | ..... value \$                                   | 375   | 1,650  | 2,755   | 130     | —       | 900        |
| 65                                          | Vercheres County..... quantity                   | —     | 115    | 103     | 69      | —       | —          |
| 66                                          | ..... value \$                                   | —     | 690    | 618     | 552     | —       | —          |
| 67                                          | Yamaska County..... quantity                     | —     | 338    | 326     | 325     | —       | —          |
| 68                                          | ..... value \$                                   | —     | 2,028  | 5,944   | 3,900   | —       | —          |
| 69                                          | Total quantity.....                              | 277   | 4,984  | 2,680   | 7,655   | —       | 107        |
| 70                                          | Total value.....                                 | 4,534 | 62,951 | 29,497  | 65,033  | —       | 2,426      |

<sup>2</sup> In the statistics for Quebec no distinction has been made between value as caught and landed and value as marketed.

## I. Fish Caught and Marketed, 1927—con.

| Mixed Fish | Perch  | Pickereel or Dore | Pike   | Salmon | Shad  | Smelts | Sturgeon | Trout | White-fish |    |
|------------|--------|-------------------|--------|--------|-------|--------|----------|-------|------------|----|
| cwt.       | cwt.   | cwt.              | cwt.   | cwt.   | cwt.  | cwt.   | cwt.     | cwt.  | cwt.       |    |
| 9,172      | 2,147  | 8,064             | 2,099  | 756    | 646   | 9,139  | 2,028    | 183   | 1,109      | 1  |
| 56,301     | 18,399 | 137,165           | 21,549 | 11,460 | 7,417 | 72,715 | 35,230   | 2,365 | 11,681     | 2  |
| 23         | -      | 36                | -      | -      | 141   | 165    | 485      | -     | 104        | 3  |
| 161        | -      | 360               | -      | -      | 1,128 | 825    | 3,395    | -     | 1,040      | 4  |
| 1,275      | -      | -                 | -      | 743    | -     | 574    | -        | 13    | -          | 5  |
| 2,475      | -      | -                 | -      | 11,145 | -     | 4,690  | -        | 195   | -          | 6  |
| 5          | -      | -                 | -      | 2      | 21    | -      | 19       | -     | -          | 7  |
| 20         | -      | -                 | -      | 40     | 105   | -      | 190      | -     | -          | 8  |
| -          | -      | 10                | -      | -      | 13    | -      | 63       | -     | 13         | 9  |
| 4,500      | 2      | 100               | -      | -      | 156   | -      | 504      | -     | 195        | 10 |
| 22,500     | 20     | -                 | -      | 11     | 53    | 8,400  | 300      | 139   | 2          | 11 |
| -          | -      | -                 | -      | 275    | 424   | 67,200 | 3,000    | 1,390 | 20         | 12 |
| 5,803      | 2      | 46                | -      | 756    | 228   | 9,139  | 867      | 152   | 119        | 13 |
| 25,156     | 20     | 460               | -      | 11,460 | 1,813 | 72,715 | 7,089    | 1,585 | 1,255      | 14 |
| -          | 514    | 10                | 151    | -      | 9     | -      | 10       | -     | -          | 15 |
| -          | 2,056  | 120               | 906    | -      | 72    | -      | 126      | -     | -          | 16 |
| -          | 50     | 38                | 21     | -      | -     | -      | 88       | -     | -          | 17 |
| -          | 490    | 646               | 420    | -      | -     | -      | 2,200    | -     | -          | 31 |
| 81         | 56     | 20                | 56     | -      | 23    | -      | 15       | -     | -          | 19 |
| 567        | 280    | 260               | 336    | -      | 276   | -      | 225      | -     | -          | 20 |
| -          | 88     | 42                | 95     | -      | -     | -      | 13       | -     | -          | 21 |
| -          | 1,056  | 840               | 950    | -      | -     | -      | 300      | -     | -          | 22 |
| -          | -      | 306               | 146    | -      | -     | -      | -        | -     | 417        | 23 |
| -          | -      | 3,060             | 876    | -      | -     | -      | -        | -     | 4,170      | 24 |
| 962        | 151    | 83                | 120    | -      | -     | -      | 47       | -     | -          | 25 |
| 7,696      | 1,812  | 1,079             | 2,280  | -      | -     | -      | 940      | -     | -          | 26 |
| -          | -      | 9                 | 19     | -      | -     | -      | 7        | -     | -          | 27 |
| -          | -      | 108               | 228    | -      | -     | -      | 84       | -     | -          | 28 |
| -          | -      | -                 | -      | -      | -     | -      | 277      | -     | -          | 29 |
| -          | -      | -                 | -      | -      | -     | -      | 8,310    | -     | -          | 30 |
| -          | 45     | 8                 | 15     | -      | 12    | -      | 4        | -     | -          | 31 |
| -          | 450    | 240               | 225    | -      | 180   | -      | 72       | -     | -          | 32 |
| -          | 40     | 15                | 23     | -      | -     | -      | 31       | 1     | -          | 33 |
| -          | 400    | 225               | 230    | -      | -     | -      | 558      | 30    | 15         | 34 |
| -          | 80     | -                 | 71     | -      | -     | -      | 6        | -     | -          | 35 |
| -          | 800    | -                 | 710    | -      | -     | -      | 60       | -     | -          | 36 |
| -          | 141    | 11                | 53     | -      | 32    | -      | 3        | -     | -          | 37 |
| -          | 1,410  | 220               | 636    | -      | 576   | -      | 54       | -     | -          | 38 |
| 92         | 2      | 40                | 2      | -      | 23    | -      | 45       | -     | -          | 17 |
| 552        | 12     | 600               | 30     | -      | 345   | -      | 450      | -     | 255        | 40 |
| 850        | -      | -                 | -      | -      | -     | -      | -        | -     | -          | 41 |
| 10,200     | -      | -                 | -      | -      | -     | -      | -        | -     | -          | 42 |
| 714        | -      | 357               | -      | -      | -     | -      | -        | -     | -          | 43 |
| 6,426      | -      | 8,211             | -      | -      | -     | -      | -        | -     | -          | 44 |
| -          | -      | 2                 | 49     | -      | -     | -      | 5        | -     | -          | 45 |
| -          | -      | 60                | 392    | -      | -     | -      | 175      | -     | -          | 46 |
| 153        | 76     | 118               | 45     | -      | 63    | -      | 157      | -     | -          | 47 |
| 918        | 912    | 2,360             | 540    | -      | 315   | -      | 3,140    | -     | -          | 48 |
| -          | 7      | 3                 | 6      | -      | -     | -      | 1        | -     | 13         | 49 |
| -          | 70     | 60                | 72     | -      | -     | -      | 20       | -     | 78         | 50 |
| 100        | 200    | 20                | 100    | -      | 200   | -      | 10       | -     | -          | 51 |
| 500        | 1,120  | 300               | 800    | -      | 3,000 | -      | 200      | -     | -          | 52 |
| -          | -      | -                 | 2      | -      | -     | -      | -        | -     | -          | 53 |
| -          | -      | -                 | 20     | -      | -     | -      | -        | -     | -          | 54 |
| 116        | 103    | 9                 | 37     | -      | -     | -      | -        | -     | -          | 55 |
| 1,276      | 1,030  | 135               | 370    | -      | -     | -      | -        | -     | -          | 56 |
| -          | 10     | 13                | 11     | -      | -     | -      | 69       | -     | -          | 57 |
| -          | 100    | 234               | 110    | -      | -     | -      | 1,725    | -     | -          | 58 |
| 301        | 22     | 6,696             | 725    | -      | -     | -      | 150      | 30    | 425        | 59 |
| 3,010      | 220    | 113,832           | 8,700  | -      | -     | -      | 3,750    | 750   | 4,250      | 60 |
| -          | 31     | 34                | 38     | -      | 56    | -      | 56       | -     | 4          | 61 |
| -          | 310    | 850               | 225    | -      | 840   | -      | 2,240    | -     | 24         | 62 |
| -          | 166    | 45                | 95     | -      | -     | -      | 48       | -     | -          | 63 |
| -          | 3,320  | 1,125             | 950    | -      | -     | -      | 1,200    | -     | -          | 64 |
| -          | 100    | 64                | 106    | -      | -     | -      | 19       | -     | 100        | 65 |
| -          | 700    | 640               | 636    | -      | -     | -      | 228      | -     | 1,400      | 66 |
| -          | 263    | 75                | 113    | -      | -     | -      | 100      | -     | 13         | 67 |
| -          | 1,841  | 1,500             | 904    | -      | -     | -      | 2,000    | -     | 234        | 68 |
| 3,369      | 2,145  | 8,018             | 2,099  | -      | 418   | -      | 1,161    | 31    | 990        | 69 |
| 31,145     | 18,379 | 136,705           | 21,549 | -      | 5,604 | -      | 28,141   | 780   | 10,426     | 70 |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts           |                                                                                          | Carp           | Catfish | Eels   | Herring | Mixed Fish |
|-----------------------------|------------------------------------------------------------------------------------------|----------------|---------|--------|---------|------------|
| Ontario <sup>1</sup>        |                                                                                          | cwt.           | cwt.    | cwt.   | cwt.    | cwt.       |
| <b>Totals for Province—</b> |                                                                                          |                |         |        |         |            |
| 1                           | Quantity.....                                                                            | 7,686          | 4,094   | 1,270  | 58,099  | 29,564     |
| 2                           | Value caught and landed.....\$                                                           | 26,901         | 24,564  | 12,700 | 174,297 | 118,257    |
| 3                           | Value marketed.....\$                                                                    | 30,744         | 28,658  | 15,240 | 302,114 | 118,257    |
| 4                           | Lake of the Woods and inland waters of Kenora and Rainy River districts.....             | quantity 124   | 1,199   | —      | —       | 2,115      |
| 5                           | value \$                                                                                 | 496            | 8,393   | —      | —       | 8,460      |
| 6                           | Lake Superior.....                                                                       | quantity 15    | —       | —      | 24,594  | 701        |
| 7                           | value \$                                                                                 | 60             | —       | —      | 127,889 | 2,804      |
| 8                           | North Channel (Lake Huron).....                                                          | quantity 41    | —       | —      | 101     | 4,146      |
| 9                           | value \$                                                                                 | 164            | —       | —      | 525     | 16,584     |
| 10                          | Georgian Bay (Lake Huron).....                                                           | quantity 502   | 13      | —      | 194     | 1,504      |
| 11                          | value \$                                                                                 | 2,008          | 91      | —      | 1,009   | 6,016      |
| 12                          | Lake Huron (proper).....                                                                 | quantity 15    | 7       | —      | 2,537   | 1,210      |
| 13                          | value \$                                                                                 | 60             | 49      | —      | 13,192  | 4,841      |
| 14                          | Lake St. Clair, river St. Clair and Detroit river.....                                   | quantity 1,403 | 579     | —      | 1       | 1,948      |
| 15                          | value \$                                                                                 | 5,612          | 4,053   | —      | 5       | 7,792      |
| 16                          | Lake Erie and Upper Niagara river.....                                                   | quantity 1,970 | 424     | —      | 23,087  | 9,859      |
| 17                          | value \$                                                                                 | 7,880          | 2,988   | —      | 120,052 | 39,436     |
| 18                          | Lake Ontario, Lower Niagara and St. Lawrence rivers.....                                 | quantity 685   | 1,070   | 1,109  | 7,308   | 3,251      |
| 19                          | value \$                                                                                 | 2,740          | 7,490   | 13,808 | 38,002  | 13,004     |
| 20                          | Inland Waters—Lake Nipigon, Lake Nipissing, Lake Simcoe, etc. including Ottawa river.... | quantity 2,931 | 802     | 161    | 277     | 4,830      |
| 21                          | value \$                                                                                 | 11,724         | 5,614   | 1,932  | 1,440   | 19,320     |

| Fishing Districts           |                                | Carp        | Catfish | Goldeyes          |            | Herring | Mixed Fish | Mulletts |
|-----------------------------|--------------------------------|-------------|---------|-------------------|------------|---------|------------|----------|
|                             |                                |             |         | Caught and landed | Marketed   |         |            |          |
|                             |                                |             |         |                   | Used fresh |         |            |          |
|                             |                                | cwt.        | cwt.    | cwt.              | cwt.       | cwt.    | cwt.       | cwt.     |
| <b>Manitoba<sup>1</sup></b> |                                |             |         |                   |            |         |            |          |
| <b>Totals for Province—</b> |                                |             |         |                   |            |         |            |          |
| 1                           | Quantity.....                  | 40          | 1,434   | 11,420            | 3,799      | 5,678   | 20         | 217      |
| 2                           | Value caught and landed.....\$ | 160         | 15,242  | 39,339            | —          | —       | 100        | 800      |
| 3                           | Value marketed.....\$          | 240         | 17,610  | —                 | 16,014     | 99,176  | 100        | 918      |
| <b>SUMMER</b>               |                                |             |         |                   |            |         |            |          |
| 4                           | Buffalo Bay.....               | quantity 40 | —       | —                 | 2          | —       | —          | 61       |
| 5                           | value \$                       | 240         | —       | —                 | 10         | —       | —          | 183      |
| 6                           | The Pas.....                   | quantity —  | —       | —                 | —          | —       | —          | —        |
| 7                           | value \$                       | —           | —       | —                 | —          | —       | —          | —        |
| 8                           | Lake Winnipegosis.....         | quantity —  | —       | —                 | —          | —       | —          | 518      |
| 9                           | value \$                       | —           | —       | —                 | —          | —       | —          | 1,036    |
| 10                          | Lake Winnipeg.....             | quantity —  | 1,434   | —                 | 1,593      | 1,130   | —          | 217      |
| 11                          | value \$                       | —           | 17,610  | —                 | 7,751      | 21,049  | —          | 918      |
| 12                          | Total quantity.....            | 40          | 1,434   | —                 | 1,595      | 1,130   | —          | 217      |
| 13                          | Total value marketed.....\$    | 240         | 17,610  | —                 | 7,761      | 21,049  | —          | 918      |
| <b>WINTER</b>               |                                |             |         |                   |            |         |            |          |
| 14                          | Lake Winnipeg.....             | quantity —  | —       | —                 | —          | 4,548   | —          | 47       |
| 15                          | value \$                       | —           | —       | —                 | —          | 78,127  | —          | 132      |
| 16                          | Lake Winnipegosis.....         | quantity —  | —       | —                 | 1,784      | —       | —          | 8,543    |
| 17                          | value \$                       | —           | —       | —                 | 6,734      | —       | —          | 13,160   |
| 18                          | The Pas.....                   | quantity —  | —       | —                 | —          | —       | 20         | —        |
| 19                          | value \$                       | —           | —       | —                 | —          | —       | 100        | —        |
| 20                          | Buffalo Bay.....               | quantity —  | —       | —                 | —          | —       | —          | —        |
| 21                          | value \$                       | —           | —       | —                 | —          | —       | —          | —        |
| 22                          | Lake Manitoba.....             | quantity —  | —       | —                 | —          | —       | —          | 2,254    |
| 23                          | value \$                       | —           | —       | —                 | —          | —       | —          | 4,508    |
| 24                          | Lake St. Martin.....           | quantity —  | —       | —                 | —          | —       | —          | 102      |
| 25                          | value \$                       | —           | —       | —                 | —          | —       | —          | 151      |
| 26                          | Lake Waterhen.....             | quantity —  | —       | —                 | —          | —       | —          | 31       |
| 27                          | value \$                       | —           | —       | —                 | —          | —       | —          | 46       |
| 28                          | Lake Dauphin.....              | quantity —  | —       | —                 | 420        | —       | —          | 143      |
| 29                          | value \$                       | —           | —       | —                 | 1,519      | —       | —          | 267      |
| 30                          | Total quantity.....            | —           | —       | —                 | 2,204      | 4,548   | 20         | 11,120   |
| 31                          | Total value marketed.....\$    | —           | —       | —                 | 8,253      | 78,127  | 100        | 18,264   |

<sup>1</sup> For the districts the values as marketed are given.

NOTE.—In addition to the quantities shown in the above table, there were taken in the province of Manitoba under settlers' permits 42,075 cwt. of fish valued at \$192,970 and by anglers 2,500 cwt. valued at \$17,105.

## I. Fish Caught and Marketed, 1927—con.

| Perch   | Pickereel<br>or<br>Dore | Pickereel<br>(blue) | Pike   | Sturgeon | Sturgeon<br>caviar | Trout     | Tullibee | Whitefish |    |
|---------|-------------------------|---------------------|--------|----------|--------------------|-----------|----------|-----------|----|
| cwt.    | cwt.                    | cwt.                | cwt.   | cwt.     | lb.                | cwt.      | cwt.     | cwt.      |    |
| 28,180  | 21,164                  | 31,173              | 14,002 | 1,529    | 5,663              | 74,978    | 15,520   | 61,658    | 1  |
| 169,080 | 232,793                 | 124,692             | 70,010 | 41,283   | —                  | 914,732   | 155,200  | 739,896   | 2  |
| 211,352 | 300,529                 | 187,038             | 98,014 | 45,870   | 9,060              | 1,192,150 | 194,001  | 937,202   | 3  |
| 239     | 11,627                  | 270                 | 9,417  | 161      | 787                | 1,216     | 5,404    | 6,285     | 4  |
| 1,793   | 165,103                 | 1,620               | 65,919 | 4,830    | 1,259              | 19,334    | 67,550   | 95,532    | 5  |
| —       | 788                     | —                   | 70     | 2        | —                  | 21,967    | 12       | 3,367     | 6  |
| —       | 11,190                  | —                   | 490    | 60       | —                  | 349,275   | 150      | 51,178    | 7  |
| 145     | 1,125                   | —                   | 1,111  | 101      | 12                 | 7,562     | 14       | 2,144     | 8  |
| 1,088   | 15,975                  | —                   | 7,777  | 3,030    | 19                 | 120,236   | 175      | 32,589    | 9  |
| 42      | 966                     | 1                   | 919    | 42       | 222                | 17,263    | 2,654    | 15,596    | 10 |
| 315     | 13,717                  | 6                   | 6,433  | 1,260    | 355                | 274,482   | 33,175   | 237,059   | 11 |
| 940     | 1,879                   | 2                   | 3      | 108      | 705                | 16,696    | 7,138    | 1,915     | 12 |
| 7,050   | 26,682                  | 12                  | 21     | 3,240    | 1,128              | 265,466   | 89,225   | 29,108    | 13 |
| 667     | 440                     | 38                  | 308    | 95       | 434                | —         | —        | 5         | 14 |
| 5,003   | 6,248                   | 228                 | 2,156  | 2,850    | 694                | —         | —        | 76        | 15 |
| 24,906  | 1,670                   | 30,781              | 84     | 407      | 1,812              | 2         | —        | 7,480     | 16 |
| 186,795 | 23,714                  | 184,686             | 588    | 12,210   | 2,899              | 32        | —        | 113,696   | 17 |
| 1,008   | 409                     | 81                  | 1,244  | 57       | 610                | 7,135     | 25       | 15,033    | 18 |
| 7,560   | 5,908                   | 486                 | 8,708  | 1,710    | 976                | 113,447   | 313      | 228,502   | 19 |
| 233     | 2,260                   | —                   | 846    | 556      | 1,081              | 3,137     | 273      | 9,833     | 20 |
| 1,748   | 32,092                  | —                   | 5,922  | 16,680   | 1,730              | 49,878    | 3,413    | 149,462   | 21 |

| Saunders | Perch  | Pickereel | Pike    | Sturgeon | Sturgeon<br>caviar | Trout  | Tullibee                |               |        | Whitefish |
|----------|--------|-----------|---------|----------|--------------------|--------|-------------------------|---------------|--------|-----------|
|          |        |           |         |          |                    |        | Caught<br>and<br>landed | Marketed      |        |           |
|          |        |           |         |          |                    |        |                         | Used<br>fresh | Smoked |           |
| cwt.     | cwt.   | cwt.      | cwt.    | cwt.     | lb.                | cwt.   | cwt.                    | cwt.          | cwt.   | cwt.      |
| 2,461    | 2,161  | 99,813    | 40,166  | 820      | 910                | 1,111  | 102,451                 | 102,391       | 30     | 49,114    |
| 10,937   | 19,983 | 636,067   | 107,696 | 27,124   | 420                | 9,199  | 305,744                 | -             | -      | 236,356   |
| 13,348   | 23,816 | 804,854   | 149,658 | 43,640   | 1,050              | 12,097 | -                       | 418,678       | 425    | 418,461   |
| 28       | 17     | 449       | 152     | -        | -                  | -      | -                       | 175           | -      | 3         |
| 280      | 255    | 7,633     | 1,064   | -        | -                  | -      | -                       | 1,050         | -      | 60        |
| -        | -      | 320       | 100     | 334      | 610                | 273    | -                       | -             | -      | 924       |
| -        | -      | 2,560     | 400     | 1,670    | 600                | 2,730  | -                       | -             | -      | 7,287     |
| -        | -      | 8,748     | 877     | -        | -                  | -      | -                       | 24            | -      | 2,073     |
| -        | -      | 61,236    | 3,238   | -        | -                  | -      | -                       | 102           | -      | 16,314    |
| 498      | 75     | 30,724    | 3,548   | 338      | 300                | -      | -                       | 19,475        | -      | 25,679    |
| 1,804    | 522    | 215,563   | 16,145  | 19,540   | 450                | -      | -                       | 113,656       | -      | 236,323   |
| 526      | 92     | 40,241    | 4,677   | 672      | 910                | 273    | -                       | 19,674        | -      | 28,679    |
| 2,084    | 777    | 286,992   | 20,847  | 36,240   | 1,050              | 2,730  | -                       | 114,808       | -      | 259,984   |
| 1,723    | 305    | 12,887    | 2,652   | -        | -                  | -      | -                       | 52,100        | 30     | 2,531     |
| 9,767    | 3,720  | 82,247    | 11,726  | -        | -                  | -      | -                       | 190,537       | 425    | 31,646    |
| -        | 46     | 16,644    | 13,975  | -        | -                  | -      | -                       | 1,248         | -      | 5,114     |
| -        | 373    | 115,907   | 46,875  | -        | -                  | -      | -                       | 4,907         | -      | 37,559    |
| -        | -      | 2,013     | 725     | 148      | -                  | 838    | -                       | 407           | -      | 9,604     |
| -        | -      | 13,048    | 2,846   | 7,400    | -                  | 9,367  | -                       | 1,628         | -      | 57,353    |
| 3        | -      | 15        | 11      | -        | -                  | -      | -                       | 30            | -      | 20        |
| 30       | -      | 180       | 77      | -        | -                  | -      | -                       | 180           | -      | 21        |
| 209      | 1,620  | 26,106    | 17,316  | -        | -                  | -      | -                       | 28,459        | -      | 1,894     |
| 1,467    | 18,796 | 285,747   | 64,629  | -        | -                  | -      | -                       | 104,906       | -      | 20,775    |
| -        | 94     | 390       | 176     | -        | -                  | -      | -                       | 52            | -      | 712       |
| -        | 94     | 3,904     | 529     | -        | -                  | -      | -                       | 157           | -      | 7,124     |
| -        | 4      | 366       | 456     | -        | -                  | -      | -                       | -             | -      | 530       |
| -        | 56     | 3,331     | 1,423   | -        | -                  | -      | -                       | -             | -      | 4,020     |
| -        | -      | 1,151     | 178     | -        | -                  | -      | -                       | 421           | -      | 28        |
| -        | -      | 7,448     | 706     | -        | -                  | -      | -                       | 1,555         | -      | 29        |
| 1,935    | 2,069  | 59,572    | 35,489  | 148      | -                  | 838    | -                       | 82,717        | 30     | 20,435    |
| 11,264   | 23,039 | 517,862   | 128,811 | 7,400    | -                  | 9,367  | -                       | 303,870       | 425    | 158,477   |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                | Gold-eyes | Mixed Fish | Mulletts | Pickereel | Pike   | Trout  | Tullibee | White-fish |
|----------------------------------|-----------|------------|----------|-----------|--------|--------|----------|------------|
|                                  | cwt.      | cwt.       | cwt.     | cwt.      | cwt.   | cwt.   | cwt.     | cwt.       |
| <b>Saskatchewan<sup>1</sup></b>  |           |            |          |           |        |        |          |            |
| <b>Totals for Province—</b>      |           |            |          |           |        |        |          |            |
| Quantity.....                    | 65        | 2,380      | 2,647    | 3,753     | 3,731  | 2,700  | 1,201    | 41,323     |
| Value caught and landed.....\$   | 650       | 3,741      | 6,432    | 17,894    | 14,078 | 17,669 | 6,186    | 217,540    |
| Value marketed.....\$            | 780       | 4,999      | 10,871   | 34,224    | 24,215 | 29,784 | 9,551    | 389,185    |
| <b>SUMMER</b>                    |           |            |          |           |        |        |          |            |
| Des Isles lake District.....     | quantity  | 25         | 16       | 6         | 14     | 18     | —        | 71         |
| value \$                         | —         | 100        | 80       | 60        | 98     | 252    | —        | 710        |
| Onion lake District.....         | quantity  | 11         | 28       | 15        | 26     | —      | 63       | 171        |
| value \$                         | —         | 44         | 140      | 150       | 182    | —      | 504      | 2,223      |
| Jackfish lake District.....      | quantity  | 5          | 17       | 5         | 15     | —      | —        | 128        |
| value \$                         | —         | 20         | 85       | 50        | 110    | —      | —        | 1,280      |
| Turtle lake District.....        | quantity  | 5          | 14       | —         | 24     | —      | —        | 214        |
| value \$                         | —         | 20         | 70       | —         | 168    | —      | —        | 2,782      |
| Okemasis lake District.....      | quantity  | 65         | 1        | 3         | 4      | —      | —        | 285        |
| value \$                         | —         | 227        | 4        | 27        | 22     | —      | —        | 2,707      |
| Saskatchewan river District..... | quantity  | 29         | 139      | 19        | 72     | —      | —        | —          |
| value \$                         | 65        | 780        | 1,390    | 228       | 720    | —      | —        | —          |
| Long lake District.....          | quantity  | 80         | 89       | 129       | 158    | —      | 90       | 612        |
| value \$                         | —         | 400        | 445      | 1,290     | 1,106  | —      | 450      | 6,120      |
| Total quantity.....              | 65        | 220        | 304      | 177       | 313    | 18     | 153      | 1,481      |
| Total value marketed.....\$      | 780       | 985        | 2,214    | 1,805     | 2,406  | 252    | 954      | 15,822     |
| <b>WINTER</b>                    |           |            |          |           |        |        |          |            |
| Des Isles lake District.....     | quantity  | 43         | 33       | 49        | 47     | 56     | —        | 209        |
| value \$                         | —         | 172        | 165      | 502       | 329    | 737    | —        | 2,345      |
| Onion lake District.....         | quantity  | 37         | 40       | 30        | 45     | —      | 601      | 509        |
| value \$                         | —         | 148        | 200      | 384       | 315    | —      | 5,308    | 7,345      |
| Jackfish lake District.....      | quantity  | 23         | 58       | 18        | 35     | —      | —        | 1,674      |
| value \$                         | —         | 92         | 290      | 216       | 245    | —      | —        | 32,237     |
| Turtle lake District.....        | quantity  | 27         | 43       | —         | 46     | —      | —        | 861        |
| value \$                         | —         | 108        | 215      | —         | 388    | —      | —        | 9,174      |
| Waterhen lake District.....      | quantity  | 25         | 36       | 56        | 34     | —      | 73       | 1,491      |
| value \$                         | —         | 100        | 180      | 560       | 238    | —      | 657      | 15,111     |
| Ile à la Crosse District.....    | quantity  | 380        | 595      | 649       | 625    | 40     | 112      | 7,507      |
| value \$                         | —         | 380        | 595      | 5,841     | 3,750  | 480    | 784      | 67,563     |
| Dôre lake District.....          | quantity  | 760        | 158      | 293       | 629    | 273    | —        | 7,419      |
| value \$                         | —         | 1,140      | 632      | 2,637     | 3,774  | 3,276  | —        | 66,771     |
| Okemasis lake District.....      | quantity  | 40         | 218      | 24        | 71     | —      | 55       | 567        |
| value \$                         | —         | 40         | 872      | 216       | 426    | —      | 385      | 5,103      |
| Montreal lake District.....      | quantity  | 176        | 101      | 220       | 196    | 404    | 34       | 2,120      |
| value \$                         | —         | 528        | 505      | 1,980     | 1,182  | 4,040  | 238      | 20,080     |
| Candle lake District.....        | quantity  | 47         | 68       | 47        | 116    | —      | —        | 174        |
| value \$                         | —         | 235        | 520      | 423       | 928    | —      | —        | 1,740      |
| Lac la Ronge District.....       | quantity  | 393        | 519      | 653       | 512    | 1,909  | 80       | 3,953      |
| value \$                         | —         | 393        | 2,076    | 6,530     | 3,584  | 20,999 | 560      | 35,577     |
| Green lake District.....         | quantity  | 30         | 48       | 51        | 49     | —      | 3        | 392        |
| value \$                         | —         | 45         | 72       | 459       | 294    | —      | 20       | 3,528      |
| Long lake District.....          | quantity  | 50         | 90       | 53        | 205    | —      | 20       | 72         |
| value \$                         | —         | 350        | 540      | 689       | 1,845  | —      | 160      | 936        |
| Qu'Appelle lake District.....    | quantity  | 21         | 24       | 74        | 254    | —      | 60       | 85         |
| value \$                         | —         | 84         | 96       | 888       | 1,778  | —      | 420      | 1,020      |
| Quill lake District.....         | quantity  | 5          | 263      | 9         | 16     | —      | —        | 3          |
| value \$                         | —         | 35         | 1,578    | 90        | 160    | —      | —        | 45         |
| Katepwe lake District.....       | quantity  | 16         | 24       | 51        | 147    | —      | 9        | 85         |
| value \$                         | —         | 64         | 96       | 612       | 1,009  | —      | 63       | 1,020      |
| Peter Pond lake District.....    | quantity  | 100        | 25       | 1,299     | 391    | —      | 1        | 12,721     |
| value \$                         | —         | 100        | 25       | 10,392    | 1,564  | —      | 2        | 103,768    |
| Total quantity.....              | —         | 2,160      | 2,343    | 3,576     | 3,418  | 2,682  | 1,048    | 39,842     |
| Total value marketed.....\$      | —         | 4,014      | 8,657    | 32,419    | 21,809 | 29,532 | 8,597    | 373,363    |

<sup>1</sup> For the districts the values as marketed are given.

NOTE.—In addition to the quantities shown in the above table, there were taken in the province of Saskatchewan under domestic license 14,349 cwt. of fish valued at \$77,075 and by anglers 23,139 cwt. valued at \$185,626.



## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                     | Mixed Fish | Mullet | Perch | Pickerel   | Pike   | Trout   | Tullibee          |            |        | White-fish |
|---------------------------------------|------------|--------|-------|------------|--------|---------|-------------------|------------|--------|------------|
|                                       |            |        |       |            |        |         | Caught and landed | Used fresh | Smoked |            |
| Alberta <sup>1</sup>                  | cwt.       | cwt.   | cwt.  | cwt.       | cwt.   | cwt.    | cwt.              | cwt.       | cwt.   | cwt.       |
| Totals for Province—                  |            |        |       |            |        |         |                   |            |        |            |
| Quantity.....                         | 2,281      | 1,265  | 673   | 6,746      | 10,473 | 10,882  | 2,592             | 2,592      | 30     | 32,355     |
| Value caught and landed.....\$        | 2,581      | 2,226  | 4,590 | 36,339     | 40,207 | 62,583  | 8,560             | —          | —      | 277,817    |
| Value marketed.....\$                 | 2,881      | 2,356  | 6,560 | 65,257     | 63,516 | 126,955 | —                 | 10,195     | 300    | 434,449    |
| SUMMER                                |            |        |       |            |        |         |                   |            |        |            |
| Cold lake District..... quantity      | —          | —      | 190   | 489        | 138    | —       | —                 | 244        | 30     | 579        |
| value \$                              | —          | —      | 1,090 | 3,812      | 572    | —       | —                 | 976        | 300    | 7,048      |
| Lake la Biche District..... quantity  | —          | 543    | 99    | 558        | 1,159  | —       | —                 | 400        | —      | 4,384      |
| value \$                              | —          | 1,086  | 990   | 4,464      | 3,477  | —       | —                 | 1,100      | —      | 65,760     |
| Lake Athabasca..... quantity          | 480        | —      | —     | 310        | 305    | 8,603   | —                 | —          | —      | 1,328      |
| value \$                              | 480        | —      | —     | 3,310      | 1,220  | 94,633  | —                 | —          | —      | 13,280     |
| Lake Athabasca District..... quantity | —          | 83     | 84    | 99         | 245    | —       | —                 | 6          | —      | 310        |
| value \$                              | —          | 166    | 756   | 990        | 490    | —       | —                 | 6          | —      | 3,100      |
| Wabamun lake District..... quantity   | —          | 109    | —     | 131        | 256    | —       | —                 | —          | —      | 497        |
| value \$                              | —          | 218    | —     | 1,048      | 824    | —       | —                 | —          | —      | 6,000      |
| Lesser Slave lake..... quantity       | 650        | 50     | 116   | 1,964      | 1,350  | —       | —                 | 140        | —      | 5,333      |
| value \$                              | 650        | 200    | 1,044 | 17,676     | 2,700  | —       | —                 | 280        | —      | 79,995     |
| Lesser Slave lake Dis-                |            |        |       |            |        |         |                   |            |        |            |
| trict..... quantity                   | —          | —      | —     | 67         | 45     | —       | —                 | —          | —      | 345        |
| value \$                              | —          | —      | —     | 402        | 135    | —       | —                 | —          | —      | 3,450      |
| Lac Ste. Anne District..... quantity  | 51         | —      | —     | 18         | 43     | —       | —                 | 30         | —      | 754        |
| value \$                              | 51         | —      | —     | 144        | 162    | —       | —                 | 60         | —      | 7,540      |
| Total quantity.....                   | 1,181      | 785    | 489   | 3,636      | 3,541  | 8,603   | —                 | 820        | 30     | 13,530     |
| Total value marketed.....\$           | 1,181      | 1,670  | 3,880 | 31,846     | 9,580  | 94,633  | —                 | 2,422      | 300    | 186,173    |
| WINTER                                |            |        |       |            |        |         |                   |            |        |            |
| Cold lake District..... quantity      | 300        | —      | —     | 1,010      | 560    | 1,650   | —                 | 192        | —      | 4,708      |
| value \$                              | 900        | —      | —     | 8,080      | 2,800  | 24,750  | —                 | 192        | —      | 47,080     |
| Lac la Biche District..... quantity   | —          | 36     | 170   | 579        | 1,599  | —       | —                 | 989        | —      | 170        |
| value \$                              | —          | 72     | 2,550 | 5,790      | 12,792 | —       | —                 | 6,270      | —      | 2,558      |
| Athabasca District..... quantity      | 200        | —      | —     | 421        | 248    | —       | —                 | 150        | —      | 1,270      |
| value \$                              | 200        | —      | —     | 5,652      | 996    | —       | —                 | 150        | —      | 19,175     |
| Wabamun lake District..... quantity   | —          | 30     | —     | 15         | 118    | —       | —                 | 9          | —      | 57         |
| value \$                              | —          | 90     | —     | 225        | 472    | —       | —                 | 45         | —      | 8,050      |
| Lesser Slave lake..... quantity       | —          | 402    | 3     | 362        | 2,185  | 422     | —                 | 64         | —      | 4,041      |
| value \$                              | —          | 500    | 30    | 5,430      | 21,850 | 6,330   | —                 | 64         | —      | 40,400     |
| Edson District..... quantity          | —          | 12     | —     | 2          | 49     | —       | —                 | —          | —      | 110        |
| value \$                              | —          | 24     | —     | 20         | 98     | —       | —                 | —          | —      | 1,100      |
| Moose lake District..... quantity     | —          | —      | 11    | 38         | 35     | —       | —                 | 83         | —      | 71         |
| value \$                              | —          | —      | 100   | 456        | 176    | —       | —                 | 166        | —      | 1,050      |
| Pigeon lake District..... quantity    | —          | —      | —     | 122        | 22     | —       | —                 | —          | —      | 2,357      |
| value \$                              | —          | —      | —     | 1,830      | 122    | —       | —                 | —          | —      | 47,140     |
| Buffalo lake District..... quantity   | —          | —      | —     | 14         | 1,067  | —       | —                 | 49         | —      | 43         |
| value \$                              | —          | —      | —     | 112        | 8,536  | —       | —                 | 98         | —      | 516        |
| Sturgeon lake District..... quantity  | —          | —      | —     | 187        | 179    | —       | —                 | 56         | —      | 860        |
| value \$                              | —          | —      | —     | 1,496      | 1,074  | —       | —                 | 308        | —      | 12,040     |
| Trout lake District..... quantity     | 600        | —      | —     | 360        | 870    | 207     | —                 | 120        | —      | 4,612      |
| value \$                              | 600        | —      | —     | 4,320      | 5,020  | 1,242   | —                 | 480        | —      | 69,180     |
| Total quantity.....                   | 1,100      | 480    | 184   | 3,110      | 6,932  | 2,279   | —                 | 1,712      | —      | 18,825     |
| Total value marketed.....\$           | 1,700      | 686    | 2,680 | 33,411     | 53,936 | 32,322  | —                 | 7,773      | —      | 248,276    |
| Yukon Territory                       |            |        |       |            |        |         |                   |            |        |            |
|                                       |            |        |       | Mixed Fish | Pike   | Salmon  | Trout             | Whitefish  |        |            |
|                                       |            |        |       | cwt.       | cwt.   | cwt.    | cwt.              | cwt.       |        |            |
| Totals for Territory—                 |            |        |       |            |        |         |                   |            |        |            |
| Quantity.....                         |            |        |       | 80         | 2      | 805     | 50                | 70         |        |            |
| Value, caught and landed.....\$       |            |        |       | 1,200      | 30     | 6,440   | 750               | 1,050      |        |            |
| Value marketed.....\$                 |            |        |       | 1,600      | 40     | 8,050   | 1,000             | 1,400      |        |            |

<sup>1</sup> For the districts the values as marketed are given.

NOTE.—In addition to the quantities shown in the above table, there were taken in the province of Alberta under domestic license, 12,658 cwt. of fish valued at \$58,965 and by anglers 7,569 cwt. valued at \$95,076.

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                                             | Cod               |            |              |                |                          | Hake and Cusk     |                     | Whiting           |                     |
|---------------------------------------------------------------|-------------------|------------|--------------|----------------|--------------------------|-------------------|---------------------|-------------------|---------------------|
|                                                               | Caught and landed | Marketed   |              |                | Cod liver oil, medicinal | Caught and landed | Marketed Used fresh | Caught and landed | Marketed Used fresh |
|                                                               |                   | Used fresh | Green-salted | Smoked fillets |                          |                   |                     |                   |                     |
| <b>British Columbia</b>                                       | cwt.              | cwt.       | cwt.         | cwt.           | gal.                     | cwt.              | cwt.                | cwt.              | cwt.                |
| 1 Totals for Province—Quantity.....                           | 165               | 98         | 32           | 1              | 204                      | 24                | 24                  | 69                | 69                  |
| 2 Value..... \$                                               | 470               | 273        | 224          | 16             | 408                      | 91                | 102                 | 345               | 487                 |
| 3 District No. 1—                                             |                   |            |              |                |                          |                   |                     |                   |                     |
| 4 Total quantity.....                                         | 19                | 16         | —            | 1              | —                        | 5                 | 5                   | 69                | 69                  |
| 5 Total value..... \$                                         | 133               | 80         | —            | 16             | —                        | 15                | 26                  | 345               | 487                 |
| 6 District No. 2—                                             |                   |            |              |                |                          |                   |                     |                   |                     |
| 7 Prince Rupert and Skeena River District.....                | 143               | 79         | 32           | —              | —                        | —                 | —                   | —                 | —                   |
| 8 Rivers Inlet and Smiths Inlet District.....                 | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 9 Naas River District.....                                    | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 10 Bella Coola and Kimsquit.....                              | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 11 Addenbrooke Island to Lowe Inlet.....                      | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 12 Queen Charlotte Islands.....                               | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 13 Total quantity.....                                        | 143               | 79         | 32           | —              | —                        | —                 | —                   | —                 | —                   |
| 14 Total value..... \$                                        | 322               | 178        | 224          | —              | —                        | —                 | —                   | —                 | —                   |
| 15 District No. 3—                                            |                   |            |              |                |                          |                   |                     |                   |                     |
| 16 Cape Scott to Tatchu Point.....                            | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 17 Tatchu Point to and including Wreck Bay.....               | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 18 Wreck Bay to San Juan Harbour.....                         | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 19 San Juan Harbour to north side Cowichan Bay.....           | 3                 | 3          | —            | —              | 204                      | 19                | 19                  | —                 | —                   |
| 20 North side Cowichan Bay to Big Qualicum River.....         | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 21 Big Qualicum River to and including Oyster River.....      | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 22 Oyster River to Adams River with surrounding district..... | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 23 Adams River to Cape Scott with surrounding district.....   | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 24 Bute Inlet to Gower Point.....                             | —                 | —          | —            | —              | —                        | —                 | —                   | —                 | —                   |
| 25 Total quantity.....                                        | 3                 | 3          | —            | —              | 204                      | 19                | 19                  | —                 | —                   |
| 26 Total value..... \$                                        | 15                | 15         | —            | —              | 408                      | 76                | 76                  | —                 | —                   |

| Fishing Districts                                             | Herring           |            |        |            |         |              |         |        |        |
|---------------------------------------------------------------|-------------------|------------|--------|------------|---------|--------------|---------|--------|--------|
|                                                               | Caught and landed | Marketed   |        |            |         |              |         |        |        |
|                                                               |                   | Used fresh | Smoked | Dry-salted | Pickled | Used as bait | Oil     | Meal   | Scales |
| <b>British Columbia—con.</b>                                  | cwt.              | cwt.       | cwt.   | cwt.       | bbl.    | bbl.         | gal.    | ton    | cwt.   |
| 1 Totals for Province—Quantity.....                           | 1,724,246         | 21,674     | 15,005 | 1,048,190  | 138     | 29,774       | 170,450 | 1,838  | 1,000  |
| 2 Value..... \$                                               | 1,342,032         | 70,725     | 54,305 | 1,483,440  | 2,569   | 94,347       | 61,565  | 97,478 | 3,000  |
| 3 District No. 1—                                             |                   |            |        |            |         |              |         |        |        |
| 4 Total quantity.....                                         | 68,516            | 10,707     | 13,532 | 24,380     | 27      | 195          | —       | —      | —      |
| 5 Total value..... \$                                         | 152,312           | 49,145     | 40,534 | 38,000     | 319     | 770          | —       | —      | —      |
| 6 District No. 2—                                             |                   |            |        |            |         |              |         |        |        |
| 7 Prince Rupert and Skeena River District.....                | 78,714            | 250        | 734    | 7,600      | 50      | 13,673       | 14,000  | 400    | —      |
| 8 Rivers Inlet and Smiths Inlet District.....                 | —                 | —          | —      | —          | —       | —            | —       | —      | —      |
| 9 Naas River District.....                                    | —                 | —          | —      | —          | —       | —            | —       | —      | —      |
| 10 Bella Coola and Kimsquit.....                              | —                 | —          | —      | —          | —       | —            | —       | —      | —      |
| 11 Addenbrooke Island to Lowe Inlet.....                      | 8,615             | —          | —      | —          | —       | 2,650        | 2,530   | 36     | —      |
| 12 Queen Charlotte Islands.....                               | —                 | —          | —      | —          | —       | —            | —       | —      | —      |
| 13 Total quantity.....                                        | 87,329            | 250        | 734    | 7,600      | 50      | 16,323       | 16,530  | 436    | —      |
| 14 Total value..... \$                                        | 83,022            | 1,145      | 7,898  | 30,400     | 1,300   | 57,342       | 6,034   | 21,597 | —      |
| 15 District No. 3—                                            |                   |            |        |            |         |              |         |        |        |
| 16 Cape Scott to Tatchu Point.....                            | 113,650           | —          | —      | 31,480     | —       | —            | 64,847  | 640    | —      |
| 17 Tatchu Point to and including Wreck Bay.....               | 170,080           | —          | —      | —          | —       | —            | 81,008  | 633    | —      |
| 18 Wreck Bay to San Juan Harbour.....                         | 596,821           | 7,321      | 39     | 442,345    | 61      | 10,728       | 8,065   | 129    | —      |
| 19 San Juan Harbour to north side Cowichan Bay.....           | 3,478             | 418        | 400    | —          | —       | 1,130        | —       | —      | —      |
| 20 North side Cowichan Bay to Big Qualicum River.....         | 683,532           | 2,138      | 300    | 542,385    | —       | 1,400        | —       | —      | 1,000  |
| 21 Big Qualicum River to and including Oyster River.....      | —                 | —          | —      | —          | —       | —            | —       | —      | —      |
| 22 Oyster River to Adams River with surrounding district..... | —                 | —          | —      | —          | —       | —            | —       | —      | —      |
| 23 Adams River to Cape Scott with surrounding district.....   | —                 | —          | —      | —          | —       | —            | —       | —      | —      |
| 24 Bute Inlet to Gower Point.....                             | 840               | 840        | —      | —          | —       | —            | —       | —      | —      |
| 25 Total quantity.....                                        | 1,568,401         | 10,717     | 739    | 1,016,210  | 61      | 13,256       | 153,920 | 1,402  | 1,000  |
| 26 Total value..... \$                                        | 1,106,698         | 20,435     | 5,873  | 1,415,040  | 950     | 36,235       | 55,531  | 75,881 | 3,000  |

<sup>1</sup>Comprises Fraser River and Howe Sound.

## I. Fish Caught and Marketed, 1927—con.

| Halibut           |            |        | Flounders         |          | Skate             |          | Soles             |          |    |
|-------------------|------------|--------|-------------------|----------|-------------------|----------|-------------------|----------|----|
| Caught and landed | Marketed   |        | Caught and landed | Marketed | Caught and landed | Marketed | Caught and landed | Marketed |    |
|                   | Used fresh | Smoked |                   |          |                   |          |                   |          |    |
| cwt.              | cwt.       | cwt.   | cwt.              | cwt.     | cwt.              | cwt.     | cwt.              | cwt.     |    |
| 300,532           | 300,495    | 19     | 3,473             | 3,473    | 1,103             | 1,103    | 12,638            | 12,638   | 1  |
| 3,343,138         | 3,840,963  | 370    | 11,091            | 17,631   | 3,283             | 5,490    | 62,753            | 82,180   | 2  |
| 35,572            | 35,535     | 19     | 889               | 889      | 929               | 929      | 7,824             | 7,824    | 3  |
| 444,685           | 500,699    | 370    | 5,334             | 5,334    | 2,791             | 4,841    | 46,944            | 57,595   | 4  |
| 254,434           | 254,434    | -      | 1,935             | 1,935    | 20                | 20       | -                 | -        | 5  |
| -                 | -          | -      | -                 | -        | -                 | -        | -                 | -        | 6  |
| -                 | -          | -      | -                 | -        | -                 | -        | -                 | -        | 7  |
| -                 | -          | -      | -                 | -        | -                 | -        | -                 | -        | 8  |
| 1,996             | 1,996      | -      | 180               | 180      | -                 | -        | 3,861             | 3,861    | 9  |
| -                 | -          | -      | -                 | -        | -                 | -        | -                 | -        | 10 |
| 256,430           | 256,430    | -      | 2,115             | 2,115    | 20                | 20       | 3,861             | 3,861    | 11 |
| 2,844,193         | 3,259,195  | -      | 4,410             | 10,415   | 40                | 40       | 11,583            | 19,306   | 12 |
| 1,505             | 1,505      | -      | -                 | -        | -                 | -        | -                 | -        | 13 |
| 496               | 496        | -      | -                 | -        | -                 | -        | -                 | -        | 14 |
| 5,584             | 5,584      | -      | -                 | -        | 3                 | 3        | -                 | -        | 15 |
| 745               | 745        | -      | 397               | 397      | 137               | 137      | 439               | 439      | 16 |
| 15                | 15         | -      | 6                 | 6        | 2                 | 2        | 255               | 255      | 17 |
| 7                 | 7          | -      | -                 | -        | -                 | -        | -                 | -        | 18 |
| 98                | 98         | -      | -                 | -        | -                 | -        | -                 | -        | 19 |
| 80                | 80         | -      | -                 | -        | -                 | -        | -                 | -        | 20 |
| -                 | -          | -      | 66                | 66       | 12                | 12       | 259               | 259      | 21 |
| 8,530             | 8,530      | -      | 469               | 469      | 154               | 154      | 953               | 953      | 22 |
| 54,260            | 81,069     | -      | 1,347             | 1,882    | 452               | 609      | 4,226             | 5,279    | 23 |

| Pilchards         |            |         |              |           |         | Perch             |          | Smelts            |          |    |
|-------------------|------------|---------|--------------|-----------|---------|-------------------|----------|-------------------|----------|----|
| Caught and landed | Marketed   |         |              |           |         | Caught and landed | Marketed | Caught and landed | Marketed |    |
|                   | Used fresh | Canned  | Used as bait | Oil       | Meal    |                   |          |                   |          |    |
| cwt.              | cwt.       | cases   | bbl.         | gal.      | ton     | cwt.              | cwt.     | cwt.              | cwt.     |    |
| 1,368,582         | 2,017      | 58,501  | 1,737        | 2,673,876 | 12,169  | 1,381             | 1,381    | 1,104             | 1,104    | 1  |
| 1,027,746         | 3,482      | 230,582 | 4,719        | 982,786   | 617,298 | 10,364            | 12,402   | 12,829            | 16,459   | 2  |
| 85                | 85         | -       | -            | -         | -       | 611               | 611      | 956               | 956      | 3  |
| 435               | 584        | -       | -            | -         | -       | 5,515             | 6,653    | 11,568            | 14,675   | 4  |
| -                 | -          | -       | -            | -         | -       | -                 | -        | 43                | 43       | 5  |
| -                 | -          | -       | -            | -         | -       | -                 | -        | -                 | -        | 6  |
| -                 | -          | -       | -            | -         | -       | -                 | -        | -                 | -        | 7  |
| -                 | -          | -       | -            | -         | -       | -                 | -        | -                 | -        | 8  |
| 3,740             | -          | -       | -            | 6,930     | 30      | -                 | -        | -                 | -        | 9  |
| -                 | -          | -       | -            | -         | -       | -                 | -        | -                 | -        | 10 |
| 3,740             | -          | -       | -            | 6,930     | 30      | -                 | -        | 43                | 43       | 11 |
| 3,740             | -          | -       | -            | 2,148     | 1,361   | -                 | -        | 365               | 678      | 12 |
| 282,771           | -          | 7,090   | 84           | 552,758   | 2,432   | -                 | -        | -                 | -        | 13 |
| 722,863           | -          | 39,347  | 300          | 1,444,595 | 6,731   | 71                | 71       | -                 | -        | 14 |
| 359,123           | 1,932      | 12,064  | 1,353        | 669,593   | 2,976   | 140               | 140      | -                 | -        | 15 |
| -                 | -          | -       | -            | -         | -       | 115               | 115      | 77                | 77       | 16 |
| -                 | -          | -       | -            | -         | -       | 72                | 72       | 28                | 28       | 17 |
| -                 | -          | -       | -            | -         | -       | -                 | -        | -                 | -        | 18 |
| -                 | -          | -       | -            | -         | -       | -                 | -        | -                 | -        | 19 |
| -                 | -          | -       | -            | -         | -       | -                 | -        | -                 | -        | 20 |
| -                 | -          | -       | -            | -         | -       | 372               | 372      | -                 | -        | 21 |
| 1,364,757         | 1,932      | 58,501  | 1,737        | 2,666,946 | 12,139  | 770               | 770      | 105               | 105      | 22 |
| 1,023,571         | 2,898      | 230,582 | 4,719        | 980,638   | 615,937 | 4,849             | 5,749    | 896               | 1,106    | 23 |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts            |                                                            | Salmon            |            |            |        |            |            |         |              |
|------------------------------|------------------------------------------------------------|-------------------|------------|------------|--------|------------|------------|---------|--------------|
|                              |                                                            | Caught and landed | Marketed   |            |        |            |            |         |              |
|                              |                                                            |                   | Used fresh | Canned     | Smoked | Dry-salted | Mild-cured | Pickled | Used as bait |
|                              |                                                            | cwt.              | cwt.       | cases      | cwt.   | cwt.       | cwt.       | cwt.    | cwt.         |
| <b>British Columbia—con.</b> |                                                            |                   |            |            |        |            |            |         |              |
| 1                            | Totals for Province—Quantity.....                          | 1,490,395         | 210,096    | 1,361,977  | 432    | 81,170     | 21,918     | 384     | 93           |
| 2                            | Value.....\$                                               | 8,194,577         | 1,780,838  | 11,666,797 | 5,860  | 317,218    | 475,438    | 5,760   | 232          |
| 3                            | District No. 1—                                            |                   |            |            |        |            |            |         |              |
| 4                            | Total quantity.....                                        | 352,890           | 103,227    | 281,504    | 432    | 7,367      | 1,026      | 200     | —            |
| 5                            | Total value.....\$                                         | 2,854,799         | 801,239    | 2,281,504  | 5,860  | 42,085     | 23,376     | 3,000   | —            |
| 6                            | District No. 2—                                            |                   |            |            |        |            |            |         |              |
| 7                            | Prince Rupert and Skeena River District.....               | 204,317           | 32,686     | 187,719    | —      | —          | 9,115      | 184     | —            |
| 8                            | Rivers Inlet and Smiths Inlet District.....                | 82,509            | —          | 98,333     | —      | —          | —          | —       | —            |
| 9                            | Naas River District.....                                   | 33,499            | —          | 39,828     | —      | 36         | —          | —       | —            |
| 10                           | Bella Coola and Kimsquit.....                              | 27,726            | —          | 33,007     | —      | —          | —          | —       | —            |
| 11                           | Addenbrooke Island to Lowe Inlet.....                      | 148,673           | 3,411      | 168,756    | —      | —          | 2,339      | —       | —            |
| 12                           | Queen Charlotte Islands.....                               | 147,239           | —          | 128,270    | —      | 32,400     | —          | —       | —            |
| 13                           | Total quantity.....                                        | 644,053           | 36,097     | 655,913    | —      | 32,436     | 11,454     | 184     | —            |
| 14                           | Total value.....\$                                         | 3,351,038         | 453,967    | 6,435,287  | —      | 111,774    | 242,018    | 2,760   | —            |
| 15                           | District No. 3—                                            |                   |            |            |        |            |            |         |              |
| 16                           | Cape Scott to Tatchu Point.....                            | 32,699            | 5,661      | 32,188     | —      | —          | —          | —       | —            |
| 17                           | Tatchu Point to and including Wreck Bay.....               | 94,234            | 9,415      | 94,463     | —      | 4,376      | —          | —       | —            |
| 18                           | Wreck Bay to San Juan Harbour.....                         | 146,775           | 27,103     | 88,695     | —      | 28,346     | 6,317      | —       | 93           |
| 19                           | San Juan Harbour to north side Cowichan Bay.....           | 39,353            | 5,609      | 34,599     | —      | —          | 3,121      | —       | —            |
| 20                           | North side Cowichan Bay to Big Qualicum River.....         | 18,968            | 6,083      | 13,315     | —      | 1,360      | —          | —       | —            |
| 21                           | Big Qualicum River to and including Oyster River.....      | 18,667            | 3,070      | 18,568     | —      | —          | —          | —       | —            |
| 22                           | Oyster River to Adams River with surrounding district..... | 29,337            | 9,177      | 20,429     | —      | 2,400      | —          | —       | —            |
| 23                           | Adams River to Cape Scott with surrounding district.....   | 105,953           | 119        | 122,213    | —      | 2,540      | —          | —       | 132          |
| 24                           | Bute Inlet to Gower Point.....                             | 7,466             | 4,535      | —          | —      | 2,345      | —          | —       | —            |
| 25                           | Total quantity.....                                        | 493,452           | 70,772     | 424,470    | —      | 41,367     | 9,438      | —       | 93           |
| 26                           | Total value.....\$                                         | 1,988,740         | 525,632    | 2,950,006  | —      | 163,359    | 210,044    | —       | 232          |

| Fishing Districts            |                                                            | Greyfish <sup>2</sup> |          | Octopus           |          | Oulachons         |          | Tom Cod           |          |
|------------------------------|------------------------------------------------------------|-----------------------|----------|-------------------|----------|-------------------|----------|-------------------|----------|
|                              |                                                            | Caught and landed     | Marketed | Caught and landed | Marketed | Caught and landed | Marketed | Caught and landed | Marketed |
|                              |                                                            |                       |          |                   |          |                   |          |                   |          |
|                              |                                                            | cwt.                  | cwt.     | cwt.              | cwt.     | cwt.              | cwt.     | cwt.              | cwt.     |
| <b>British Columbia—con.</b> |                                                            |                       |          |                   |          |                   |          |                   |          |
| 1                            | Totals for Province—Quantity.....                          | 112,700               | 313      | 313               | 486      | 486               | 50       | 50                |          |
| 2                            | Value.....\$                                               | 39,445                | 1,757    | 2,241             | 2,706    | 2,800             | 152      | 156               |          |
| 3                            | District No. 1—                                            |                       |          |                   |          |                   |          |                   |          |
| 4                            | Total quantity.....                                        | —                     | 198      | 198               | 286      | 286               | 2        | 2                 |          |
| 5                            | Total value.....\$                                         | —                     | 1,422    | 1,781             | 1,706    | 1,800             | 8        | 12                |          |
| 6                            | District No. 2—                                            |                       |          |                   |          |                   |          |                   |          |
| 7                            | Prince Rupert and Skeena River District.....               | —                     | —        | —                 | 200      | 200               | —        | —                 |          |
| 8                            | Rivers Inlet and Smiths Inlet District.....                | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 9                            | Naas River District.....                                   | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 10                           | Bella Coola and Kimsquit.....                              | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 11                           | Addenbrooke Island to Lowe Inlet.....                      | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 12                           | Queen Charlotte Islands.....                               | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 13                           | Total quantity.....                                        | —                     | —        | —                 | 200      | 200               | —        | —                 |          |
| 14                           | Total value.....\$                                         | —                     | —        | —                 | 1,000    | 1,000             | —        | —                 |          |
| 15                           | District No. 3—                                            |                       |          |                   |          |                   |          |                   |          |
| 16                           | Cape Scott to Tatchu Point.....                            | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 17                           | Tatchu Point to and including Wreck Bay.....               | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 18                           | Wreck Bay to San Juan Harbour.....                         | —                     | —        | —                 | —        | —                 | 48       | 48                |          |
| 19                           | San Juan Harbour to north side Cowichan Bay.....           | 57,100                | —        | —                 | —        | —                 | —        | —                 |          |
| 20                           | North side Cowichan Bay to Big Qualicum River.....         | 55,600                | 28       | 28                | —        | —                 | —        | —                 |          |
| 21                           | Big Qualicum River to and including Oyster River.....      | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 22                           | Oyster River to Adams River with surrounding district..... | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 23                           | Adams River to Cape Scott with surrounding district.....   | —                     | —        | —                 | —        | —                 | —        | —                 |          |
| 24                           | Bute Inlet to Gower Point.....                             | —                     | 87       | 87                | —        | —                 | —        | —                 |          |
| 25                           | Total quantity.....                                        | 112,700               | 115      | 115               | —        | —                 | 48       | 48                |          |
| 26                           | Total value.....\$                                         | 39,445                | 335      | 460               | —        | —                 | 144      | 144               |          |

<sup>1</sup> Comprises Fraser River and Howe Sound.<sup>2</sup> Used in the manufacture of fish oil and meal.

## I. Fish Caught and Marketed, 1927—con.

| Sturgeon          |              | Trout             |             | Black Cod         |                 |              |                 |                | Ling Cod          |                   |           | Red Cod           |                 |
|-------------------|--------------|-------------------|-------------|-------------------|-----------------|--------------|-----------------|----------------|-------------------|-------------------|-----------|-------------------|-----------------|
| Caught and landed | Marketed     | Caught and landed | Marketed    | Caught and landed | Marketed        |              |                 |                | Caught and landed | Marketed          |           | Caught and landed | Marketed        |
|                   | Used fresh   |                   | Used fresh  |                   | Used fresh      | Green-salted | Smoked          | Smoked fillets |                   | Used fresh        | Smoked    |                   | Used fresh      |
| cwt.              | cwt.         | cwt.              | cwt.        | cwt.              | cwt.            | cwt.         | cwt.            | cwt.           | cwt.              | cwt.              | cwt.      | cwt.              | cwt.            |
| 359<br>7,229      | 359<br>7,971 | 96<br>1,024       | 96<br>1,118 | 16,430<br>85,167  | 7,798<br>64,680 | 19<br>207    | 3,969<br>32,305 | 328<br>6,229   | 49,916<br>287,918 | 49,802<br>400,560 | 57<br>699 | 4,436<br>15,753   | 4,436<br>22,478 |
| 287<br>6,791      | 287<br>7,149 | 32<br>384         | 32<br>478   | 6,257<br>43,802   | 151<br>1,199    | 19<br>207    | 2,706<br>33,859 | 328<br>6,229   | 26,143<br>170,181 | 26,133<br>233,995 | 5<br>75   | 1,213<br>4,900    | 1,213<br>7,786  |
| -                 | -            | 59                | 59          | 7,903             | 6,901           | -            | 501             | -              | 190               | 190               | -         | 748               | 748             |
| -                 | -            | -                 | -           | -                 | -               | -            | -               | -              | -                 | -                 | -         | -                 | -               |
| -                 | -            | -                 | -           | -                 | -               | -            | -               | -              | -                 | -                 | -         | -                 | -               |
| -                 | -            | -                 | -           | 33                | 33              | -            | -               | -              | 10                | 10                | -         | 130               | 130             |
| -                 | -            | -                 | -           | -                 | -               | -            | -               | -              | -                 | -                 | -         | -                 | -               |
| -                 | -            | 59                | 59          | 7,936             | 6,936           | -            | 501             | -              | 200               | 200               | -         | 878               | 878             |
| -                 | -            | 590               | 590         | 31,711            | 59,182          | -            | 7,515           | -              | 590               | 1,202             | -         | 2,130             | 2,704           |
| -                 | -            | -                 | -           | 706               | 706             | -            | -               | -              | 93                | 93                | -         | -                 | -               |
| 6<br>3            | 6<br>3       | -<br>5            | -<br>5      | -<br>11           | -<br>7          | -            | -               | -              | 612<br>3,885      | 612<br>3,885      | -         | -                 | -               |
| 63                | 63           | -                 | -           | 1,520             | -               | -            | 760             | -              | 6,055             | 5,951             | 52        | 434               | 434             |
| -                 | -            | -                 | -           | -                 | -               | -            | -               | -              | 4,748             | 4,748             | -         | 476               | 476             |
| -                 | -            | -                 | -           | -                 | -               | -            | -               | -              | 184               | 184               | -         | 2                 | 2               |
| -                 | -            | -                 | -           | -                 | -               | -            | -               | -              | 2,490             | 2,490             | -         | -                 | -               |
| -                 | -            | -                 | -           | -                 | -               | -            | -               | -              | 5,506             | 5,506             | -         | 721               | 721             |
| 72<br>438         | 72<br>822    | 5<br>50           | 5<br>50     | 2,237<br>9,654    | 715<br>4,299    | -            | 762<br>10,931   | -              | 23,573<br>117,147 | 23,469<br>165,363 | 52<br>624 | 2,345<br>8,723    | 2,345<br>11,981 |

| Clams and Quahaugs |                 |                  | Crabs             |                 |              | Abalone           |              | Oysters           |                 | Shrimps           |               |
|--------------------|-----------------|------------------|-------------------|-----------------|--------------|-------------------|--------------|-------------------|-----------------|-------------------|---------------|
| Caught and landed  | Marketed        |                  | Caught and landed | Marketed        |              | Caught and landed | Marketed     | Caught and landed | Marketed        | Caught and landed | Marketed      |
|                    | Used fresh      | Canned           |                   | Used fresh      | Canned       |                   | Canned       |                   | Used fresh      |                   | Used fresh    |
| bbl.               | bbl.            | cases            | cwt.              | cwt.            | cases        | bbl.              | cases        | bbl.              | bbl.            | cwt.              | cwt.          |
| 11,419<br>47,374   | 2,764<br>18,866 | 11,654<br>77,316 | 8,404<br>42,540   | 7,467<br>59,107 | 468<br>9,370 | 433<br>3,031      | 433<br>6,062 | 2,188<br>39,792   | 2,188<br>32,258 | 842<br>12,772     | 842<br>16,592 |
| 964<br>5,784       | 964<br>8,130    | -                | 7,000<br>35,000   | 7,000<br>53,331 | -            | -                 | -            | 1,455<br>23,462   | 1,455<br>23,462 | 779<br>11,685     | 779<br>15,448 |
| 1,026              | 1,026           | -                | 171               | 171             | -            | -                 | -            | -                 | -               | 61                | 61            |
| -                  | -               | -                | -                 | -               | -            | -                 | -            | -                 | -               | -                 | -             |
| -                  | -               | -                | -                 | -               | -            | -                 | -            | -                 | -               | -                 | -             |
| -                  | -               | -                | -                 | -               | -            | -                 | -            | -                 | -               | -                 | -             |
| 2,401              | -               | 2,400            | 937               | -               | 468          | 433               | 433          | -                 | -               | -                 | -             |
| 3,427<br>8,742     | 1,026<br>6,112  | 2,400<br>28,806  | 1,108<br>4,008    | 171<br>1,652    | 468<br>9,370 | 433<br>3,031      | 433<br>6,062 | -                 | -               | 61<br>1,067       | 61<br>1,120   |
| -                  | -               | -                | 10                | 10              | -            | -                 | -            | -                 | -               | -                 | -             |
| -                  | -               | -                | 30                | 30              | -            | -                 | -            | -                 | -               | -                 | -             |
| -                  | -               | -                | -                 | -               | -            | -                 | -            | -                 | -               | -                 | -             |
| 4,810<br>764       | 10<br>764       | 4,800            | 222<br>34         | 222<br>34       | -            | -                 | -            | 733               | 733             | 2                 | 2             |
| 2,370              | -               | 2,370            | -                 | -               | -            | -                 | -            | -                 | -               | -                 | -             |
| -                  | -               | -                | -                 | -               | -            | -                 | -            | -                 | -               | -                 | -             |
| 2,084              | -               | 2,084            | -                 | -               | -            | -                 | -            | -                 | -               | -                 | -             |
| -                  | -               | -                | -                 | -               | -            | -                 | -            | -                 | -               | -                 | -             |
| 10,028<br>32,848   | 774<br>4,624    | 9,254<br>48,510  | 296<br>3,532      | 296<br>4,124    | -            | -                 | -            | 733<br>7,330      | 733<br>8,796    | 2<br>20           | 2<br>24       |

## I. Fish Caught and Marketed, 1927—con.

| Fishing Districts                                          | Whales            |                    |                  |           |
|------------------------------------------------------------|-------------------|--------------------|------------------|-----------|
|                                                            | Caught and landed | Marketed           |                  |           |
|                                                            |                   | Whalebone and meal | Whale fertilizer | Whale oil |
|                                                            | no.               | ton                | ton              | gal.      |
| British Columbia—con.                                      |                   |                    |                  |           |
| Totals for Province—Quantity.....                          | 258               | 345                | 651              | 437,967   |
| Value.....\$                                               | 241,488           | 9,560              | 39,060           | 192,868   |
| District No. 1—                                            |                   |                    |                  |           |
| Total quantity.....                                        | —                 | —                  | —                | —         |
| Total value.....\$                                         | —                 | —                  | —                | —         |
| District No. 2—                                            |                   |                    |                  |           |
| Prince Rupert and Skeena River District.....               | —                 | —                  | —                | —         |
| Rivers Inlet and Smiths Inlet District.....                | —                 | —                  | —                | —         |
| Naas River District.....                                   | —                 | —                  | —                | —         |
| Bella Coola and Kimsquit.....                              | —                 | —                  | —                | —         |
| Addenbrooke Island to Lowe Inlet.....                      | —                 | —                  | —                | —         |
| Queen Charlotte Islands.....                               | 258               | 345                | 651              | 437,967   |
| Total quantity.....                                        | 258               | 345                | 651              | 437,967   |
| Total value.....\$                                         | 241,488           | 9,560              | 39,060           | 192,868   |
| District No. 3—                                            |                   |                    |                  |           |
| Cape Scott to Tatchu Point.....                            | —                 | —                  | —                | —         |
| Tatchu Point to and including Wreck Bay.....               | —                 | —                  | —                | —         |
| Wreck Bay to San Juan Harbour.....                         | —                 | —                  | —                | —         |
| San Juan Harbour to north side Cowichan Bay.....           | —                 | —                  | —                | —         |
| North side Cowichan Bay to Big Qualicum River.....         | —                 | —                  | —                | —         |
| Big Qualicum River to and including Oyster River.....      | —                 | —                  | —                | —         |
| Oyster River to Adams River with surrounding district..... | —                 | —                  | —                | —         |
| Adams River to Cape Scott with surrounding district.....   | —                 | —                  | —                | —         |
| Bute Inlet to Gower Point.....                             | —                 | —                  | —                | —         |
| Total quantity.....                                        | —                 | —                  | —                | —         |
| Total value.....\$                                         | —                 | —                  | —                | —         |

| Fishing Districts                                          | Fur Seals         |          | Miscellaneous    |                   |                 |
|------------------------------------------------------------|-------------------|----------|------------------|-------------------|-----------------|
|                                                            | Caught and landed | Marketed | Fish oil, n.e.s. | Fish meal, n.e.s. | Fish fertilizer |
|                                                            |                   | Skins    |                  |                   |                 |
|                                                            | no.               | no.      | gal.             | ton               | ton             |
| British Columbia—concluded                                 |                   |          |                  |                   |                 |
| Totals for Province—Quantity.....                          | 1,476             | 1 476    | 375,130          | 2,512             | 140             |
| Value.....\$                                               | 14,517            | 15,805   | 138,180          | 145,449           | 5,300           |
| District No. 1—                                            |                   |          |                  |                   |                 |
| Total quantity.....                                        | —                 | —        | —                | —                 | —               |
| Total value.....\$                                         | —                 | —        | —                | —                 | —               |
| District No. 2—                                            |                   |          |                  |                   |                 |
| Prince Rupert and Skeena River District.....               | 61                | 64       | 219,884          | 1,332             | 140             |
| Rivers Inlet and Smiths Inlet District.....                | —                 | —        | —                | —                 | —               |
| Naas River District.....                                   | —                 | —        | —                | —                 | —               |
| Bella Coola and Kimsquit.....                              | —                 | —        | —                | —                 | —               |
| Addenbrooke Island to Lowe Inlet.....                      | —                 | —        | 1,870            | 19                | —               |
| Queen Charlotte Islands.....                               | 124               | 124      | —                | —                 | —               |
| Total quantity.....                                        | 188               | 188      | 221,754          | 1,351             | 140             |
| Total value.....\$                                         | 2,350             | 2,350    | 93,184           | 78,318            | 5,300           |
| District No. 3—                                            |                   |          |                  |                   |                 |
| Cape Scott to Tatchu Point.....                            | —                 | —        | —                | 13                | —               |
| Tatchu Point to and including Wreck Bay.....               | 575               | 575      | —                | —                 | —               |
| Wreck Bay to San Juan Harbour.....                         | 713               | 713      | 1,021            | 8                 | —               |
| San Juan Harbour to north side Cowichan Bay.....           | —                 | —        | 65,355           | 572               | —               |
| North side Cowichan Bay to Big Qualicum River.....         | —                 | —        | 80,000           | 522               | —               |
| Big Qualicum River to and including Oyster River.....      | —                 | —        | —                | —                 | —               |
| Oyster River to Adams River with surrounding district..... | —                 | —        | —                | —                 | —               |
| Adams River to Cape Scott with surrounding district.....   | —                 | —        | 7,000            | 46                | —               |
| Bute Inlet to Gower Point.....                             | —                 | —        | —                | —                 | —               |
| Total quantity.....                                        | 1,288             | 1,288    | 153,376          | 1,161             | —               |
| Total value.....\$                                         | 12,167            | 13,455   | 44,996           | 67,131            | —               |

<sup>1</sup> Comprises Fraser River and Howe Sound.

NOTE.—The following quantities were landed by United States vessels and are included with caught and landed and used fresh—

District 1: Halibut, 1,274 cwt.

District 2: Halibut, 185,370 cwt.; black cod, 3,070 cwt.; red and rock cod, 11 cwt.; herring, 3,600 cwt.; salmon, 6,109 cwt.

NOTE.—The following is in addition to the quantities in the main table:—estimated home consumption of all varieties including salmon, trout, cod, oulachs, bottom fish, shell fish, etc.—

District No. 1: By Whites, Indians and Orientals, 29,958 cwt.

District 2: By Whites and Indians, 49,580 cwt.

District 3: By Indians, 9,400 cwt.

## **II. AGENCIES OF PRODUCTION**

## II. Agencies of Production, 1927—Part 1. In Primary Operations

| Fishing Districts                                                        | Vessels              |       |     |
|--------------------------------------------------------------------------|----------------------|-------|-----|
|                                                                          | Sailing and Gasoline |       |     |
|                                                                          | 10-20 tons           | Value | Men |
| Prince Edward Island                                                     | no.                  | \$    | no. |
| 1 Totals for Province.....                                               | 8                    | 7,000 | 30  |
| 2 Kings County—Totals.....                                               | 5                    | 4,500 | 21  |
| 3 Queens County—Totals.....                                              | 2                    | 1,600 | 5   |
| 4 Prince County—                                                         |                      |       |     |
| 5   Western portion: Baptist Point to and including Cascumpeque Bay..... | 1                    | 900   | 4   |
| 6   Eastern portion: East of Baptist Point and Cascumpeque Bay.....      | —                    | —     | —   |
| 6 Totals for County.....                                                 | 1                    | 900   | 4   |

| Fishing Districts                                                        | Fishing Gear                                 |        |               |        |            |       |
|--------------------------------------------------------------------------|----------------------------------------------|--------|---------------|--------|------------|-------|
|                                                                          | Gill Nets, Seines, Trap and Smelt Nets, etc. |        | Tubs of Trawl |        | Hand Lines |       |
|                                                                          | No.                                          | Value  | No.           | Value  | No.        | Value |
| Prince Edward Island—concluded                                           |                                              | \$     |               | \$     |            | \$    |
| 1 Totals for Province.....                                               | 8,566                                        | 56,114 | 723           | 14,460 | 1,193      | 2,386 |
| 2 Kings County—Totals.....                                               | 1,003                                        | 9,027  | 117           | 2,340  | 294        | 588   |
| 3 Queens County—Totals.....                                              | 1,850                                        | 15,150 | 300           | 6,000  | 600        | 1,200 |
| 4 Prince County—                                                         |                                              |        |               |        |            |       |
| 5   Western portion: Baptist Point to and including Cascumpeque Bay..... | 2,420                                        | 15,200 | 300           | 6,000  | 190        | 380   |
| 6   Eastern portion: East of Baptist Point and Cascumpeque Bay.....      | 3,293                                        | 16,737 | 6             | 120    | 109        | 218   |
| 6 Totals for County.....                                                 | 5,713                                        | 31,937 | 306           | 6,120  | 299        | 598   |



## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Boats        |       |          |         |           | Carrying Smacks |       |     |
|--------------|-------|----------|---------|-----------|-----------------|-------|-----|
| Sail and Row |       | Gasoline |         | Total Men |                 |       |     |
| No.          | Value | No.      | Value   | No.       | No.             | Value | Men |
|              | \$    |          | \$      |           |                 | \$    | no. |
| 453          | 5,170 | 1,379    | 335,030 | 2,620     | 13              | 5,500 | 25  |
| 61           | 610   | 475      | 118,750 | 950       | 4               | 1,200 | 8   |
| 175          | 1,750 | 270      | 60,750  | 540       | 1               | 250   | 2   |
| 162          | 2,100 | 337      | 84,250  | 709       | 3               | 1,300 | 7   |
| 55           | 710   | 297      | 71,280  | 421       | 5               | 2,750 | 8   |
| 217          | 2,810 | 634      | 155,530 | 1,130     | 8               | 4,050 | 15  |

| Fishing Gear  |         |                           |        |                         |        |                             |        |
|---------------|---------|---------------------------|--------|-------------------------|--------|-----------------------------|--------|
| Lobster Traps |         | Fishing Piers and Wharves |        | Freezers and Ice Houses |        | Small Fish and Smoke Houses |        |
| No.           | Value   | No.                       | Value  | No.                     | Value  | No.                         | Value  |
|               | \$      |                           | \$     |                         | \$     |                             | \$     |
| 345,923       | 345,923 | 29                        | 67,000 | 6                       | 11,800 | 437                         | 16,450 |
| 126,529       | 126,529 | 9                         | 63,000 | 1                       | 10,000 | 90                          | 2,700  |
| 78,325        | 78,325  | 20                        | 4,000  | 1                       | 200    | 180                         | 5,400  |
| 83,965        | 83,965  | -                         | -      | 4                       | 1,600  | 115                         | 5,750  |
| 57,104        | 57,104  | -                         | -      | -                       | -      | 52                          | 2,600  |
| 141,069       | 141,069 | -                         | -      | 4                       | 1,600  | 167                         | 8,350  |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Districts                                                                  | Steam Trawlers |              |           |     | Vessels |    |        |     |
|------------------------------------------------------------------------------------|----------------|--------------|-----------|-----|---------|----|--------|-----|
|                                                                                    | No.            | Ton-<br>nage | Value     | Men | Steam   |    |        |     |
|                                                                                    |                |              | \$        | no. |         |    | \$     | no. |
| <b>Nova Scotia</b>                                                                 |                |              |           |     |         |    |        |     |
| 1 Totals for Province.....                                                         | 14             | 2,927        | 1,060,000 | 294 | 3       | 61 | 11,000 | 21  |
| Richmond County—                                                                   |                |              |           |     |         |    |        |     |
| 2 Inverness county line to St. Peter's canal<br>including Ile Madame.....          | -              | -            | -         | -   | -       | -  | -      | -   |
| 3 St. Peter's canal to Cape Breton county line                                     | -              | -            | -         | -   | -       | -  | -      | -   |
| 4 Totals for County.....                                                           | -              | -            | -         | -   | -       | -  | -      | -   |
| Cape Breton County—                                                                |                |              |           |     |         |    |        |     |
| 5 Richmond county line to White Point and<br>head of East Bay.....                 | -              | -            | -         | -   | -       | -  | -      | -   |
| 6 White Point to Bridgeport.....                                                   | -              | -            | -         | -   | -       | -  | -      | -   |
| 7 Bridgeport and head of East Bay to Victoria<br>county line.....                  | -              | -            | -         | -   | -       | -  | -      | -   |
| 8 Totals for County.....                                                           | -              | -            | -         | -   | -       | -  | -      | -   |
| Victoria County—                                                                   |                |              |           |     |         |    |        |     |
| 9 South of Path End.....                                                           | -              | -            | -         | -   | -       | -  | -      | -   |
| 10 Path End to Green Cove.....                                                     | -              | -            | -         | -   | -       | -  | -      | -   |
| 11 Green Cove to Inverness county line.....                                        | -              | -            | -         | -   | -       | -  | -      | -   |
| 12 Totals for County.....                                                          | -              | -            | -         | -   | -       | -  | -      | -   |
| Inverness County—                                                                  |                |              |           |     |         |    |        |     |
| 13 North of Broad Cove, Scotsville and Gil-<br>lander Mountain.....                | -              | -            | -         | -   | -       | -  | -      | -   |
| 14 Broad Cove, Scotsville and Gillander Moun-<br>tain to Richmond county line..... | -              | -            | -         | -   | -       | -  | -      | -   |
| 15 Totals for County.....                                                          | -              | -            | -         | -   | -       | -  | -      | -   |
| Cumberland County—                                                                 |                |              |           |     |         |    |        |     |
| 16 New Brunswick line to Lewis Head.....                                           | -              | -            | -         | -   | -       | -  | -      | -   |
| 17 Lewis Head to Colchester county line.....                                       | -              | -            | -         | -   | -       | -  | -      | -   |
| 18 Bay of Fundy.....                                                               | -              | -            | -         | -   | -       | -  | -      | -   |
| 19 Totals for County.....                                                          | -              | -            | -         | -   | -       | -  | -      | -   |
| Colchester County—                                                                 |                |              |           |     |         |    |        |     |
| 20 Strait of Northumberland.....                                                   | -              | -            | -         | -   | -       | -  | -      | -   |
| 21 Hants county line to Salmon River.....                                          | -              | -            | -         | -   | -       | -  | -      | -   |
| 22 Salmon River to Cumberland county line....                                      | -              | -            | -         | -   | -       | -  | -      | -   |
| 23 Totals for County.....                                                          | -              | -            | -         | -   | -       | -  | -      | -   |
| Pictou County—                                                                     |                |              |           |     |         |    |        |     |
| 24 Colchester county line to Pictou Harbour....                                    | -              | -            | -         | -   | 1       | 31 | 5,000  | 5   |
| 25 Pictou Harbour to Antigonish county line,<br>including Pictou Island.....       | -              | -            | -         | -   | -       | -  | -      | -   |
| 26 Totals for County.....                                                          | -              | -            | -         | -   | 1       | 31 | 5,000  | 5   |
| 27 Antigonish County—Totals.....                                                   | -              | -            | -         | -   | -       | -  | -      | -   |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Vessels              |            |            |             |           | Boats        |         |          |           |           | Carrying Smacks |         |     | Number of men fishing without boats |
|----------------------|------------|------------|-------------|-----------|--------------|---------|----------|-----------|-----------|-----------------|---------|-----|-------------------------------------|
| Sailing and Gasoline |            |            |             |           | Sail and Row |         | Gasoline |           | Total Men | No.             | Value   | Men |                                     |
| 40 tons and over     | 20-40 tons | 10-20 tons | Total Value | Total Men | No.          | Value   | No.      | Value     |           |                 |         |     |                                     |
| no.                  | no.        | no.        | \$          | no.       |              | \$      |          | \$        | no.       |                 | \$      | no. | no.                                 |
| 99                   | 31         | 255        | 1,839,044   | 3,054     | 4,178        | 105,851 | 5,668    | 1,347,892 | 12,007    | 184             | 134,750 | 324 | 431                                 |
| -                    | 1          | 7          | 8,864       | 33        | 290          | 5,800   | 166      | 34,730    | 445       | -               | -       | -   | -                                   |
| -                    | -          | 2          | 2,000       | 6         | 396          | 10,220  | 135      | 45,100    | 880       | 4               | 1,800   | 10  | -                                   |
| -                    | 1          | 9          | 10,864      | 39        | 686          | 16,020  | 301      | 79,830    | 1,325     | 4               | 1,800   | 10  | -                                   |
| -                    | -          | -          | -           | -         | 47           | 1,055   | 28       | 7,400     | 129       | -               | -       | -   | -                                   |
| -                    | -          | 7          | 6,300       | 26        | 10           | 810     | 189      | 41,230    | 374       | 3               | 2,800   | 6   | -                                   |
| -                    | 3          | 21         | 48,600      | 108       | 58           | 1,640   | 28       | 6,160     | 172       | 10              | 6,000   | 10  | -                                   |
| -                    | 3          | 28         | 54,900      | 134       | 115          | 3,505   | 245      | 54,790    | 675       | 13              | 8,800   | 16  | -                                   |
| -                    | -          | -          | -           | -         | 150          | 5,000   | 60       | 11,500    | 155       | 7               | 3,500   | 9   | -                                   |
| -                    | 1          | 6          | 5,200       | 37        | 112          | 2,240   | 80       | 17,500    | 386       | 2               | 500     | 4   | -                                   |
| -                    | -          | 3          | 1,500       | 10        | 110          | 3,850   | 95       | 16,625    | 420       | 2               | 1,600   | 7   | -                                   |
| -                    | 1          | 9          | 6,700       | 47        | 372          | 11,090  | 235      | 45,625    | 961       | 11              | 5,600   | 20  | -                                   |
| -                    | -          | 4          | 2,100       | 18        | 10           | 900     | 124      | 58,600    | 350       | 12              | 7,750   | 19  | -                                   |
| -                    | -          | -          | -           | -         | 118          | 2,347   | 183      | 34,260    | 351       | 18              | 23,600  | 27  | 35                                  |
| -                    | -          | 4          | 2,100       | 18        | 128          | 3,247   | 307      | 92,860    | 701       | 30              | 31,350  | 46  | 35                                  |
| -                    | -          | -          | -           | -         | 20           | 300     | 35       | 8,875     | 41        | 3               | 900     | 3   | -                                   |
| -                    | -          | -          | -           | -         | 38           | 380     | 170      | 25,000    | 213       | 1               | 400     | 1   | 40                                  |
| -                    | -          | -          | -           | -         | 2            | 100     | 9        | 2,000     | 14        | -               | -       | -   | 4                                   |
| -                    | -          | -          | -           | -         | 60           | 780     | 214      | 35,875    | 268       | 4               | 1,300   | 4   | 44                                  |
| -                    | -          | -          | -           | -         | 5            | 50      | 22       | 3,300     | 26        | -               | -       | -   | -                                   |
| -                    | -          | -          | -           | -         | 20           | 225     | -        | -         | 25        | -               | -       | -   | -                                   |
| -                    | -          | -          | -           | -         | 2            | 250     | 14       | 2,450     | 16        | -               | -       | -   | 3                                   |
| -                    | -          | -          | -           | -         | 27           | 525     | 36       | 5,750     | 67        | -               | -       | -   | 3                                   |
| -                    | -          | -          | -           | -         | 35           | 3,500   | 166      | 24,900    | 191       | 7               | 6,000   | 14  | -                                   |
| -                    | -          | -          | -           | -         | 28           | 555     | 104      | 26,000    | 126       | 2               | 550     | 4   | -                                   |
| -                    | -          | -          | -           | -         | 63           | 4,055   | 270      | 50,900    | 317       | 9               | 6,550   | 18  | -                                   |
| -                    | -          | -          | -           | -         | 105          | 2,100   | 200      | 30,000    | 405       | 12              | 3,600   | 12  | 75                                  |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

|    | Fishing Districts                                     | Fishing Gear                                       |           |       |        |               |         |
|----|-------------------------------------------------------|----------------------------------------------------|-----------|-------|--------|---------------|---------|
|    |                                                       | Gill Nets, Seines,<br>Trap and Smelt<br>Nets, etc. |           | Weirs |        | Tubs of Trawl |         |
|    |                                                       | No.                                                | Value     | No.   | Value  | No.           | Value   |
|    | Nova Scotia—con.                                      |                                                    | \$        |       | \$     |               | \$      |
| 1  | Totals for Province.....                              | 50,922                                             | 1,073,225 | 84    | 27,150 | 12,370        | 184,637 |
|    | Richmond County—                                      |                                                    |           |       |        |               |         |
| 2  | Inverness county line to St. Peter's canal, including | 2,915                                              | 30,580    | —     | —      | 280           | 5,040   |
| 3  | Ile Madame.....                                       | 1,364                                              | 33,080    | —     | —      | 39            | 390     |
| 4  | St. Peter's canal to Cape Breton county line.....     |                                                    |           |       |        |               |         |
|    | Totals for County.....                                | 4,279                                              | 63,660    | —     | —      | 319           | 5,430   |
|    | Cape Breton County—                                   |                                                    |           |       |        |               |         |
| 5  | Richmond county line to White Point and head of       |                                                    |           |       |        |               |         |
| 6  | East Bay.....                                         | 188                                                | 2,810     | —     | —      | —             | —       |
| 7  | White Point to Bridgeport.....                        | 1,250                                              | 24,980    | —     | —      | 137           | 1,233   |
| 8  | Bridgeport and head of East Bay to Victoria county    | 530                                                | 20,276    | —     | —      | 118           | 1,770   |
|    | line.....                                             |                                                    |           |       |        |               |         |
|    | Totals for County.....                                | 1,968                                              | 48,066    | —     | —      | 255           | 3,003   |
|    | Victoria County—                                      |                                                    |           |       |        |               |         |
| 9  | South of Path End.....                                | 430                                                | 11,000    | —     | —      | 100           | 1,000   |
| 10 | Path End to Green Cove.....                           | 575                                                | 27,000    | —     | —      | 110           | 880     |
| 11 | Green Cove to Inverness county line.....              | 400                                                | 18,500    | —     | —      | 95            | 760     |
| 12 | Totals for County.....                                | 1,405                                              | 54,500    | —     | —      | 305           | 2,640   |
|    | Inverness County—                                     |                                                    |           |       |        |               |         |
| 13 | North of Broad Cove, Scotsville and Gillander         |                                                    |           |       |        |               |         |
| 14 | Mountain.....                                         | 706                                                | 38,270    | —     | —      | 431           | 3,755   |
| 15 | Broad Cove, Scotsville and Gillander Mountain to      | 855                                                | 14,800    | —     | —      | 297           | 4,455   |
|    | Richmond county line.....                             |                                                    |           |       |        |               |         |
|    | Totals for County.....                                | 1,561                                              | 53,070    | —     | —      | 728           | 8,210   |
|    | Cumberland County—                                    |                                                    |           |       |        |               |         |
| 16 | New Brunswick line to Lewis Head.....                 | 210                                                | 7,350     | —     | —      | —             | —       |
| 17 | Lewis Head to Colchester county line.....             | 98                                                 | 6,000     | —     | —      | —             | —       |
| 18 | Bay of Fundy.....                                     | 18                                                 | 180       | 4     | 650    | —             | —       |
| 19 | Totals for County.....                                | 326                                                | 13,530    | 4     | 650    | —             | —       |
|    | Colchester County—                                    |                                                    |           |       |        |               |         |
| 20 | Strait of Northumberland.....                         | 25                                                 | 1,000     | —     | —      | —             | —       |
| 21 | Hants county line to Salmon River.....                | 50                                                 | 500       | —     | —      | —             | —       |
| 22 | Salmon River to Cumberland county line.....           | 26                                                 | 3,570     | 3     | 300    | 2             | 20      |
| 23 | Totals for County.....                                | 101                                                | 5,070     | 3     | 300    | 2             | 20      |
|    | Pictou County—                                        |                                                    |           |       |        |               |         |
| 24 | Colchester county line to Pictou Harbour.....         | 300                                                | 2,100     | —     | —      | 2             | 20      |
| 25 | Pictou Harbour to Antigonish county line, including   | 596                                                | 20,761    | —     | —      | 30            | 200     |
|    | Pictou Island.....                                    |                                                    |           |       |        |               |         |
| 26 | Totals for County.....                                | 896                                                | 22,861    | —     | —      | 32            | 220     |
| 27 | Antigonish County—Totals.....                         | 1,400                                              | 32,000    | —     | —      | 110           | 1,650   |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Gear |        |               |           |                       |       |                           |         |                         |         |                             |         |    |
|--------------|--------|---------------|-----------|-----------------------|-------|---------------------------|---------|-------------------------|---------|-----------------------------|---------|----|
| Hand Lines   |        | Lobster Traps |           | Sets of Scallop Rakes |       | Fishing Piers and Wharves |         | Freezers and Ice Houses |         | Small Fish and Smoke Houses |         |    |
| No.          | Value  | No.           | Value     | No.                   | Value | No.                       | Value   | No.                     | Value   | No.                         | Value   |    |
|              | \$     |               | \$        |                       | \$    |                           | \$      |                         | \$      |                             | \$      |    |
| 22,904       | 27,538 | 810,762       | 1,071,362 | 78                    | 8,170 | 1,680                     | 713,770 | 317                     | 131,681 | 4,323                       | 426,790 | 1  |
| 1,000        | 1,250  | 27,180        | 27,180    | -                     | -     | 33                        | 3,680   | 1                       | 350     | 66                          | 8,360   | 2  |
| 973          | 973    | 9,970         | 19,940    | -                     | -     | 15                        | 1,800   | -                       | -       | 179                         | 7,300   | 3  |
| 1,973        | 2,223  | 37,150        | 47,120    | -                     | -     | 48                        | 5,480   | 1                       | 350     | 245                         | 15,660  | 4  |
| 115          | 115    | 3,210         | 6,420     | -                     | -     | 18                        | 1,800   | -                       | -       | 27                          | 355     | 5  |
| 530          | 530    | 22,370        | 27,962    | -                     | -     | 23                        | 2,775   | 8                       | 2,150   | 146                         | 9,675   | 6  |
| 448          | 672    | 8,000         | 12,000    | -                     | -     | 16                        | 27,000  | -                       | -       | 36                          | 1,060   | 7  |
| 1,093        | 1,317  | 33,580        | 46,382    | -                     | -     | 57                        | 31,575  | 8                       | 2,150   | 209                         | 11,090  | 8  |
| 400          | 400    | 12,600        | 12,600    | -                     | -     | -                         | -       | -                       | -       | 40                          | 2,400   | 9  |
| 600          | 600    | 2,500         | 3,750     | -                     | -     | 18                        | 25,000  | 4                       | 3,200   | 86                          | 3,400   | 10 |
| 800          | 800    | 6,350         | 9,525     | -                     | -     | 16                        | 7,000   | 4                       | 1,500   | 44                          | 7,400   | 11 |
| 1,800        | 1,800  | 21,450        | 25,875    | -                     | -     | 34                        | 32,000  | 8                       | 4,700   | 170                         | 13,200  | 12 |
| 655          | 605    | 30,830        | 30,830    | -                     | -     | 24                        | 37,300  | 12                      | 18,100  | 31                          | 25,000  | 13 |
| 455          | 676    | 35,884        | 53,831    | -                     | -     | 7                         | 4,500   | -                       | -       | 34                          | 8,700   | 14 |
| 1,110        | 1,281  | 66,714        | 84,661    | -                     | -     | 31                        | 41,800  | 12                      | 18,100  | 65                          | 33,700  | 15 |
| -            | -      | 7,000         | 7,000     | -                     | -     | 2                         | 200     | -                       | -       | 4                           | 400     | 16 |
| -            | -      | 35,325        | 35,325    | -                     | -     | -                         | -       | -                       | -       | -                           | -       | 17 |
| 12           | 12     | 503           | 503       | -                     | -     | -                         | -       | -                       | -       | -                           | -       | 18 |
| 12           | 12     | 42,828        | 42,828    | -                     | -     | 2                         | 200     | -                       | -       | 4                           | 400     | 19 |
| -            | -      | 6,000         | 6,000     | -                     | -     | 2                         | 200     | -                       | -       | -                           | -       | 20 |
| -            | -      | -             | -         | -                     | -     | -                         | -       | -                       | -       | -                           | -       | 21 |
| -            | -      | -             | -         | -                     | -     | -                         | -       | -                       | -       | -                           | -       | 22 |
| -            | -      | 6,000         | 6,000     | -                     | -     | 2                         | 200     | -                       | -       | -                           | -       | 23 |
| 15           | 15     | 50,000        | 50,000    | -                     | -     | 8                         | 800     | -                       | -       | -                           | -       | 24 |
| 78           | 78     | 24,679        | 24,679    | -                     | -     | -                         | -       | 17                      | 1,156   | 23                          | 825     | 25 |
| 93           | 93     | 74,679        | 74,679    | -                     | -     | 8                         | 800     | 17                      | 1,156   | 23                          | 825     | 26 |
| 500          | 250    | 68,000        | 68,000    | -                     | -     | 3                         | 1,000   | 40                      | 8,000   | 100                         | 2,000   | 27 |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Districts                                               | Steam Trawlers |         |         |     | Vessels |         |       |     |
|-----------------------------------------------------------------|----------------|---------|---------|-----|---------|---------|-------|-----|
|                                                                 | No.            | Tonnage | Value   | Men | No.     | Tonnage | Value | Men |
| <b>Nova Scotia—con.</b>                                         |                |         | \$      | no. |         |         | \$    | no. |
| Guysborough County—                                             |                |         |         |     |         |         |       |     |
| 1 Antigonish county line to Cape Canso.....                     | 7              | 938     | 600,000 | 140 | -       | -       | -     | -   |
| 2 Cape Canso to New Harbour.....                                | -              | -       | -       | -   | -       | -       | -     | -   |
| 3 New Harbour to Halifax county line.....                       | -              | -       | -       | -   | -       | -       | -     | -   |
| 4 Totals for County.....                                        | 7              | 938     | 600,000 | 140 | -       | -       | -     | -   |
| Halifax County—                                                 |                |         |         |     |         |         |       |     |
| 5 Guysborough county line to East Ship Harbour.....             | -              | -       | -       | -   | -       | -       | -     | -   |
| 6 West Ship Harbour to (but not including) Cole Harbour.....    | -              | -       | -       | -   | -       | -       | -     | -   |
| 7 Cole Harbour to Lunenburg county line.....                    | 7              | 1,989   | 460,000 | 154 | -       | -       | -     | -   |
| 8 Totals for County.....                                        | 7              | 1,989   | 460,000 | 154 | -       | -       | -     | -   |
| 9 Hants County—Totals.....                                      | -              | -       | -       | -   | -       | -       | -     | -   |
| Lunenburg County—                                               |                |         |         |     |         |         |       |     |
| 10 Halifax county line to Mahone Bay.....                       | -              | -       | -       | -   | -       | -       | -     | -   |
| 11 Mahone Bay to Queens county line.....                        | -              | -       | -       | -   | -       | -       | -     | -   |
| 12 Totals for County.....                                       | -              | -       | -       | -   | -       | -       | -     | -   |
| Queens County—                                                  |                |         |         |     |         |         |       |     |
| 13 Lunenburg county line to Port Medway Harbour.....            | -              | -       | -       | -   | -       | -       | -     | -   |
| 14 Port Medway Harbour to Shelburne county line.....            | -              | -       | -       | -   | -       | -       | -     | -   |
| 15 Totals for County.....                                       | -              | -       | -       | -   | -       | -       | -     | -   |
| Shelburne County—                                               |                |         |         |     |         |         |       |     |
| 16 Queens county line to Negro Harbour.....                     | -              | -       | -       | -   | -       | -       | -     | -   |
| 17 Negro Harbour (inclusive) to Yarmouth county line.....       | -              | -       | -       | -   | -       | -       | -     | -   |
| 18 Totals for County.....                                       | -              | -       | -       | -   | -       | -       | -     | -   |
| 19 Yarmouth County—Totals.....                                  | -              | -       | -       | -   | 2       | 30      | 6,000 | 16  |
| Digby County—                                                   |                |         |         |     |         |         |       |     |
| 20 Yarmouth county line to Weymouth.....                        | -              | -       | -       | -   | -       | -       | -     | -   |
| 21 Weymouth to Annapolis county line, including Digby Neck..... | -              | -       | -       | -   | -       | -       | -     | -   |
| 22 Totals for County.....                                       | -              | -       | -       | -   | -       | -       | -     | -   |
| 23 Annapolis County—Totals.....                                 | -              | -       | -       | -   | -       | -       | -     | -   |
| 24 Kings County—Totals.....                                     | -              | -       | -       | -   | -       | -       | -     | -   |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Vessels              |            |            |             |           | Boats        |        |          |         |           | Carrying Smacks |        |     | Men fishing without boats |
|----------------------|------------|------------|-------------|-----------|--------------|--------|----------|---------|-----------|-----------------|--------|-----|---------------------------|
| Sailing and Gasoline |            |            |             |           | Sail and Row |        | Gasoline |         | Total Men | No.             | Value  | Men |                           |
| 40 tons and over     | 20-40 tons | 10-20 tons | Total Value | Total Men | No.          | Value  | No.      | Value   |           |                 |        |     |                           |
| no.                  | no.        | no.        | \$          | no.       |              | \$     |          | \$      | no.       |                 | \$     | no. | no.                       |
| 1                    | 2          | 3          | 10,400      | 44        | 402          | 9,000  | 250      | 60,000  | 420       | 9               | 4,500  | 18  | 80                        |
| -                    | 4          | 13         | 23,500      | 95        | 300          | 6,000  | 240      | 60,000  | 340       | 5               | 2,000  | 10  | 80                        |
| -                    | -          | 2          | 1,500       | 6         | 20           | 800    | 200      | 45,000  | 296       | 5               | 3,500  | 10  | 3                         |
| 1                    | 6          | 18         | 35,400      | 145       | 720          | 15,800 | 690      | 165,000 | 1,056     | 19              | 10,000 | 38  | 160                       |
| -                    | 1          | 10         | 14,000      | 44        | 15           | 400    | 60       | 14,000  | 126       | 6               | 1,000  | 12  | 5                         |
| 1                    | 2          | 5          | 14,000      | 38        | 100          | 600    | 120      | 20,000  | 341       | 4               | 500    | 8   | 6                         |
| 2                    | 4          | 46         | 68,400      | 216       | 432          | 20,600 | 298      | 74,500  | 751       | 6               | 24,300 | 16  | 7                         |
| 3                    | 7          | 61         | 96,400      | 298       | 547          | 21,600 | 478      | 108,500 | 1,218     | 16              | 25,800 | 36  | 8                         |
| -                    | -          | -          | -           | -         | 28           | 425    | 8        | 1,600   | 55        | -               | -      | -   | 9                         |
| 2                    | -          | 31         | 42,800      | 130       | 280          | 5,600  | 210      | 52,500  | 419       | -               | -      | -   | 34                        |
| 82                   | 3          | 18         | 1,326,400   | 1,752     | 30           | 600    | 230      | 69,000  | 338       | 2               | 600    | 2   | 11                        |
| 84                   | 3          | 49         | 1,369,200   | 1,882     | 310          | 6,200  | 440      | 121,500 | 757       | 2               | 600    | 2   | 12                        |
| -                    | -          | 1          | 400         | 3         | 30           | 600    | 32       | 6,275   | 62        | -               | -      | -   | 13                        |
| -                    | 3          | 10         | 31,000      | 76        | 25           | 800    | 390      | 60,000  | 470       | -               | -      | -   | 14                        |
| -                    | 3          | 11         | 31,400      | 79        | 55           | 1,400  | 422      | 66,275  | 532       | -               | -      | -   | 15                        |
| 5                    | 3          | 2          | 70,000      | 120       | 210          | 2,100  | 245      | 36,750  | 340       | 3               | 4,000  | 9   | 16                        |
| -                    | -          | 17         | 9,500       | 55        | 130          | 4,550  | 442      | 121,550 | 755       | 14              | 7,000  | 25  | 17                        |
| 5                    | 3          | 19         | 79,500      | 175       | 340          | 6,650  | 687      | 158,300 | 1,095     | 17              | 11,000 | 34  | 18                        |
| 6                    | 2          | 1          | 59,000      | 83        | 140          | 2,780  | 421      | 126,300 | 921       | 21              | 8,300  | 30  | 19                        |
| -                    | 2          | -          | 1,000       | 7         | 46           | 900    | 178      | 52,950  | 445       | 3               | 1,150  | 6   | 20                        |
| -                    | -          | 30         | 68,820      | 90        | 195          | 3,920  | 387      | 121,450 | 869       | 20              | 17,700 | 40  | 21                        |
| -                    | 2          | 30         | 69,820      | 97        | 239          | 4,820  | 565      | 174,400 | 1,347     | 23              | 18,850 | 46  | 22                        |
| -                    | -          | 16         | 23,760      | 57        | 207          | 4,170  | 123      | 27,475  | 241       | -               | -      | -   | 23                        |
| -                    | -          | -          | -           | -         | 36           | 684    | 26       | 2,912   | 94        | 2               | 1,200  | 6   | 24                        |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

|    | Fishing Districts                                               | Fishing Gear                                       |         |       |        |               |        |
|----|-----------------------------------------------------------------|----------------------------------------------------|---------|-------|--------|---------------|--------|
|    |                                                                 | Gill Nets, Seines,<br>Trap and Smelt<br>Nets, etc. |         | Weirs |        | Tubs of Trawl |        |
|    |                                                                 | No.                                                | Value   | No.   | Value  | No.           | Value  |
|    | <b>Nova Scotia—con.</b>                                         |                                                    | \$      |       | \$     |               | \$     |
| 1  | Guysborough County—                                             |                                                    |         |       |        |               |        |
| 2  | Antigonish county line to Cape Canso.....                       | 4,400                                              | 88,000  | —     | —      | 900           | 14,000 |
| 3  | Cape Canso to New Harbour.....                                  | 4,000                                              | 56,000  | —     | —      | 900           | 9,500  |
| 4  | New Harbour to Halifax county line.....                         | 2,100                                              | 21,000  | 1     | 300    | 230           | 3,450  |
|    | Totals for County.....                                          | 10,500                                             | 165,000 | 1     | 300    | 2,030         | 26,950 |
| 5  | Halifax County—                                                 |                                                    |         |       |        |               |        |
| 6  | Guysborough county line to East Ship Harbour....                | 2,000                                              | 10,000  | —     | —      | 32            | 520    |
| 7  | West Ship Harbour to (but not including) Cole Har-<br>bour..... | 2,000                                              | 10,000  | —     | —      | 30            | 500    |
| 8  | Cole Harbour to Lunenburg county line.....                      | 7,584                                              | 250,780 | —     | —      | 640           | 12,800 |
|    | Totals for County.....                                          | 11,584                                             | 270,780 | —     | —      | 702           | 13,820 |
| 9  | Hants County—Totals.....                                        | 62                                                 | 1,650   | 4     | 400    | —             | —      |
| 10 | Lunenburg County—                                               |                                                    |         |       |        |               |        |
| 11 | Halifax county line to Mahone Bay.....                          | 2,680                                              | 70,000  | —     | —      | 174           | 3,132  |
| 12 | Mahone Bay to Queens county line.....                           | 3,800                                              | 68,400  | —     | —      | 1,964         | 35,352 |
|    | Totals for County.....                                          | 6,480                                              | 138,400 | —     | —      | 2,138         | 38,484 |
| 13 | Queens County—                                                  |                                                    |         |       |        |               |        |
| 14 | Lunenburg county line to Port Medway Harbour....                | 375                                                | 3,700   | —     | —      | —             | —      |
| 15 | Port Medway Harbour to Shelburne county line....                | 2,050                                              | 50,000  | —     | —      | 480           | 9,600  |
|    | Totals for County.....                                          | 2,425                                              | 53,700  | —     | —      | 480           | 9,600  |
| 16 | Shelburne County—                                               |                                                    |         |       |        |               |        |
| 17 | Queen's county line to Negro Harbour.....                       | 3,000                                              | 35,000  | 3     | 300    | 1,500         | 20,000 |
| 18 | Negro Harbour (inclusive) to Yarmouth county line.              | 2,500                                              | 22,750  | —     | —      | 890           | 17,800 |
|    | Totals for County.....                                          | 5,500                                              | 57,750  | 3     | 300    | 2,390         | 37,800 |
| 19 | Yarmouth County—Totals.....                                     | 1,420                                              | 72,300  | 2     | 800    | 411           | 7,398  |
| 20 | Digby County—                                                   |                                                    |         |       |        |               |        |
| 21 | Yarmouth county line to Weymouth.....                           | 161                                                | 3,320   | 4     | 600    | 157           | 2,236  |
| 22 | Weymouth to Annapolis county line including Digby<br>Neck.....  | 629                                                | 13,802  | 10    | 7,500  | 1,960         | 19,640 |
|    | Totals for County.....                                          | 790                                                | 17,122  | 14    | 8,100  | 2,147         | 21,876 |
| 23 | Annapolis County—Totals.....                                    | 163                                                | 2,650   | 21    | 5,100  | 300           | 7,410  |
| 24 | Kings County—Totals.....                                        | 62                                                 | 1,116   | 32    | 11,200 | 21            | 126    |



## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Gear |       |               |         |                       |       |                           |         |                         |        |                             |         |    |
|--------------|-------|---------------|---------|-----------------------|-------|---------------------------|---------|-------------------------|--------|-----------------------------|---------|----|
| Hand Lines   |       | Lobster Traps |         | Sets of Scallop Rakes |       | Fishing Piers and Wharves |         | Freezers and Ice Houses |        | Small Fish and Smoke Houses |         |    |
| No.          | Value | No.           | Value   | No.                   | Value | No.                       | Value   | No.                     | Value  | No.                         | Value   |    |
|              | \$    |               | \$      |                       | \$    |                           | \$      |                         | \$     |                             | \$      |    |
| 1,200        | 2,400 | 20,000        | 33,000  | -                     | -     | 42                        | 8,400   | 5                       | 6,000  | 200                         | 18,000  | 1  |
| 900          | 1,800 | 17,000        | 25,500  | -                     | -     | 83                        | 17,000  | 3                       | 3,000  | 150                         | 15,000  | 2  |
| 418          | 418   | 17,856        | 17,856  | -                     | -     | 36                        | 1,700   | 20                      | 1,700  | 200                         | 5,000   | 3  |
| 2,518        | 4,618 | 54,856        | 76,356  | -                     | -     | 161                       | 27,100  | 28                      | 10,700 | 550                         | 38,000  | 4  |
| 1,550        | 1,550 | 28,000        | 42,000  | -                     | -     | 95                        | 4,275   | 4                       | 300    | 150                         | 6,500   | 5  |
| 1,400        | 1,400 | 27,000        | 40,500  | -                     | -     | 88                        | 4,000   | 2                       | 330    | 250                         | 10,500  | 6  |
| 1,160        | 580   | 34,800        | 34,800  | -                     | -     | 505                       | 101,000 | 41                      | 32,800 | 558                         | 139,500 | 7  |
| 4,110        | 3,530 | 89,800        | 117,300 | -                     | -     | 688                       | 109,275 | 47                      | 33,430 | 958                         | 156,500 | 8  |
| -            | -     | -             | -       | -                     | -     | -                         | -       | -                       | -      | 1                           | 50      | 9  |
| 1,200        | 600   | 16,000        | 16,000  | -                     | -     | 120                       | 9,000   | 10                      | 1,500  | 220                         | 15,000  | 10 |
| 2,450        | 3,675 | 15,800        | 15,800  | -                     | -     | 15                        | 129,000 | 2                       | 3,400  | 350                         | 42,000  | 11 |
| 3,650        | 4,275 | 31,800        | 31,800  | -                     | -     | 135                       | 138,000 | 12                      | 4,900  | 570                         | 57,000  | 12 |
| 200          | 200   | 2,500         | 3,750   | -                     | -     | 22                        | 1,040   | 7                       | 700    | 73                          | 3,150   | 13 |
| 1,050        | 1,050 | 28,900        | 28,900  | -                     | -     | 108                       | 6,000   | 5                       | 10,000 | 260                         | 13,000  | 14 |
| 1,250        | 1,250 | 31,400        | 32,650  | -                     | -     | 130                       | 7,040   | 12                      | 10,700 | 333                         | 16,150  | 15 |
| 500          | 750   | 30,000        | 45,000  | -                     | -     | 160                       | 35,000  | 8                       | 3,500  | 200                         | 5,000   | 16 |
| 525          | 785   | 76,550        | 114,825 | -                     | -     | 65                        | 19,500  | 18                      | 1,800  | 110                         | 4,950   | 17 |
| 1,025        | 1,535 | 106,550       | 159,825 | -                     | -     | 225                       | 54,500  | 26                      | 5,300  | 310                         | 9,950   | 18 |
| 1,620        | 2,754 | 85,775        | 150,106 | 2                     | 150   | 30                        | 173,000 | 13                      | 7,950  | 156                         | 17,000  | 19 |
| 660          | 660   | 13,600        | 27,200  | -                     | -     | 2                         | 300     | 10                      | 290    | 182                         | 11,480  | 20 |
| 1,000        | 1,000 | 30,000        | 60,000  | 60                    | 6,180 | 114                       | 82,000  | 55                      | 20,865 | 225                         | 22,000  | 21 |
| 1,660        | 1,660 | 43,600        | 87,200  | 60                    | 6,180 | 116                       | 82,300  | 65                      | 21,155 | 407                         | 33,480  | 22 |
| 315          | 765   | 16,000        | 20,000  | 16                    | 1,840 | 10                        | 9,500   | 4                       | 450    | 167                         | 14,085  | 23 |
| 175          | 175   | 580           | 580     | -                     | -     | -                         | -       | 24                      | 2,640  | 55                          | 7,700   | 24 |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Districts                                                           | Vessels              |            |            |             |           |
|-----------------------------------------------------------------------------|----------------------|------------|------------|-------------|-----------|
|                                                                             | Sailing and Gasoline |            |            |             |           |
|                                                                             | 40 tons<br>and over  | 20-40 tons | 10-20 tons | Total Value | Total Men |
| <b>New Brunswick—Sea Fisheries</b>                                          | no.                  | no.        | no.        | \$          | no.       |
| 1 <b>Total Sea Fisheries for Province</b> .....                             | 3                    | 36         | 265        | 206,950     | 1,123     |
| Charlotte County—                                                           |                      |            |            |             |           |
| 2 International boundary line to Back Bay.....                              | —                    | —          | —          | —           | —         |
| 3 Back Bay to St. John county line.....                                     | —                    | —          | —          | —           | —         |
| 4 Campobello and West Isles.....                                            | —                    | —          | 1          | 1,000       | 4         |
| 5 Grand Manan Island.....                                                   | —                    | 2          | 23         | 55,000      | 54        |
| 6 Totals for County.....                                                    | —                    | 2          | 24         | 56,000      | 58        |
| 7 St. John County—Totals.....                                               | —                    | —          | —          | —           | —         |
| 8 Albert County—Totals.....                                                 | —                    | —          | —          | —           | —         |
| Westmorland County—                                                         |                      |            |            |             |           |
| 9 Nova Scotia line to Kent county line.....                                 | —                    | —          | —          | —           | —         |
| 10 Bay of Fundy.....                                                        | —                    | —          | —          | —           | —         |
| 11 Totals for County.....                                                   | —                    | —          | —          | —           | —         |
| Kent County—                                                                |                      |            |            |             |           |
| 12 Westmorland county line to (but not including)<br>Chockfish River.....   | —                    | —          | —          | —           | —         |
| 13 Chockfish River to Point Sapin.....                                      | —                    | —          | 6          | 2,700       | 20        |
| 14 Point Sapin to Northumberland county line.....                           | —                    | —          | —          | —           | —         |
| 15 Totals for County.....                                                   | —                    | —          | 6          | 2,700       | 20        |
| Northumberland County—                                                      |                      |            |            |             |           |
| 16 Kent county line to Point au Car.....                                    | —                    | —          | 58         | 34,800      | 174       |
| 17 Northwest and Southwest Miramichi River.....                             | —                    | —          | —          | —           | —         |
| 18 Point au Car to Gloucester county line (including<br>Miramichi Bay)..... | 2                    | —          | —          | 4,000       | 10        |
| 19 Totals for County.....                                                   | 2                    | —          | 58         | 38,800      | 184       |
| Gloucester County—                                                          |                      |            |            |             |           |
| 20 Northumberland county line to Inkerman.....                              | —                    | —          | 5          | 5,000       | 16        |
| 21 Islands of Shippegan and Miscou.....                                     | —                    | 8          | 50         | 48,700      | 231       |
| 22 Inkerman to Glen Anglin.....                                             | 1                    | 26         | 121        | 55,400      | 611       |
| 23 Glen Anglin to Restigouche county line.....                              | —                    | —          | —          | —           | —         |
| 24 Totals for County.....                                                   | 1                    | 34         | 176        | 109,100     | 858       |
| 25 Restigouche County—Totals.....                                           | —                    | —          | 1          | 350         | 3         |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Boats        |        |          |         |           | Carrying Smacks |        |     | Number of men fishing without boats |
|--------------|--------|----------|---------|-----------|-----------------|--------|-----|-------------------------------------|
| Sail and Row |        | Gasoline |         | Total Men | No.             | Value  | Men |                                     |
| No.          | Value  | No.      | Value   |           |                 |        |     |                                     |
|              | \$     |          | \$      | no.       |                 | \$     | no. | no.                                 |
| 4,670        | 91,620 | 2,422    | 703,265 | 7,464     | 43              | 47,743 | 88  | 1,026                               |
| 140          | 2,400  | 40       | 12,000  | 185       | 6               | 3,600  | 12  | -                                   |
| 200          | 4,000  | 140      | 28,000  | 650       | -               | -      | -   | -                                   |
| 280          | 8,400  | 293      | 116,230 | 786       | 1               | 5,000  | 4   | -                                   |
| 500          | 14,960 | 370      | 146,000 | 700       | 2               | 9,000  | 4   | 125                                 |
| 1,120        | 29,760 | 843      | 302,230 | 2,321     | 9               | 17,600 | 20  | 125                                 |
| 230          | 9,200  | 215      | 80,600  | 380       | 3               | 3,000  | 6   | -                                   |
| 2            | 160    | -        | -       | 4         | -               | -      | -   | -                                   |
| 400          | 4,000  | 250      | 50,000  | 675       | 8               | 16,000 | 16  | -                                   |
| 8            | 440    | -        | -       | 14        | -               | -      | -   | -                                   |
| 408          | 4,440  | 250      | 50,000  | 689       | 8               | 16,000 | 16  | -                                   |
| 380          | 3,420  | 179      | 45,235  | 738       | 14              | 6,542  | 28  | -                                   |
| 30           | 1,500  | 170      | 34,000  | 365       | -               | -      | -   | -                                   |
| 15           | 850    | 102      | 22,000  | 234       | 2               | 1,200  | 4   | -                                   |
| 425          | 5,770  | 451      | 101,235 | 1,337     | 16              | 7,743  | 32  | -                                   |
| 25           | 2,000  | 80       | 16,000  | 210       | 5               | 3,000  | 10  | -                                   |
| 60           | 540    | 8        | 2,650   | 69        | -               | -      | -   | 8                                   |
| 400          | 2,250  | 70       | 21,000  | 590       | -               | -      | -   | 700                                 |
| 485          | 4,790  | 158      | 39,650  | 869       | 5               | 3,000  | 10  | 708                                 |
| 170          | 6,000  | 50       | 13,000  | 450       | -               | -      | -   | -                                   |
| 100          | 10,000 | 180      | 44,250  | 485       | -               | -      | -   | -                                   |
| 1,500        | 15,000 | 200      | 50,000  | 400       | -               | -      | -   | -                                   |
| 150          | 3,300  | 65       | 19,500  | 380       | -               | -      | -   | -                                   |
| 1,920        | 34,300 | 495      | 126,750 | 1,715     | -               | -      | -   | -                                   |
| 80           | 3,200  | 10       | 2,800   | 149       | 2               | 400    | 4   | 193                                 |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Districts                                                           | Fishing Gear                                       |         |       |         |                  |        |
|-----------------------------------------------------------------------------|----------------------------------------------------|---------|-------|---------|------------------|--------|
|                                                                             | Gill Nets, Seines,<br>Trap and Smelt<br>Nets, etc. |         | Weirs |         | Tubs of Trawl -- |        |
|                                                                             | No.                                                | Value   | No.   | Value   | No.              | Value  |
| <b>New Brunswick—Sea Fisheries—con.</b>                                     |                                                    | \$      |       | \$      |                  | \$     |
| 1 <b>Total Sea Fisheries for Province</b> .....                             | 26,303                                             | 965,804 | 371   | 559,365 | 2,286            | 32,480 |
| Charlotte County—                                                           |                                                    |         |       |         |                  |        |
| 2 International boundary line to Back Bay.....                              | 82                                                 | 7,600   | 70    | 70,000  | 60               | 1,500  |
| 3 Back Bay to St. John county line.....                                     | 299                                                | 7,475   | 69    | 69,000  | 260              | 3,120  |
| 4 Campobello and West Isles.....                                            | 506                                                | 19,500  | 110   | 110,000 | 950              | 12,000 |
| 5 Grand Manan Island.....                                                   | 500                                                | 47,000  | 90    | 270,000 | 250              | 4,600  |
| 6 Totals for County.....                                                    | 1,387                                              | 81,575  | 339   | 519,000 | 1,520            | 21,220 |
| 7 St. John County—Totals.....                                               | 1,260                                              | 33,000  | 29    | 40,000  | 150              | 2,100  |
| 8 Albert County—Totals.....                                                 | —                                                  | —       | —     | —       | —                | —      |
| Westmorland County—                                                         |                                                    |         |       |         |                  |        |
| 9 Nova Scotia line to Kent county line.....                                 | 1,936                                              | 22,500  | —     | —       | —                | —      |
| 10 Bay of Fundy.....                                                        | 8                                                  | 750     | 3     | 365     | —                | —      |
| 11 Totals for County.....                                                   | 1,938                                              | 23,250  | 3     | 365     | —                | —      |
| Kent County—                                                                |                                                    |         |       |         |                  |        |
| 12 Westmorland county line to (but not including)<br>Chockfish River.....   | 5,626                                              | 89,404  | —     | —       | —                | —      |
| 13 Chockfish River to Point Sapin.....                                      | 1,617                                              | 68,900  | —     | —       | 16               | 160    |
| 14 Point Sapin to Northumberland county line.....                           | 250                                                | 15,000  | —     | —       | —                | —      |
| 15 Totals for County.....                                                   | 7,493                                              | 173,304 | —     | —       | 16               | 160    |
| Northumberland County—                                                      |                                                    |         |       |         |                  |        |
| 16 Kent county line to Point au Car.....                                    | 2,850                                              | 130,000 | —     | —       | —                | —      |
| 17 Northwest and Southwest Miramichi River.....                             | 211                                                | 10,892  | —     | —       | —                | —      |
| 18 Point au Car to Gloucester county line (including<br>Miramichi Bay)..... | 3,444                                              | 225,383 | —     | —       | —                | —      |
| 19 Totals for County.....                                                   | 6,505                                              | 366,275 | —     | —       | —                | —      |
| Gloucester County—                                                          |                                                    |         |       |         |                  |        |
| 20 Northumberland county line to Inkerman.....                              | 1,100                                              | 22,000  | —     | —       | —                | —      |
| 21 Islands of Shippegan and Miscou.....                                     | 1,930                                              | 21,100  | —     | —       | 300              | 4,500  |
| 22 Inkerman to Glen Anglin.....                                             | 3,500                                              | 54,000  | —     | —       | 300              | 4,500  |
| 23 Glen Anglin to Restigouche county line.....                              | 410                                                | 12,300  | —     | —       | —                | —      |
| 24 Totals for County.....                                                   | 6,940                                              | 109,400 | —     | —       | 600              | 9,000  |
| 25 Restigouche County—Totals.....                                           | 780                                                | 179,000 | —     | —       | —                | —      |

| Fishing Districts                                  | Boats        |       |
|----------------------------------------------------|--------------|-------|
|                                                    | Sail and Row |       |
|                                                    | No.          | Value |
| <b>New Brunswick—Inland Fisheries</b>              |              | \$    |
| 1 <b>Total Island Fisheries for Province</b> ..... | 339          | 3,130 |
| 2 Victoria County.....                             | 20           | 100   |
| 3 Carleton County.....                             | 60           | 480   |
| 4 York County.....                                 | 105          | 760   |
| 5 Sunbury County.....                              | 25           | 500   |
| 6 Queens County.....                               | 74           | 740   |
| 7 Kings County.....                                | 55           | 550   |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Gear |        |           |       |               |         |                           |         |                         |         |                             |         |    |
|--------------|--------|-----------|-------|---------------|---------|---------------------------|---------|-------------------------|---------|-----------------------------|---------|----|
| Hand Lines   |        | Eel Traps |       | Lobster Traps |         | Fishing Piers and Wharves |         | Freezers and Ice Houses |         | Small Fish and Smoke Houses |         |    |
| No.          | Value  | No.       | Value | No.           | Value   | No.                       | Value   | No.                     | Value   | No.                         | Value   |    |
|              | \$     |           | \$    |               | \$      |                           | \$      |                         | \$      |                             | \$      |    |
| 10,586       | 10,380 | 100       | 400   | 374,507       | 437,116 | 403                       | 132,150 | 101                     | 248,500 | 1,327                       | 452,360 | 1  |
| 34           | 34     | -         | -     | 140           | 175     | 4                         | 750     | 1                       | 400     | 3                           | 300     | 2  |
| 100          | 100    | -         | -     | 5,000         | 5,000   | 4                         | 4,000   | 1                       | 3,000   | 4                           | 1,000   | 3  |
| 2,500        | 2,500  | -         | -     | 3,000         | 4,500   | 138                       | 8,700   | -                       | -       | 151                         | 20,500  | 4  |
| 2,000        | 2,700  | -         | -     | 40,000        | 80,000  | 181                       | 54,100  | 2                       | 500     | 464                         | 366,700 | 5  |
| 4,634        | 5,334  | -         | -     | 48,140        | 89,675  | 327                       | 67,550  | 4                       | 3,900   | 622                         | 388,500 | 6  |
| -            | -      | -         | -     | 5,000         | 7,500   | 65                        | 30,000  | 4                       | 90,000  | 84                          | 25,000  | 7  |
| -            | -      | -         | -     | 67            | 87      | -                         | -       | -                       | -       | -                           | -       | 8  |
| 700          | 380    | -         | -     | 38,325        | 39,243  | -                         | -       | 4                       | 19,000  | 20                          | 1,000   | 9  |
| -            | -      | -         | -     | -             | -       | -                         | -       | -                       | -       | -                           | -       | 10 |
| 700          | 380    | -         | -     | 38,325        | 39,243  | -                         | -       | 4                       | 19,000  | 20                          | 1,000   | 11 |
| -            | -      | -         | -     | 80,000        | 54,005  | -                         | -       | 6                       | 17,000  | -                           | -       | 12 |
| 200          | 200    | -         | -     | 27,500        | 55,000  | 3                         | 27,800  | 5                       | 4,000   | 1                           | 300     | 13 |
| 90           | 450    | -         | -     | 25,000        | 37,000  | -                         | -       | 2                       | 3,000   | -                           | -       | 14 |
| 290          | 650    | -         | -     | 132,500       | 146,005 | 3                         | 27,800  | 13                      | 24,000  | 1                           | 300     | 15 |
| 40           | 200    | -         | -     | 30,000        | 45,000  | -                         | -       | 5                       | 10,000  | -                           | -       | 16 |
| -            | -      | 100       | 400   | -             | -       | 2                         | 500     | 5                       | 1,600   | 39                          | 3,150   | 17 |
| 70           | 70     | -         | -     | 13,325        | 16,656  | -                         | -       | 37                      | 22,000  | 70                          | 10,000  | 18 |
| 110          | 270    | 100       | 400   | 43,325        | 61,656  | 2                         | 500     | 47                      | 33,600  | 109                         | 13,150  | 19 |
| 400          | 600    | -         | -     | 12,000        | 18,000  | 3                         | 500     | 4                       | 9,000   | 5                           | 1,000   | 20 |
| 1,402        | 911    | -         | -     | 49,250        | 24,625  | 1                         | 2,000   | 1                       | 4,000   | 147                         | 7,850   | 21 |
| 2,500        | 1,875  | -         | -     | 30,000        | 30,000  | 1                         | 3,500   | 3                       | 35,000  | 200                         | 10,000  | 22 |
| 400          | 300    | -         | -     | 10,000        | 10,000  | -                         | -       | 15                      | 9,000   | -                           | -       | 23 |
| 4,702        | 3,686  | -         | -     | 101,250       | 82,625  | 5                         | 6,000   | 23                      | 57,000  | 352                         | 18,850  | 24 |
| 150          | 60     | -         | -     | 5,900         | 10,325  | 1                         | 300     | 6                       | 21,000  | 139                         | 5,560   | 25 |

| Boats    |       | Total Men | Fishing Gear |       |   |
|----------|-------|-----------|--------------|-------|---|
| Gasoline |       |           | Gill Nets    |       |   |
| No.      | Value |           | No.          | Value |   |
|          | \$    |           |              | \$    |   |
| 2        | 1,000 | 497       | 745          | 7,949 | 1 |
| -        | -     | 20        | 20           | 100   | 2 |
| -        | -     | 65        | 70           | 700   | 3 |
| -        | -     | 125       | 149          | 1,965 | 4 |
| -        | -     | 25        | 85           | 510   | 5 |
| 1        | 500   | 150       | 189          | 1,890 | 6 |
| 1        | 500   | 112       | 232          | 2,784 | 7 |

NOTE.—In addition to the above there were used by anglers in inland New Brunswick 257 canoes, valued at \$5,935, and 2,688 rods and lines valued at \$15,562.

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Districts                          | Vessels              |               |               |             |           |
|--------------------------------------------|----------------------|---------------|---------------|-------------|-----------|
|                                            | Sailing and Gasoline |               |               |             |           |
|                                            | 40 tons and over     | 20 to 40 tons | 10 to 20 tons | Total Value | Total Men |
|                                            | no.                  | no.           | no.           | \$          | no.       |
| <b>Quebec—Sea Fisheries</b>                |                      |               |               |             |           |
| 1 Total Sea Fisheries for Province.....    | 3                    | 1             | 111           | 64,100      | 391       |
| Bonaventure County—                        |                      |               |               |             |           |
| 2 Head of tide to Miguacha.....            | —                    | —             | —             | —           | —         |
| 3 Miguacha to New Richmond.....            | —                    | —             | 2             | 1,500       | 6         |
| 4 New Richmond to Paspébiac.....           | —                    | —             | 1             | 700         | 3         |
| 5 Paspébiac to Point Maquereau.....        | —                    | —             | 100           | 38,100      | 300       |
| 6 Totals for County.....                   | —                    | —             | 103           | 40,300      | 309       |
| Gaspé County—                              |                      |               |               |             |           |
| 7 Point Maquereau to Grand River.....      | —                    | —             | 1             | 1,000       | 5         |
| 8 Grand River to Point St. Peter.....      | —                    | —             | —             | —           | —         |
| 9 Point St. Peter to Cape Gaspé.....       | —                    | —             | —             | —           | —         |
| 10 Cape Gaspé to Fame Point.....           | —                    | —             | —             | —           | —         |
| 11 Fame Point to Duchesnay Township.....   | —                    | —             | —             | —           | —         |
| 12 Totals for County.....                  | —                    | —             | 1             | 1,000       | 5         |
| Magdalen Islands—                          |                      |               |               |             |           |
| 13 Southern subdistrict.....               | —                    | 1             | 2             | 3,300       | 15        |
| 14 Northern subdistrict.....               | 3                    | —             | —             | 9,500       | 12        |
| 15 Totals for County.....                  | 3                    | 1             | 2             | 12,800      | 27        |
| Saguenay County—                           |                      |               |               |             |           |
| 16 Godbout to Jambons.....                 | —                    | —             | —             | —           | —         |
| 17 Jambons to Pignons River.....           | —                    | —             | —             | —           | —         |
| 18 Pignons River to Havre St. Pierre.....  | —                    | —             | —             | —           | —         |
| 19 Havre St. Pierre to Kegashka River..... | —                    | —             | —             | —           | —         |
| 20 Kegashka River to Mouton Bay.....       | —                    | —             | —             | —           | —         |
| 21 Mouton Bay to Blanc Sablon.....         | —                    | —             | —             | —           | —         |
| 22 Blanc Sablon to Bonne Espérance.....    | —                    | —             | 5             | 10,000      | 50        |
| 23 Totals for County.....                  | —                    | —             | 5             | 10,000      | 50        |
| 24 Matane County—Totals.....               | —                    | —             | —             | —           | —         |
| 25 Rimouski County—Totals.....             | —                    | —             | —             | —           | —         |

| Fishing Districts                          | Fishing Gear                                 |         |               |        |
|--------------------------------------------|----------------------------------------------|---------|---------------|--------|
|                                            | Gill Nets, Seines, Trap and Smelt Nets, etc. |         | Tubs of Trawl |        |
|                                            | No.                                          | Value   | No.           | Value  |
|                                            |                                              | \$      |               | \$     |
| <b>Quebec—Sea Fisheries—concluded</b>      |                                              |         |               |        |
| 1 Total Sea Fisheries for Province.....    | 32,280                                       | 504,045 | 1,327         | 25,940 |
| Bonaventure County—                        |                                              |         |               |        |
| 2 Head of tide to Miguacha.....            | 100                                          | 18,000  | —             | —      |
| 3 Miguacha to New Richmond.....            | 230                                          | 56,800  | —             | —      |
| 4 New Richmond to Paspébiac.....           | 2,192                                        | 43,840  | —             | —      |
| 5 Paspébiac to Point Maquereau.....        | 21,615                                       | 34,450  | 350           | 3,150  |
| 6 Totals for County.....                   | 23,537                                       | 153,090 | 350           | 3,150  |
| Gaspé County—                              |                                              |         |               |        |
| 7 Point Maquereau to Grand River.....      | 1,000                                        | 29,000  | 100           | 1,300  |
| 8 Grand River to Point St. Peter.....      | 600                                          | 18,000  | 95            | 3,800  |
| 9 Point St. Peter to Cape Gaspé.....       | 290                                          | 11,600  | —             | —      |
| 10 Cape Gaspé to Fame Point.....           | 700                                          | 19,600  | —             | —      |
| 11 Fame Point to Duchesnay Township.....   | 875                                          | 21,150  | —             | —      |
| 12 Totals for County.....                  | 3,465                                        | 99,350  | 195           | 5,100  |
| Magdalen Islands—                          |                                              |         |               |        |
| 13 Southern subdistrict.....               | 3,481                                        | 97,800  | 610           | 14,030 |
| 14 Northern subdistrict.....               | 830                                          | 37,400  | 130           | 3,000  |
| 15 Totals for County.....                  | 4,311                                        | 135,200 | 740           | 17,030 |
| Saguenay County—                           |                                              |         |               |        |
| 16 Godbout to Jambons.....                 | 62                                           | 2,310   | —             | —      |
| 17 Jambons to Pignons River.....           | 125                                          | 37,500  | —             | —      |
| 18 Pignons River to Havre St. Pierre.....  | 25                                           | 3,300   | —             | —      |
| 19 Havre St. Pierre to Kegashka River..... | 51                                           | 7,375   | —             | —      |
| 20 Kegashka River to Mouton Bay.....       | 200                                          | 25,020  | —             | —      |
| 21 Mouton Bay to Blanc Sablon.....         | 138                                          | 16,100  | 17            | 410    |
| 22 Blanc Sablon to Bonne Espérance.....    | 106                                          | 16,800  | 25            | 250    |
| 23 Totals for County.....                  | 707                                          | 108,405 | 42            | 660    |
| 24 Matane County—Totals.....               | 240                                          | 7,200   | —             | —      |
| 25 Rimouski County—Totals.....             | 20                                           | 800     | —             | —      |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Boats        |        |          |         |           | Carrying Smacks |       |     | Number of men fishing without boats |
|--------------|--------|----------|---------|-----------|-----------------|-------|-----|-------------------------------------|
| Sail and Row |        | Gasoline |         | Total Men |                 |       |     |                                     |
| No.          | Value  | No.      | Value   |           | No.             | Value | Men |                                     |
|              | \$     |          | \$      | no.       |                 | \$    | no. | no.                                 |
| 1,576        | 58,640 | 2,289    | 632,550 | 8,128     | 6               | 2,800 | 10  | 226                                 |
| 17           | 500    | 8        | 2,000   | 34        | -               | -     | -   | 50                                  |
| 40           | 1,400  | 10       | 3,500   | 85        | -               | -     | -   | 3                                   |
| 560          | 16,640 | 26       | 6,500   | 1,172     | -               | -     | -   | 60                                  |
| 185          | 7,500  | 21       | 2,450   | 305       | -               | -     | -   | 5                                   |
| 802          | 26,040 | 65       | 14,450  | 1,596     | -               | -     | -   | 110                                 |
| 40           | 1,300  | 60       | 17,600  | 272       | -               | -     | -   | 7                                   |
| 10           | 500    | 263      | 78,900  | 615       | -               | -     | -   | 8                                   |
| 48           | 4,800  | 132      | 39,600  | 360       | -               | -     | -   | 9                                   |
| 35           | 1,575  | 360      | 99,000  | 711       | -               | -     | -   | 10                                  |
| 84           | 1,400  | 260      | 52,500  | 518       | -               | -     | -   | 11                                  |
| 217          | 9,575  | 1,075    | 287,600 | 2,476     | -               | -     | -   | 12                                  |
| 150          | 6,000  | 425      | 127,500 | 1,725     | 4               | 2,000 | 8   | 13                                  |
| 35           | 1,750  | 240      | 72,000  | 825       | 2               | 800   | 2   | 14                                  |
| 185          | 7,750  | 665      | 199,500 | 2,550     | 6               | 2,800 | 10  | 15                                  |
| 14           | 560    | 11       | 4,000   | 34        | -               | -     | -   | 16                                  |
| 65           | 1,375  | 40       | 6,000   | 145       | -               | -     | -   | 17                                  |
| 40           | 4,000  | 104      | 31,200  | 288       | -               | -     | -   | 18                                  |
| 2            | 350    | 70       | 15,570  | 216       | -               | -     | -   | 19                                  |
| 9            | 720    | 101      | 35,350  | 179       | -               | -     | -   | 20                                  |
| 40           | 1,600  | 93       | 23,880  | 228       | -               | -     | -   | 21                                  |
| 42           | 420    | 40       | 10,000  | 160       | -               | -     | -   | 22                                  |
| 212          | 9,025  | 459      | 126,000 | 1,250     | -               | -     | -   | 23                                  |
| 150          | 4,500  | 25       | 5,000   | 230       | -               | -     | -   | 24                                  |
| 10           | 1,750  | -        | -       | 26        | -               | -     | -   | 116                                 |
|              |        |          |         |           |                 |       |     | 25                                  |

## Fishing Gear

| Hand Lines |        | Lobster Traps |         | Fishing Piers and Wharves |        | Freezers and Ice Houses |        | Small Fish and Smoke Houses |           |
|------------|--------|---------------|---------|---------------------------|--------|-------------------------|--------|-----------------------------|-----------|
| No.        | Value  | No.           | Value   | No.                       | Value  | No.                     | Value  | No.                         | Value     |
|            | \$     |               | \$      |                           | \$     |                         | \$     |                             | \$        |
| 23,581     | 24,129 | 128,592       | 141,519 | 336                       | 31,700 | 140                     | 45,620 | 1,196                       | 72,925 1  |
| -          | -      | -             | -       | -                         | -      | -                       | -      | 48                          | 1,600 2   |
| 50         | 70     | 700           | 900     | -                         | -      | -                       | -      | 12                          | 400 3     |
| 260        | 260    | 1,073         | 1,600   | -                         | -      | 2                       | 3,800  | 75                          | 3,000 4   |
| 10,000     | 8,500  | 9,300         | 8,500   | 1                         | 1,000  | 28                      | 2,400  | 230                         | 1,500 5   |
| 10,310     | 8,830  | 11,073        | 11,009  | 1                         | 1,000  | 30                      | 6,200  | 365                         | 6,500 6   |
| 1,400      | 1,500  | 5,300         | 5,300   | 2                         | 1,000  | 18                      | 5,000  | -                           | - 7       |
| 1,190      | 357    | 8,660         | 8,660   | -                         | -      | 5                       | 1,500  | -                           | - 8       |
| 720        | 360    | 1,620         | 1,620   | -                         | -      | -                       | -      | -                           | - 9       |
| 2,073      | 1,347  | 230           | 230     | -                         | -      | -                       | -      | -                           | - 10      |
| 956        | 1,650  | -             | -       | 3                         | 1,000  | 18                      | 2,000  | -                           | - 11      |
| 6,339      | 5,214  | 15,810        | 15,810  | 5                         | 2,000  | 41                      | 8,500  | -                           | - 12      |
| 2,200      | 4,400  | 37,120        | 50,112  | 11                        | 5,500  | 12                      | 3,500  | 290                         | 14,600 13 |
| 720        | 1,440  | 61,600        | 61,600  | 11                        | 5,000  | 6                       | 3,000  | 32                          | 6,000 14  |
| 2,920      | 5,840  | 98,720        | 111,712 | 22                        | 10,500 | 18                      | 6,500  | 322                         | 20,600 15 |
| 21         | 21     | 3             | 2       | -                         | -      | 26                      | 2,020  | -                           | - 16      |
| 500        | 500    | -             | -       | 2                         | 800    | 6                       | 18,000 | 75                          | 7,500 17  |
| 576        | 719    | -             | -       | 140                       | 7,000  | 4                       | 1,200  | -                           | - 18      |
| 840        | 900    | -             | -       | 32                        | 1,200  | 12                      | 900    | -                           | - 19      |
| 895        | 625    | 1,820         | 1,820   | 74                        | 3,700  | -                       | -      | 100                         | 15,000 20 |
| 630        | 630    | 1,166         | 1,166   | 60                        | 3,000  | 3                       | 2,300  | 117                         | 7,135 21  |
| 250        | 250    | -             | -       | 50                        | 2,500  | -                       | -      | 200                         | 16,000 22 |
| 3,712      | 3,645  | 2,989         | 2,988   | 358                       | 18,200 | 51                      | 24,420 | 492                         | 45,635 23 |
| 300        | 600    | -             | -       | -                         | -      | -                       | -      | 15                          | 150 24    |
| -          | -      | -             | -       | -                         | -      | -                       | -      | 2                           | 40 25     |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Districts       |                                          | Boats        |        |          |        | Total Men | Gill Nets, Seines, etc. |        |
|-------------------------|------------------------------------------|--------------|--------|----------|--------|-----------|-------------------------|--------|
|                         |                                          | Sail and Row |        | Gasoline |        |           |                         |        |
|                         |                                          | No.          | Value  | No.      | Value  |           | No.                     | No.    |
| Quebec—Inland Fisheries |                                          |              | \$     |          | \$     |           |                         | \$     |
| 1                       | Total Inland Fisheries for Province..... | 1,498        | 49,868 | 222      | 80,990 | 2,161     | 780                     | 81,057 |
| Below Quebec—           |                                          |              |        |          |        |           |                         |        |
| 2                       | Bellechasse County.....                  | 71           | 1,080  | 3        | 900    | 80        | 9                       | 340    |
| 3                       | Charlevoix-Saguenay County.....          | 103          | 4,375  | 50       | 15,000 | 373       | 52                      | 5,630  |
| 4                       | Kamouraska County.....                   | 65           | 960    | 8        | 2,400  | 80        | 9                       | 94     |
| 5                       | Montmorency County.....                  | 2            | 80     | 2        | 800    | 139       | —                       | —      |
| 6                       | Temiscouata County.....                  | 190          | 8,800  | 4        | 2,000  | 450       | 9                       | 750    |
| 7                       | Totals.....                              | 431          | 15,295 | 67       | 21,100 | 1,122     | 79                      | 6,814  |
| Above Quebec—           |                                          |              |        |          |        |           |                         |        |
| 8                       | Argenteuil County.....                   | 17           | 255    | 1        | 100    | 18        | 28                      | 154    |
| 9                       | Beauharnois County.....                  | 60           | 1,950  | 18       | 5,400  | 42        | 25                      | 300    |
| 10                      | Berthier County.....                     | 19           | 380    | —        | —      | 22        | 6                       | 180    |
| 11                      | Chambly County.....                      | 32           | 590    | —        | —      | 39        | 9                       | 276    |
| 12                      | Champlain County.....                    | 6            | 1,200  | 5        | 1,000  | 15        | 32                      | 900    |
| 13                      | Chateauguay County.....                  | 32           | 720    | 7        | 1,900  | 18        | 20                      | 875    |
| 14                      | Hull County.....                         | 31           | 465    | —        | —      | 31        | 19                      | 95     |
| 15                      | Huntingdon County.....                   | 50           | 1,250  | 12       | 1,650  | 45        | 10                      | 225    |
| 16                      | Jacques-Cartier County.....              | 15           | 300    | 12       | 1,500  | 10        | 12                      | 120    |
| 17                      | Labelle County.....                      | 14           | 200    | —        | —      | 8         | 150                     | 75     |
| 18                      | Laprairie County.....                    | 21           | 525    | 4        | 560    | 38        | 18                      | 720    |
| 19                      | L'Assomption County.....                 | 38           | 1,520  | 1        | 150    | 70        | 38                      | 1,555  |
| 20                      | Lévis and Lotbinière Counties.....       | 56           | 1,402  | 1        | 300    | 90        | 42                      | 41,620 |
| 21                      | Maskinonge County.....                   | 37           | 444    | 15       | 1,200  | 37        | —                       | —      |
| 22                      | Missisquoi County.....                   | 8            | 500    | —        | —      | 24        | 8                       | 1,300  |
| 23                      | Montreal County.....                     | 147          | 2,940  | —        | —      | 179       | 74                      | 591    |
| 24                      | Nicolet County.....                      | 141          | 1,730  | 8        | 1,650  | 37        | 13                      | 260    |
| 25                      | Pontiac County.....                      | —            | —      | 1        | 200    | 20        | 10                      | 700    |
| 26                      | Richelieu County.....                    | 82           | 9,550  | 20       | 7,000  | 15        | 60                      | 300    |
| 27                      | St. Hyacinthe County.....                | —            | —      | —        | —      | 8         | —                       | —      |
| 28                      | St. Jean County.....                     | 20           | 1,430  | —        | —      | 32        | —                       | —      |
| 29                      | Soulanges County.....                    | 53           | 675    | 2        | 200    | 50        | 1                       | 200    |
| 30                      | Temiscamingue and Abitibi Counties..     | 24           | 2,445  | 19       | 29,650 | 52        | 54                      | 22,475 |
| 31                      | Trois-Rivières County.....               | 18           | 340    | 2        | 300    | 39        | 38                      | 414    |
| 32                      | Vaudreuil County.....                    | 21           | 384    | 5        | 700    | 9         | 21                      | 403    |
| 33                      | Verchères County.....                    | 20           | 228    | 1        | 130    | 32        | 12                      | 480    |
| 34                      | Yamaska County.....                      | 105          | 3,150  | 21       | 6,300  | 59        | 1                       | 25     |
| 35                      | Totals.....                              | 1,067        | 34,573 | 155      | 59,890 | 1,039     | 701                     | 74,243 |

| Fishing Districts |                                                                                         | Steam Tugs |       |         |     | Boats        |        |          |         | Fishing Gear |           |         |
|-------------------|-----------------------------------------------------------------------------------------|------------|-------|---------|-----|--------------|--------|----------|---------|--------------|-----------|---------|
|                   |                                                                                         |            |       |         |     | Sail and Row |        | Gasoline |         | Total Men    | Gill Nets |         |
|                   |                                                                                         |            |       |         |     | No.          | Value  | No.      | Value   |              | No.       | Value   |
| Ontario           |                                                                                         |            |       | \$      | no. |              | \$     |          | \$      |              |           | \$      |
| 1                 | Totals for Province.....                                                                | 118        | 2,959 | 797,305 | 561 | 1,040        | 55,867 | 1,006    | 618,020 | 3,595        | 7,172,456 | 815,599 |
| 2                 | Lake of the Woods and Inland waters of Kenora and Rainy River Districts.....            | 2          | 23    | 4,700   | 6   | 115          | 4,962  | 141      | 69,300  | 306          | 350,940   | 49,924  |
| 3                 | Lake Superior.....                                                                      | 14         | 411   | 56,600  | 80  | 79           | 6,045  | 62       | 37,480  | 220          | 1,021,740 | 92,989  |
| 4                 | North Channel (Lake Huron)...                                                           | 10         | 258   | 71,000  | 40  | 65           | 4,300  | 41       | 21,275  | 158          | 334,047   | 43,170  |
| 5                 | Georgian Bay (Lake Huron)....                                                           | 29         | 715   | 221,500 | 132 | 92           | 4,640  | 141      | 103,080 | 440          | 1,492,050 | 155,184 |
| 6                 | Lake Huron (proper).....                                                                | 17         | 396   | 100,755 | 60  | 37           | 2,460  | 76       | 54,960  | 245          | 808,155   | 101,805 |
| 7                 | Lake St. Clair, River St. Clair, and Detroit River.....                                 | —          | —     | —       | —   | 75           | 4,630  | 40       | 15,500  | 127          | —         | —       |
| 8                 | Lake Erie and Upper Niagara River.....                                                  | 35         | 926   | 297,000 | 180 | 140          | 8,734  | 147      | 150,715 | 589          | 1,432,615 | 193,453 |
| 9                 | Lake Ontario, Lower Niagara, and St. Lawrence Rivers.....                               | 1          | 3     | 250     | 3   | 245          | 12,384 | 298      | 137,250 | 875          | 1,406,655 | 142,439 |
| 10                | Inland waters—Lake Nipigon, Lake Nipissing, Lake Simcoe, etc., including Ottawa River.. | 10         | 227   | 45,500  | 60  | 192          | 7,712  | 60       | 28,460  | 635          | 326,254   | 36,635  |



## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Gear |         |       |       |                         |        |                             |        |    |
|--------------|---------|-------|-------|-------------------------|--------|-----------------------------|--------|----|
| Weirs        |         | Lines |       | Freezers and Ice Houses |        | Small Fish and Smoke Houses |        |    |
| No.          | Value   | No.   | Value | No.                     | Value  | No.                         | Value  |    |
|              | \$      |       | \$    |                         | \$     |                             | \$     |    |
| 1,442        | 124,487 | 1,657 | 5,140 | 241                     | 34,787 | 222                         | 11,650 | 1  |
| 72           | 56,950  | -     | -     | 42                      | 1,625  | -                           | -      | 2  |
| 44           | 5,300   | 4     | 40    | 86                      | 8,800  | 81                          | 4,050  | 3  |
| -            | -       | -     | -     | 2                       | 100    | 6                           | 120    | 4  |
| 133          | 39,900  | -     | -     | 5                       | 500    | -                           | -      | 5  |
| 250          | 375     | 350   | 350   | -                       | -      | 50                          | 5,000  | 6  |
| 499          | 102,615 | 354   | 390   | 135                     | 11,025 | 137                         | 9,170  | 7  |
| -            | -       | 9     | 29    | 4                       | 125    | -                           | -      | 8  |
| -            | -       | 43    | 172   | 2                       | 100    | 35                          | 175    | 9  |
| 47           | 235     | 500   | 2,000 | -                       | -      | -                           | -      | 10 |
| -            | -       | 17    | 34    | -                       | -      | -                           | -      | 11 |
| 2            | 820     | -     | -     | 3                       | 2,500  | -                           | -      | 12 |
| 2            | 20      | 21    | 255   | 1                       | 300    | 1                           | 25     | 13 |
| 2            | 8       | 31    | 92    | 1                       | 80     | -                           | -      | 14 |
| -            | -       | 138   | 276   | 2                       | 375    | -                           | -      | 15 |
| 1            | 25      | 20    | 100   | -                       | -      | -                           | -      | 16 |
| -            | -       | 3     | 15    | 4                       | 425    | -                           | -      | 17 |
| 10           | 40      | 13    | 91    | -                       | -      | -                           | -      | 18 |
| 42           | 810     | 9     | 80    | -                       | -      | -                           | -      | 19 |
| -            | -       | -     | -     | -                       | -      | -                           | -      | 20 |
| 156          | 1,872   | 12    | 25    | -                       | -      | -                           | -      | 21 |
| -            | -       | -     | -     | -                       | -      | 8                           | 1,000  | 22 |
| 4            | 12      | 80    | 240   | -                       | -      | -                           | -      | 23 |
| 140          | 140     | 135   | 297   | 12                      | 202    | 36                          | 680    | 24 |
| -            | -       | 20    | 200   | 1                       | 400    | -                           | -      | 25 |
| 180          | 7,040   | 20    | 200   | 8                       | 2,400  | 4                           | 100    | 26 |
| -            | -       | 5     | 10    | -                       | -      | -                           | -      | 27 |
| -            | -       | -     | -     | 41                      | 1,280  | -                           | -      | 28 |
| -            | -       | 16    | 160   | 8                       | 200    | 1                           | 500    | 29 |
| 63           | 5,160   | -     | -     | 12                      | 14,500 | -                           | -      | 30 |
| -            | -       | 9     | 18    | -                       | -      | -                           | -      | 31 |
| -            | -       | 150   | 300   | -                       | -      | -                           | -      | 32 |
| 17           | 150     | -     | -     | -                       | -      | -                           | -      | 33 |
| 277          | 5,540   | 52    | 156   | 7                       | 875    | -                           | -      | 34 |
| 943          | 21,872  | 1,303 | 4,750 | 106                     | 23,762 | 85                          | 2,480  | 35 |

| Fishing Gear |        |            |         |           |        |                   |       |       |        |        |       |                   |        |                         |         |    |
|--------------|--------|------------|---------|-----------|--------|-------------------|-------|-------|--------|--------|-------|-------------------|--------|-------------------------|---------|----|
| Seines       |        | Pound Nets |         | Hoop Nets |        | Dip and Roll Nets |       | Lines |        | Spears |       | Piers and Wharves |        | Freezers and Ice Houses |         |    |
| Yards        | Value  | No.        | Value   | No.       | Value  | No.               | Value | No.   | Value  | No.    | Value | No.               | Value  | No.                     | Value   |    |
|              | \$     |            | \$      |           | \$     |                   | \$    |       | \$     |        | \$    |                   | \$     |                         | \$      |    |
| 25,920       | 21,925 | 1,224      | 528,422 | 959       | 33,764 | 47                | 651   | 1,006 | 14,937 | 123    | 910   | 346               | 98,155 | 486                     | 271,635 | 1  |
| -            | -      | 65         | 17,995  | 60        | 2,330  | -                 | -     | -     | -      | -      | -     | 96                | 16,340 | 118                     | 38,130  | 2  |
| -            | -      | 44         | 15,785  | -         | -      | -                 | -     | 12    | 110    | -      | -     | 24                | 8,815  | 20                      | 9,125   | 3  |
| -            | -      | 127        | 9,767   | 10        | 350    | -                 | -     | 50    | 1,200  | -      | -     | 32                | 22,325 | 32                      | 15,755  | 4  |
| 600          | 530    | 81         | 76,550  | 22        | 510    | -                 | -     | 390   | 7,233  | 15     | 71    | 44                | 12,370 | 46                      | 32,235  | 5  |
| -            | -      | 119        | 66,400  | -         | -      | -                 | -     | 264   | 5,046  | -      | -     | 21                | 6,550  | 40                      | 15,750  | 6  |
| 5,945        | 3,830  | 206        | 23,750  | -         | -      | -                 | -     | 43    | 383    | -      | -     | 17                | 3,215  | 3                       | 111,650 | 7  |
| 11,500       | 8,825  | 543        | 303,700 | 45        | 1,110  | 2                 | 4     | 23    | 142    | -      | -     | 51                | 15,625 | 86                      | 120,500 | 8  |
| 955          | 995    | -          | -       | 597       | 21,809 | 4                 | 360   | 175   | 653    | -      | -     | 42                | 9,530  | 64                      | 14,350  | 9  |
| 6,920        | 7,745  | 39         | 14,475  | 225       | 7,655  | 41                | 287   | 49    | 170    | 108    | 839   | 19                | 3,385  | 49                      | 14,140  | 10 |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Districts                     | Vessels    |         |         |     | Boats        |        |          |        |           | Barges |       |     |
|---------------------------------------|------------|---------|---------|-----|--------------|--------|----------|--------|-----------|--------|-------|-----|
|                                       | Steam Tugs |         |         |     | Sail and Row |        | Gasoline |        | Total Men |        |       |     |
|                                       | No.        | Tonnage | Value   | Men | No.          | Value  | No.      | Value  | No.       | No.    | Value | Men |
| <b>Manitoba</b>                       |            |         | \$      | no. |              | \$     |          | \$     |           |        | \$    | no. |
| 1 Totals for Province.....            | 20         | 1,710   | 240,048 | 171 | 953          | 54,665 | 105      | 55,750 | 1,530     | 2      | 5,000 | 4   |
| 2 Lake Winnipeg.....                  | 13         | 1,488   | 197,048 | 135 | 850          | 50,200 | 43       | 22,750 | 1,283     | -      | -     | -   |
| 3 Lake Winnipegosis.....              | 4          | 137     | 32,000  | 25  | 51           | 2,040  | 51       | 25,500 | 153       | 2      | 5,000 | 4   |
| 4 The Pas.....                        | 3          | 85      | 11,000  | 11  | 43           | 1,975  | 4        | 5,000  | 78        | -      | -     | -   |
| 5 Buffalo Bay.....                    | -          | -       | -       | -   | 9            | 450    | 7        | 2,500  | 16        | -      | -     | -   |
| 6 Lake Manitoba.....                  | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 7 Lake St. Martin.....                | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 8 Lake Waterhen.....                  | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 9 Lake Dauphin.....                   | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| <b>Saskatchewan</b>                   |            |         |         |     |              |        |          |        |           |        |       |     |
| 10 Totals for Province.....           | -          | -       | -       | -   | 67           | 1,720  | 27       | 7,850  | 105       | -      | -     | -   |
| 11 Des Isles Lake District.....       | -          | -       | -       | -   | 3            | 105    | 1        | 250    | 4         | -      | -     | -   |
| 12 Onion Lake District.....           | -          | -       | -       | -   | 5            | 175    | -        | -      | 6         | -      | -     | -   |
| 13 Jackfish Lake District.....        | -          | -       | -       | -   | 10           | 350    | 2        | 500    | 13        | -      | -     | -   |
| 14 Turtle Lake District.....          | -          | -       | -       | -   | 12           | 420    | 6        | 1,500  | 18        | -      | -     | -   |
| 15 Waterhen Lake District.....        | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 16 Ile à la Crosse Lake District..... | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 17 Doré Lake District.....            | -          | -       | -       | -   | -            | -      | 5        | 1,200  | 5         | -      | -     | -   |
| 18 Okemasis Lake District.....        | -          | -       | -       | -   | -            | -      | 3        | 1,400  | 3         | -      | -     | -   |
| 19 Montreal Lake District.....        | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 20 Candle Lake District.....          | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 21 Lac la Ronge District.....         | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 22 Green Lake District.....           | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 23 Saskatchewan River District.....   | -          | -       | -       | -   | 17           | 170    | -        | -      | 17        | -      | -     | -   |
| 24 Long Lake District.....            | -          | -       | -       | -   | 20           | 500    | 10       | 3,000  | 39        | -      | -     | -   |
| 25 Qu'Appelle Lake District.....      | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 26 Quill Lake District.....           | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 27 Katepwe Lake District.....         | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 28 Peter Pond Lake District.....      | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| <b>Alberta</b>                        |            |         |         |     |              |        |          |        |           |        |       |     |
| 29 Totals for Province.....           | -          | -       | -       | -   | 106          | 14,880 | 135      | 81,170 | 395       | -      | -     | -   |
| 30 Cold Lake District.....            | -          | -       | -       | -   | 9            | 330    | 2        | 970    | 25        | -      | -     | -   |
| 31 Lac la Biche District.....         | -          | -       | -       | -   | 20           | 3,000  | 37       | 16,000 | 100       | -      | -     | -   |
| 32 Athabasca District.....            | -          | -       | -       | -   | 8            | 300    | 3        | 2,000  | 40        | -      | -     | -   |
| 33 Athabasca Lake District.....       | -          | -       | -       | -   | 25           | 9,000  | 6        | 25,000 | 50        | -      | -     | -   |
| 34 Wabamun Lake District.....         | -          | -       | -       | -   | 14           | 300    | 16       | 2,000  | 43        | -      | -     | -   |
| 35 Lesser Slave Lake.....             | -          | -       | -       | -   | 15           | 1,500  | 56       | 33,000 | 104       | -      | -     | -   |
| 36 Lesser Slave Lake District.....    | -          | -       | -       | -   | 5            | 200    | 4        | 1,000  | 13        | -      | -     | -   |
| 37 Lac Ste. Anne District.....        | -          | -       | -       | -   | 10           | 250    | 6        | 1,200  | 20        | -      | -     | -   |
| 38 Edson District.....                | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 39 Moose Lake District.....           | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 40 Pigeon Lake District.....          | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 41 Buffalo Lake District.....         | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 42 Sturgeon Lake District.....        | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| 43 Trout Lake District.....           | -          | -       | -       | -   | -            | -      | -        | -      | -         | -      | -     | -   |
| <b>Yukon Territory</b>                |            |         |         |     |              |        |          |        |           |        |       |     |
| 44 Totals for Territory.....          | -          | -       | -       | -   | 17           | 350    | 7        | 2,645  | 37        | -      | -     | -   |

NOTE.—In addition to the above, equipment was used, valued as follows:—

|                             | Manitoba  | Saskatchewan | Alberta    |
|-----------------------------|-----------|--------------|------------|
| Under Domestic License..... | \$ 24,085 | \$ 18,864    | \$ 108,000 |
| By Anglers.....             | 9,662     | 89,421       | 152,000    |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Men<br>fishing<br>without<br>boats | Fishing Gear |         |               |       |              |       |             |       |       |       |                |       |                      |        |                                  |         |                                      |        |    |
|------------------------------------|--------------|---------|---------------|-------|--------------|-------|-------------|-------|-------|-------|----------------|-------|----------------------|--------|----------------------------------|---------|--------------------------------------|--------|----|
|                                    | Gill<br>Nets |         | Pound<br>Nets |       | Hoop<br>Nets |       | Dip<br>Nets |       | Lines |       | Fish<br>Wheels |       | Piers and<br>Wharves |        | Freezers<br>and<br>Ice<br>Houses |         | Small<br>Fish and<br>Smoke<br>Houses |        |    |
|                                    | No.          | Value   | No.           | Value | No.          | Value | No.         | Value | No.   | Value | No.            | Value | No.                  | Value  | No.                              | Value   | No.                                  | Value  |    |
|                                    |              | \$      |               | \$    |              | \$    |             | \$    |       | \$    |                | \$    |                      | \$     |                                  | \$      |                                      | \$     |    |
| 2,390                              | 52,270       | 483,558 | 16            | 3,200 | 13           | 150   | 10          | 40    | 3     | 15    | -              | -     | 43                   | 54,093 | 85                               | 106,430 | 72                                   | 29,350 | 1  |
| 678                                | 16,700       | 202,142 | -             | -     | 13           | 150   | -           | -     | -     | -     | -              | -     | 35                   | 49,393 | 71                               | 85,930  | 22                                   | 5,850  | 2  |
| 396                                | 9,481        | 91,528  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 6                    | 4,600  | 8                                | 15,000  | 12                                   | 8,000  | 3  |
| 107                                | 1,797        | 18,376  | -             | -     | -            | -     | -           | -     | 3     | 15    | -              | -     | -                    | -      | 3                                | 5,200   | 3                                    | 3,500  | 4  |
| 4                                  | 133          | 1,700   | 16            | 3,200 | -            | -     | -           | -     | -     | -     | -              | -     | 2                    | 100    | 3                                | 300     | 2                                    | 200    | 5  |
| 1,126                              | 23,000       | 161,000 | -             | -     | -            | -     | 10          | 40    | -     | -     | -              | -     | -                    | -      | -                                | -       | 24                                   | 9,000  | 6  |
| 40                                 | 500          | 3,500   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | 5                                    | 1,100  | 7  |
| 18                                 | 324          | 2,592   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | 1                                    | 1,000  | 8  |
| 21                                 | 335          | 2,720   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | 3                                    | 700    | 9  |
| 865                                | 4,204        | 74,837  | -             | -     | 24           | 240   | -           | -     | 2     | 20    | -              | -     | 30                   | 2,650  | 38                               | 4,250   | 6                                    | 400    | 10 |
| 14                                 | 54           | 1,080   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 1                    | 100    | 1                                | 200     | -                                    | -      | 11 |
| 42                                 | 126          | 2,520   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 2                    | 200    | 4                                | 400     | -                                    | -      | 12 |
| 170                                | 549          | 10,980  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 5                    | 500    | 8                                | 800     | 1                                    | 100    | 13 |
| 25                                 | 129          | 2,580   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 9                    | 900    | 9                                | 900     | -                                    | -      | 14 |
| 47                                 | 141          | 2,820   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 15 |
| 130                                | 699          | 15,609  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 2                    | 200    | -                                | -       | -                                    | -      | 16 |
| 90                                 | 630          | 9,450   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 3                    | 150    | 5                                | 350     | 5                                    | 300    | 17 |
| 22                                 | 119          | 1,785   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 2                    | 150    | 4                                | 1,000   | -                                    | -      | 18 |
| 20                                 | 212          | 3,180   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 19 |
| 7                                  | 21           | 420     | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 20 |
| 79                                 | 408          | 7,416   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 21 |
| 24                                 | 72           | 1,080   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | 1                                | 150     | -                                    | -      | 22 |
| 10                                 | 26           | 260     | -             | -     | 24           | 240   | -           | -     | 2     | 20    | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 23 |
| 25                                 | 210          | 1,680   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 6                    | 450    | 6                                | 450     | -                                    | -      | 24 |
| 36                                 | 102          | 836     | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 25 |
| 8                                  | 24           | 360     | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 26 |
| 26                                 | 92           | 781     | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 27 |
| 90                                 | 590          | 12,000  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 28 |
| 766                                | 5,633        | 118,805 | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 50                   | 12,375 | 103                              | 47,290  | 55                                   | 3,970  | 29 |
| 100                                | 730          | 24,000  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 1                    | 150    | 12                               | 2,500   | 1                                    | 250    | 30 |
| 64                                 | 853          | 17,020  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 3                    | 2,000  | 14                               | 8,000   | 2                                    | 200    | 31 |
| 79                                 | 396          | 7,620   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | 7                                | 900     | 1                                    | 120    | 32 |
| -                                  | 207          | 3,070   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 4                    | 4,000  | 4                                | 10,000  | 1                                    | 1,000  | 33 |
| 42                                 | 366          | 6,500   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 12                   | 400    | 24                               | 1,350   | 16                                   | 630    | 34 |
| 126                                | 1,304        | 20,600  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 19                   | 5,500  | 19                               | 20,500  | 2                                    | 150    | 35 |
| -                                  | 43           | 700     | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 5                    | 235    | 3                                | 240     | 1                                    | 100    | 36 |
| -                                  | 85           | 1,050   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | 6                    | 90     | 5                                | 200     | 6                                    | 120    | 37 |
| 3                                  | 9            | 100     | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 38 |
| 12                                 | 54           | 1,120   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 39 |
| 142                                | 858          | 10,500  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | 5                                | 600     | 21                                   | 800    | 40 |
| 20                                 | 60           | 1,700   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 41 |
| 26                                 | 105          | 2,600   | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | -                                | -       | -                                    | -      | 42 |
| 152                                | 613          | 22,225  | -             | -     | -            | -     | -           | -     | -     | -     | -              | -     | -                    | -      | 10                               | 3,000   | 4                                    | 600    | 43 |
| -                                  | 60           | 2,200   | -             | -     | -            | -     | -           | -     | -     | -     | 7              | 1,050 | -                    | -      | 2                                | 200     | 1                                    | 100    | 44 |

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Fishing Districts |                                                            | Steam Trawlers |              |         |     | Vessels |              |         |     |
|-------------------|------------------------------------------------------------|----------------|--------------|---------|-----|---------|--------------|---------|-----|
|                   |                                                            |                |              |         |     | Steam   |              |         |     |
|                   |                                                            | No.            | Ton-<br>nage | Value   | Men | No.     | Ton-<br>nage | Value   | Men |
| British Columbia  |                                                            |                |              | \$      | no. |         |              | \$      | no. |
| 1                 | Totals for Province.....                                   | 3              | 288          | 180,000 | 17  | 8       | 675          | 167,000 | 74  |
| 2                 | District No. 1—Totals.....                                 | -              | -            | -       | -   | -       | -            | -       | -   |
| District No. 2—   |                                                            |                |              |         |     |         |              |         |     |
| 3                 | Prince Rupert and Skeena River District.....               | 3              | 288          | 180,000 | 17  | -       | -            | -       | -   |
| 4                 | Rivers Inlet and Smiths Inlet District.....                | -              | -            | -       | -   | -       | -            | -       | -   |
| 5                 | Naas River District.....                                   | -              | -            | -       | -   | -       | -            | -       | -   |
| 6                 | Bella Coola and Kimsquit.....                              | -              | -            | -       | -   | -       | -            | -       | -   |
| 7                 | Addenbrooke Island to Lowe Inlet.....                      | -              | -            | -       | -   | 2       | 75           | 17,000  | 8   |
| 8                 | Queen Charlotte Islands.....                               | -              | -            | -       | -   | 6       | 600          | 150,000 | 66  |
| 9                 | Totals for District.....                                   | 3              | 288          | 180,000 | 17  | 8       | 675          | 167,000 | 74  |
| District No. 3—   |                                                            |                |              |         |     |         |              |         |     |
| 10                | Cape Scott to Tatchu Point.....                            | -              | -            | -       | -   | -       | -            | -       | -   |
| 11                | Tatchu Point to and including Wreck Bay.....               | -              | -            | -       | -   | -       | -            | -       | -   |
| 12                | Wreck Bay to San Juan Harbour.....                         | -              | -            | -       | -   | -       | -            | -       | -   |
| 13                | San Juan Harbour to north side Cowichan Bay.....           | -              | -            | -       | -   | -       | -            | -       | -   |
| 14                | North side Cowichan Bay to Big Qualicum River.....         | -              | -            | -       | -   | -       | -            | -       | -   |
| 15                | Big Qualicum River to and including Oyster River.....      | -              | -            | -       | -   | -       | -            | -       | -   |
| 16                | Oyster River to Adams River with surrounding district..... | -              | -            | -       | -   | -       | -            | -       | -   |
| 17                | Adams River to Cape Scott with surrounding district.....   | -              | -            | -       | -   | -       | -            | -       | -   |
| 18                | Bute Inlet to Gower Point.....                             | -              | -            | -       | -   | -       | -            | -       | -   |
| 19                | Totals for District.....                                   | -              | -            | -       | -   | -       | -            | -       | -   |

| Fishing Districts          |                                                            | Fishing Gear                                       |           |               |        |
|----------------------------|------------------------------------------------------------|----------------------------------------------------|-----------|---------------|--------|
|                            |                                                            | Gill Nets, Seines,<br>Trap and Smelt<br>Nets, etc. |           | Tubs of Trawl |        |
|                            |                                                            | No.                                                | Value     | No.           | Value  |
| British Columbia—concluded |                                                            |                                                    | \$        |               | \$     |
| 1                          | Totals for Province.....                                   | 6,519                                              | 2,579,051 | 1,423         | 49,700 |
| 2                          | District No. 1—Totals.....                                 | 998                                                | 235,250   | 22            | 5,700  |
| District No. 2—            |                                                            |                                                    |           |               |        |
| 3                          | Prince Rupert and Skeena River District.....               | 1,497                                              | 327,040   | 1,401         | 44,000 |
| 4                          | Rivers Inlet and Smiths Inlet District.....                | 1,673                                              | 506,900   | -             | -      |
| 5                          | Naas River District.....                                   | 399                                                | 96,920    | -             | -      |
| 6                          | Bella Coola and Kimsquit.....                              | 631                                                | 118,290   | -             | -      |
| 7                          | Addenbrooke Island to Lowe Inlet.....                      | 351                                                | 340,500   | -             | -      |
| 8                          | Queen Charlotte Islands.....                               | 116                                                | 131,151   | -             | -      |
| 9                          | Totals for District.....                                   | 4,667                                              | 1,521,801 | 1,401         | 44,000 |
| District No. 3—            |                                                            |                                                    |           |               |        |
| 10                         | Cape Scott to Tatchu Point.....                            | 50                                                 | 36,000    | -             | -      |
| 11                         | Tatchu Point to and including Wreck Bay.....               | 56                                                 | 57,000    | -             | -      |
| 12                         | Wreck Bay to San Juan Harbour.....                         | 230                                                | 324,000   | -             | -      |
| 13                         | San Juan Harbour to north side Cowichan Bay.....           | 53                                                 | 130,000   | -             | -      |
| 14                         | North side Cowichan Bay to Big Qualicum River.....         | 150                                                | 56,000    | -             | -      |
| 15                         | Big Qualicum River to and including Oyster River.....      | 56                                                 | 80,000    | -             | -      |
| 16                         | Oyster River to Adams River with surrounding district..... | 37                                                 | 40,000    | -             | -      |
| 17                         | Adams River to Cape Scott with surrounding district.....   | 102                                                | 79,000    | -             | -      |
| 18                         | Bute Inlet to Gower Point.....                             | 120                                                | 20,000    | -             | -      |
| 19                         | Totals for District.....                                   | 854                                                | 822,000   | -             | -      |

\* Comprises Fraser River and Howe Sound.

## II. Agencies of Production, 1927—Part 1. In Primary Operations—con.

| Vessels              |            |            |             |           | Boats        |         |          |           |           | Carrying Smacks and Scows |         |     | Men fishing without boats |
|----------------------|------------|------------|-------------|-----------|--------------|---------|----------|-----------|-----------|---------------------------|---------|-----|---------------------------|
| Sailing and Gasoline |            |            |             |           | Sail and Row |         | Gasoline |           | Total Men |                           |         |     |                           |
| 40 tons and over     | 20-40 tons | 10-20 tons | Total Value | Total Men | No.          | Value   | No.      | Value     |           | No.                       | Value   | Men |                           |
| no.                  | no.        | no.        | \$          | no.       |              | \$      |          | \$        | no.       |                           | \$      | no. | no.                       |
| 19                   | 239        | 491        | 5,900,585   | 3,115     | 3,692        | 418,668 | 4,186    | 2,415,320 | 9,453     | 418                       | 375,500 | 357 | 60 1                      |
| -                    | 6          | -          | 43,000      | 24        | 142          | 10,590  | 989      | 313,660   | 1,328     | 202                       | 177,300 | 210 | - 2                       |
| 5                    | 29         | 63         | 626,100     | 301       | 1,050        | 151,103 | 507      | 417,835   | 2,443     | 92                        | 114,000 | 29  | - 3                       |
| -                    | 21         | 30         | 307,985     | 110       | 1,226        | 134,860 | 642      | 447,150   | 1,962     | -                         | -       | -   | - 4                       |
| 1                    | 7          | 19         | 202,000     | 112       | 375          | 63,100  | 77       | 58,975    | 470       | -                         | -       | -   | - 5                       |
| -                    | 15         | 4          | 162,000     | 67        | 266          | 28,360  | 66       | 39,600    | 337       | -                         | -       | -   | - 6                       |
| 1                    | 47         | 82         | 1,227,500   | 625       | 153          | 12,400  | 250      | 260,000   | 539       | -                         | -       | -   | - 7                       |
| 2                    | 31         | 83         | 982,000     | 573       | 4            | 75      | 175      | 176,000   | 262       | -                         | -       | -   | - 8                       |
| 9                    | 150        | 281        | 3,507,585   | 1,788     | 3,074        | 389,898 | 1,717    | 1,399,560 | 6,013     | 92                        | 114,000 | 29  | - 9                       |
| -                    | 1          | 16         | 139,000     | 91        | 10           | 400     | 75       | 31,000    | 110       | 4                         | 8,000   | 8   | - 10                      |
| -                    | 9          | 15         | 184,000     | 136       | 15           | 800     | 138      | 55,200    | 174       | 16                        | 14,000  | 14  | - 11                      |
| 4                    | 12         | 70         | 720,000     | 273       | 20           | 1,500   | 320      | 256,000   | 360       | 60                        | 42,000  | 60  | 50 12                     |
| -                    | 1          | 8          | 65,000      | 32        | 38           | 2,280   | 106      | 42,400    | 155       | -                         | -       | -   | - 13                      |
| 6                    | 38         | -          | 384,000     | 200       | 36           | 600     | 263      | 98,000    | 316       | 30                        | 10,000  | 24  | - 14                      |
| -                    | 18         | 24         | 290,000     | 208       | 103          | 4,000   | 34       | 16,000    | 158       | -                         | -       | -   | 10 15                     |
| -                    | 2          | 22         | 178,000     | 122       | 163          | 4,800   | 129      | 51,000    | 309       | 10                        | 7,000   | 10  | - 16                      |
| -                    | 2          | 42         | 344,000     | 200       | 48           | 2,500   | 240      | 79,000    | 298       | -                         | -       | -   | - 17                      |
| -                    | -          | 13         | 46,000      | 41        | 43           | 1,300   | 173      | 73,500    | 232       | 4                         | 3,200   | 2   | - 18                      |
| 10                   | 83         | 210        | 2,350,000   | 1,303     | 476          | 18,180  | 1,480    | 702,100   | 2,112     | 124                       | 84,200  | 118 | 60 19                     |

## Fishing Gear

| Hand Lines |        | Crab Traps |        | Oyster Plant and Equipment |        | Fishing Piers and Wharves |        | Ice Houses |        | Small Fish and Smoke Houses |        |    |
|------------|--------|------------|--------|----------------------------|--------|---------------------------|--------|------------|--------|-----------------------------|--------|----|
| No.        | Value  | No.        | Value  | No.                        | Value  | No.                       | Value  | No.        | Value  | No.                         | Value  |    |
|            | \$     |            | \$     |                            | \$     |                           | \$     |            | \$     |                             | \$     |    |
| 9,313      | 68,277 | 6,045      | 22,735 | 1                          | 26,000 | 13                        | 10,200 | 9          | 13,300 | 30                          | 37,300 | 1  |
| 310        | 1,200  | 4,000      | 14,950 | 1                          | 26,000 | -                         | -      | -          | -      | 24                          | 33,000 | 2  |
| 1,680      | 11,760 | 595        | 1,785  | -                          | -      | -                         | -      | -          | -      | 1                           | 1,500  | 3  |
| 48         | 336    | -          | -      | -                          | -      | -                         | -      | -          | -      | -                           | -      | 4  |
| 497        | 3,479  | -          | -      | -                          | -      | -                         | -      | -          | -      | -                           | -      | 5  |
| -          | -      | -          | -      | -                          | -      | -                         | -      | -          | -      | -                           | -      | 6  |
| 846        | 5,922  | -          | -      | -                          | -      | -                         | -      | -          | -      | -                           | -      | 7  |
| 840        | 5,880  | 800        | 2,400  | -                          | -      | -                         | -      | -          | -      | -                           | -      | 8  |
| 3,911      | 27,377 | 1,395      | 4,185  | -                          | -      | -                         | -      | -          | -      | 1                           | 1,500  | 9  |
| 260        | 2,400  | -          | -      | -                          | -      | -                         | -      | -          | -      | -                           | -      | 10 |
| 620        | 7,600  | 300        | 1,200  | -                          | -      | 2                         | 3,000  | -          | -      | -                           | -      | 11 |
| 1,600      | 9,600  | -          | -      | -                          | -      | 1                         | 2,000  | 1          | 10,000 | -                           | -      | 12 |
| 320        | 2,800  | 300        | 2,000  | -                          | -      | -                         | -      | 1          | 1,800  | 1                           | 1,000  | 13 |
| 560        | 4,800  | 50         | 400    | -                          | -      | 4                         | 2,800  | -          | -      | 2                           | 800    | 14 |
| 169        | 1,300  | -          | -      | -                          | -      | -                         | -      | -          | -      | -                           | -      | 15 |
| 600        | 5,000  | -          | -      | -                          | -      | -                         | -      | -          | -      | 1                           | 500    | 16 |
| 350        | 3,000  | -          | -      | -                          | -      | -                         | -      | -          | -      | -                           | -      | 17 |
| 613        | 3,200  | -          | -      | -                          | -      | 6                         | 2,400  | 7          | 1,500  | 1                           | 500    | 18 |
| 5,092      | 39,700 | 650        | 3,600  | -                          | -      | 13                        | 10,200 | 9          | 13,300 | 5                           | 2,800  | 19 |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (a) General Summary of Statistics

|    | Province and County or District         | Establishments | Capital           | Total of Employees and of Salaries and Wages |                  | Proprietors who regularly perform manual labour in establishments |
|----|-----------------------------------------|----------------|-------------------|----------------------------------------------|------------------|-------------------------------------------------------------------|
|    |                                         | no.            | \$                | no.                                          | \$               | no.                                                               |
| 1  | <b>Canada—Totals.....</b>               | <b>773</b>     | <b>24,454,482</b> | <b>16,697</b>                                | <b>5,373,951</b> | <b>289</b>                                                        |
| 2  | Lobster canneries.....                  | 438            | 1,419,604         | 6,180                                        | 537,136          | 201                                                               |
| 3  | Salmon canneries.....                   | 81             | 11,595,454        | 6,726                                        | 2,495,806        | 3                                                                 |
| 4  | Clam canneries.....                     | 15             | 99,417            | 227                                          | 37,724           | 8                                                                 |
| 5  | Sardine and other fish canneries.....   | 6              | 1,365,674         | 446                                          | 323,235          | 4                                                                 |
| 6  | Fish curing establishments.....         | 199            | 7,009,983         | 2,501                                        | 1,387,465        | 59                                                                |
| 7  | Reduction plants.....                   | 34             | 2,964,350         | 617                                          | 592,585          | 14                                                                |
| 8  | <b>Prince Edward Island—Totals.....</b> | <b>137</b>     | <b>250,640</b>    | <b>1,461</b>                                 | <b>102,887</b>   | <b>93</b>                                                         |
| 9  | Lobster canneries.....                  | 133            | 239,140           | 1,444                                        | 101,163          | 90                                                                |
| 10 | Clam canneries.....                     | 2              |                   |                                              |                  |                                                                   |
|    | Other fish canneries.....               | 1              | 11,500            | 17                                           | 1,724            | 3                                                                 |
|    | Fish curing establishments.....         | 1              |                   |                                              |                  |                                                                   |
|    | <b>Kings County—</b>                    |                |                   |                                              |                  |                                                                   |
| 11 | Lobster canneries.....                  | 43             | 106,790           | 550                                          | 37,740           | 23                                                                |
|    | Clam canneries.....                     | 2              |                   |                                              |                  |                                                                   |
| 12 | Fish curing establishments.....         | 1              | 11,300            | 17                                           | 1,724            | 2                                                                 |
|    | <b>Queens County—</b>                   |                |                   |                                              |                  |                                                                   |
| 13 | Lobster canneries.....                  | 39             | 50,850            | 371                                          | 26,186           | 26                                                                |
|    | <b>Prince County—</b>                   |                |                   |                                              |                  |                                                                   |
| 14 | Lobster canneries.....                  | 51             |                   |                                              |                  |                                                                   |
|    | Other fish canneries.....               | 1              | 81,700            | 523                                          | 37,237           | 37                                                                |
| 15 | <b>Nova Scotia—Totals.....</b>          | <b>225</b>     | <b>3,306,389</b>  | <b>3,616</b>                                 | <b>1,078,804</b> | <b>59</b>                                                         |
| 16 | Lobster canneries.....                  | 124            | 690,613           | 2,446                                        | 303,428          | 29                                                                |
| 17 | Clam canneries.....                     | 6              | 31,210            | 51                                           | 13,317           | 5                                                                 |
| 18 | Other fish canneries.....               | 3              | 358,303           | 205                                          | 142,003          | —                                                                 |
| 19 | Fish curing establishments.....         | 85             | 2,070,898         | 867                                          | 571,243          | 20                                                                |
| 20 | Reduction plants.....                   | 7              | 155,365           | 47                                           | 48,813           | 5                                                                 |
|    | <b>Richmond County—</b>                 |                |                   |                                              |                  |                                                                   |
| 21 | Lobster canneries.....                  | 6              |                   |                                              |                  |                                                                   |
|    | Fish curing establishments.....         | 2              | 13,870            | 136                                          | 12,174           | —                                                                 |
|    | <b>Cape Breton County—</b>              |                |                   |                                              |                  |                                                                   |
| 22 | Lobster canneries.....                  | 10             | 37,012            | 244                                          | 25,192           | 1                                                                 |
| 23 | Fish curing establishments.....         | 8              | 94,263            | 48                                           | 26,129           | 1                                                                 |
|    | <b>Victoria County—</b>                 |                |                   |                                              |                  |                                                                   |
| 24 | Lobster canneries.....                  | 11             | 32,050            | 179                                          | 14,069           | 3                                                                 |
| 25 | Fish curing establishments.....         | 3              | 30,144            | 24                                           | 4,794            | 1                                                                 |
|    | <b>Inverness County—</b>                |                |                   |                                              |                  |                                                                   |
| 26 | Lobster canneries.....                  | 19             | 136,288           | 361                                          | 31,187           | 4                                                                 |
| 27 | Fish curing establishments.....         | 4              | 508,140           | 70                                           | 56,780           | 1                                                                 |
|    | <b>Cumberland County—</b>               |                |                   |                                              |                  |                                                                   |
| 28 | Lobster canneries.....                  | 10             | 21,720            | 88                                           | 6,651            | 5                                                                 |
| 29 | Fish curing establishments.....         | 4              | 19,200            | 9                                            | 678              | 1                                                                 |
|    | <b>Pictou County<sup>1</sup>—</b>       |                |                   |                                              |                  |                                                                   |
| 30 | Lobster canneries.....                  | 12             | 89,182            | 372                                          | 48,924           | 3                                                                 |
|    | <b>Antigonish County—</b>               |                |                   |                                              |                  |                                                                   |
| 31 | Lobster canneries.....                  | 10             | 29,840            | 253                                          | 23,863           | 5                                                                 |
|    | <b>Guysborough County—</b>              |                |                   |                                              |                  |                                                                   |
| 32 | Lobster canneries.....                  | 10             |                   |                                              |                  |                                                                   |
|    | Other fish canneries.....               | 1              | 480,714           | 425                                          | 188,394          | 3                                                                 |
| 33 | Fish curing establishments.....         | 4              |                   |                                              |                  |                                                                   |
|    | Reduction plants.....                   | 1              | 138,514           | 56                                           | 40,475           | 2                                                                 |

<sup>1</sup>The statistics for Pictou County include 1 lobster cannery in Colechester County.

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (a) General Summary of Statistics—con.

| Fuel Used | Value of Materials Used |            |         |                 |            | Value of Products   |                                          |            |    |
|-----------|-------------------------|------------|---------|-----------------|------------|---------------------|------------------------------------------|------------|----|
|           | Fish                    | Containers | Salt    | Other Materials | Total      | Fish Marketed Fresh | Fish Canned, Cured or otherwise Prepared | Total      |    |
| \$        | \$                      | \$         | \$      | \$              | \$         | \$                  | \$                                       | \$         |    |
| 465,230   | 14,379,521              | 3,290,932  | 360,056 | 334,337         | 18,364,846 | 7,123,490           | 23,961,119                               | 31,084,609 | 1  |
| 64,326    | 2,980,409               | 304,939    | 18,103  | 9,727           | 3,313,178  | 933,631             | 3,709,313                                | 4,642,944  | 2  |
| 160,473   | 4,068,919               | 1,996,803  | 43,417  | 193,869         | 6,998,008  | 284,452             | 13,042,682                               | 13,327,134 | 3  |
| 6,000     | 63,492                  | 42,803     | 559     | 1,314           | 108,168    | -                   | 178,956                                  | 178,956    | 4  |
| 42,975    | 419,052                 | 423,783    | 18,260  | 40,296          | 901,391    | 192,981             | 1,320,476                                | 1,513,457  | 5  |
| 74,472    | 5,823,611               | 485,315    | 270,542 | 71,113          | 6,650,583  | 5,712,426           | 3,823,079                                | 9,535,505  | 6  |
| 116,984   | 429,038                 | 37,289     | 9,175   | 18,016          | 493,518    | -                   | 1,886,613                                | 1,886,613  | 7  |
| 18,143    | 583,506                 | 78,695     | 2,364   | 928             | 665,493    | 88,230              | 831,565                                  | 919,795    | 8  |
| 18,111    | 578,349                 | 77,176     | 1,699   | 928             | 658,152    | 86,310              | 821,667                                  | 907,977    | 9  |
| 32        | 5,157                   | 1,519      | 665     | -               | 7,341      | 1,920               | 9,898                                    | 11,818     | 10 |
| 8,229     | 213,404                 | 37,582     | 981     | 200             | 252,167    | 7,572               | 359,677                                  | 367,249    | 11 |
| 7         | 5,094                   | 1,474      | 665     | -               | 7,233      | 1,920               | 9,613                                    | 11,533     | 12 |
| 3,464     | 128,156                 | 14,342     | 185     | -               | 142,683    | 3,905               | 180,665                                  | 184,570    | 13 |
| 6,443     | 236,852                 | 25,297     | 533     | 728             | 263,410    | 74,833              | 281,610                                  | 356,443    | 14 |
| 113,499   | 3,897,161               | 430,289    | 77,850  | 50,999          | 4,456,299  | 2,623,089           | 4,328,318                                | 6,951,407  | 15 |
| 25,220    | 1,673,259               | 152,922    | 12,658  | 7,675           | 1,846,514  | 577,939             | 1,997,878                                | 2,575,817  | 16 |
| 1,698     | 23,466                  | 13,318     | 530     | 150             | 37,464     | -                   | 60,842                                   | 60,842     | 17 |
| 21,479    | 305,201                 | 50,856     | 5,346   | 4,350           | 365,753    | 192,981             | 358,148                                  | 551,129    | 18 |
| 31,397    | 1,830,836               | 203,868    | 59,316  | 28,221          | 2,122,241  | 1,852,169           | 1,665,530                                | 3,517,699  | 19 |
| 33,705    | 64,399                  | 9,325      | -       | 10,603          | 84,327     | -                   | 245,920                                  | 245,920    | 20 |
| 812       | 55,383                  | 6,739      | 54      | 20              | 62,196     | 5,407               | 88,085                                   | 93,492     | 21 |
| 2,062     | 105,776                 | 14,326     | 50      | 200             | 120,352    | -                   | 185,114                                  | 185,114    | 22 |
| 133       | 138,368                 | 2,750      | 5,721   | 300             | 147,139    | 180,967             | 61,202                                   | 242,169    | 23 |
| 1,294     | 62,514                  | 7,132      | 850     | -               | 70,496     | -                   | 122,696                                  | 122,696    | 24 |
| 74        | 16,768                  | 150        | 935     | -               | 17,853     | 6,650               | 16,199                                   | 22,849     | 25 |
| 2,988     | 151,085                 | 14,626     | 2,929   | 130             | 168,770    | 19,865              | 216,641                                  | 236,506    | 26 |
| 10,639    | 156,901                 | 18,544     | 4,016   | 827             | 180,288    | 140,046             | 121,570                                  | 261,616    | 27 |
| 954       | 32,696                  | 3,690      | 84      | -               | 36,470     | 3,896               | 48,057                                   | 51,953     | 28 |
| 333       | 3,318                   | 344        | 417     | 5               | 4,084      | -                   | 5,775                                    | 5,775      | 29 |
| 4,032     | 164,161                 | 15,869     | 1,448   | 4,100           | 185,578    | 17,760              | 237,905                                  | 255,665    | 30 |
| 2,639     | 117,287                 | 13,751     | 608     | -               | 131,646    | -                   | 180,585                                  | 180,585    | 31 |
| 24,738    | 542,342                 | 69,956     | 7,173   | 5,073           | 624,544    | 328,510             | 601,304                                  | 929,814    | 32 |
| 14,335    | 110,802                 | 8,745      | 3,070   | 1,366           | 123,983    | 130,960             | 103,341                                  | 234,301    | 33 |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (a) General Summary of Statistics—con.

|    | Province and County or District  | Establish-<br>ments | Capital          | Total of Employees<br>and of<br>Salaries and Wages |                | Proprietors<br>who<br>regularly<br>perform<br>manual labour<br>in establish-<br>ments |
|----|----------------------------------|---------------------|------------------|----------------------------------------------------|----------------|---------------------------------------------------------------------------------------|
|    |                                  |                     |                  | no.                                                | \$             |                                                                                       |
|    | <b>Nova Scotia—concluded</b>     | <b>no.</b>          | <b>\$</b>        | <b>no.</b>                                         | <b>\$</b>      | <b>no.</b>                                                                            |
| 1  | Halifax County—                  |                     |                  |                                                    |                |                                                                                       |
|    | Lobster canneries.....           | 7                   | 15,675           | 100                                                | 13,358         | 1                                                                                     |
| 2  | Fish curing establishments.....  | 5                   |                  |                                                    |                |                                                                                       |
|    | Reduction plants.....            | 2                   | 413,821          | 280                                                | 271,372        | 1                                                                                     |
|    | Lunenburg County—                |                     |                  |                                                    |                |                                                                                       |
| 3  | Lobster canneries.....           | 2                   | 179,853          | 72                                                 | 28,259         | -                                                                                     |
|    | Fish curing establishments.....  | 2                   |                  |                                                    |                |                                                                                       |
|    | Queens County—                   |                     |                  |                                                    |                |                                                                                       |
| 4  | Lobster canneries.....           | 1                   |                  |                                                    |                |                                                                                       |
|    | Clam canneries.....              | 2                   | 2,860            | 5                                                  | 580            | 6                                                                                     |
|    | Fish curing establishments.....  | 7                   |                  |                                                    |                |                                                                                       |
| 5  | Reduction plants.....            | 1                   | 33,460           | 19                                                 | 10,107         | 12                                                                                    |
|    | Shelburne County—                |                     |                  |                                                    |                |                                                                                       |
| 6  | Lobster canneries.....           | 11                  |                  |                                                    |                |                                                                                       |
|    | Other fish canneries.....        | 1                   | 102,291          | 197                                                | 30,415         | 1                                                                                     |
| 7  | Fish curing establishments.....  | 18                  | 414,619          | 129                                                | 59,818         | 3                                                                                     |
|    | Yarmouth County—                 |                     |                  |                                                    |                |                                                                                       |
| 8  | Lobster canneries.....           | 10                  | 37,634           | 205                                                | 28,115         | 1                                                                                     |
| 9  | Fish curing establishments.....  | 8                   | 128,130          | 87                                                 | 44,474         | -                                                                                     |
|    | Digby County—                    |                     |                  |                                                    |                |                                                                                       |
| 10 | Lobster canneries.....           | 5                   | 45,300           | 68                                                 | 17,068         | -                                                                                     |
|    | Clam canneries.....              | 2                   |                  |                                                    |                |                                                                                       |
| 11 | Other fish canneries.....        | 1                   | 25,700           | 48                                                 | 14,457         | -                                                                                     |
|    | Fish curing establishments.....  | 20                  |                  |                                                    |                |                                                                                       |
| 12 | Reduction plants.....            | 2                   | 266,659          | 131                                                | 79,027         | 3                                                                                     |
|    | Annapolis County—                |                     |                  |                                                    |                |                                                                                       |
| 13 | Clam canneries.....              | 2                   |                  |                                                    |                |                                                                                       |
|    | Reduction plants.....            | 1                   | 9,450            | 10                                                 | 2,444          | 1                                                                                     |
| 14 | <b>New Brunswick—Totals.....</b> | <b>172</b>          | <b>1,626,776</b> | <b>2,146</b>                                       | <b>336,983</b> | <b>55</b>                                                                             |
| 15 | Lobster canneries.....           | 124                 | 390,126          | 1,588                                              | 88,219         | 33                                                                                    |
|    | Clam canneries.....              | 7                   |                  |                                                    |                |                                                                                       |
| 16 | Sardine canneries.....           | 2                   | 1,074,078        | 406                                                | 204,943        | 4                                                                                     |
| 17 | Fish curing establishments.....  | 34                  | 145,472          | 145                                                | 40,615         | 16                                                                                    |
| 18 | Reduction plants.....            | 5                   | 17,100           | 7                                                  | 3,206          | 2                                                                                     |
|    | Charlotte County—                |                     |                  |                                                    |                |                                                                                       |
| 19 | Clam canneries.....              | 5                   |                  |                                                    |                |                                                                                       |
|    | Sardine canneries.....           | 2                   | 1,067,027        | 343                                                | 199,491        | 4                                                                                     |
| 20 | Fish curing establishments.....  | 22                  | 85,613           | 58                                                 | 15,228         | 11                                                                                    |
| 21 | Reduction plants.....            | 5                   | 17,100           | 7                                                  | 3,206          | 2                                                                                     |
|    | St. John County—                 |                     |                  |                                                    |                |                                                                                       |
| 22 | Fish curing establishments.....  | 6                   | 45,129           | 31                                                 | 23,334         | 2                                                                                     |
|    | Westmorland County—              |                     |                  |                                                    |                |                                                                                       |
| 23 | Lobster canneries.....           | 8                   |                  |                                                    |                |                                                                                       |
|    | Clam canneries.....              | 1                   | 82,774           | 193                                                | 24,913         | -                                                                                     |
| 24 | Fish curing establishments.....  | 6                   | 14,730           | 56                                                 | 2,053          | 3                                                                                     |
|    | Kent County—                     |                     |                  |                                                    |                |                                                                                       |
| 25 | Lobster canneries.....           | 19                  | 88,389           | 298                                                | 13,609         | 1                                                                                     |
|    | Northumberland County—           |                     |                  |                                                    |                |                                                                                       |
| 26 | Lobster canneries.....           | 17                  | 64,397           | 325                                                | 21,033         | 1                                                                                     |
|    | Gloucester County <sup>1</sup> — |                     |                  |                                                    |                |                                                                                       |
| 27 | Lobster canneries.....           | 80                  |                  |                                                    |                |                                                                                       |
|    | Clam canneries.....              | 1                   | 161,617          | 835                                                | 34,116         | 31                                                                                    |

<sup>1</sup> The statistics for Gloucester County include 2 lobster canneries in Restigouche County.



**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(a) General Summary of Statistics—con.**

| Fuel Used | Value of Materials Used |            |        |                 |           | Value of Products   |                                          |           |    |
|-----------|-------------------------|------------|--------|-----------------|-----------|---------------------|------------------------------------------|-----------|----|
|           | Fish                    | Containers | Salt   | Other Materials | Total     | Fish Marketed Fresh | Fish Canned, Cured or otherwise Prepared | Total     |    |
| \$        | \$                      | \$         | \$     | \$              | \$        | \$                  | \$                                       | \$        |    |
| 687       | 80,724                  | 6,025      | 702    | 225             | 87,676    | 26,545              | 108,844                                  | 135,389   | 1  |
| 27,867    | 687,960                 | 85,047     | 3,683  | 18,200          | 794,890   | 847,137             | 695,128                                  | 1,542,265 | 2  |
| 726       | 139,231                 | 16,693     | 2,217  | 297             | 158,438   | 84,994              | 137,595                                  | 222,589   | 3  |
| 35        | 7,536                   | 764        | 170    | —               | 8,470     | —                   | 14,036                                   | 14,036    | 4  |
| 760       | 76,611                  | 7,013      | 5,845  | 2,775           | 92,244    | 59,765              | 62,466                                   | 122,231   | 5  |
| 2,190     | 330,554                 | 15,874     | 1,327  | 1,301           | 349,056   | 217,542             | 209,690                                  | 427,232   | 6  |
| 5,889     | 172,665                 | 22,464     | 12,935 | 250             | 208,254   | 90,684              | 250,994                                  | 341,678   | 7  |
| 2,358     | 211,736                 | 17,233     | 460    | 177             | 229,606   | 70,081              | 231,795                                  | 301,876   | 8  |
| 1,166     | 205,983                 | 22,181     | 4,919  | 2,594           | 235,677   | 176,874             | 179,364                                  | 356,238   | 9  |
| 1,569     | 85,929                  | 14,762     | 1,466  | 390             | 102,547   | 52,378              | 90,273                                   | 142,651   | 10 |
| 1,599     | 26,431                  | 13,599     | 1,260  | 400             | 41,690    | 10,306              | 55,985                                   | 66,291    | 11 |
| 3,369     | 210,025                 | 30,724     | 15,511 | 12,219          | 268,479   | 152,722             | 293,225                                  | 445,947   | 12 |
| 251       | 4,435                   | 1,288      | —      | 150             | 5,873     | —                   | 10,449                                   | 10,449    | 13 |
| 42,676    | 869,488                 | 466,720    | 29,568 | 41,120          | 1,406,896 | 430,066             | 1,791,175                                | 2,221,241 | 14 |
| 14,153    | 535,873                 | 47,894     | 3,424  | 1,102           | 588,293   | 267,834             | 537,797                                  | 805,631   | 15 |
| 25,766    | 153,177                 | 400,893    | 12,928 | 37,110          | 604,108   | —                   | 1,076,669                                | 1,076,669 | 16 |
| 2,421     | 171,070                 | 17,933     | 13,216 | 1,708           | 203,927   | 162,232             | 160,496                                  | 322,728   | 17 |
| 336       | 9,368                   | —          | —      | 1,200           | 10,568    | —                   | 16,213                                   | 16,213    | 18 |
| 25,399    | 141,726                 | 394,670    | 12,914 | 36,436          | 585,746   | —                   | 1,048,998                                | 1,048,998 | 19 |
| 909       | 88,499                  | 6,355      | 6,886  | 1,200           | 102,940   | 68,562              | 94,596                                   | 163,158   | 20 |
| 336       | 9,368                   | —          | —      | 1,200           | 10,568    | —                   | 16,213                                   | 16,213    | 21 |
| 857       | 79,215                  | 10,107     | 5,634  | 478             | 95,434    | 93,670              | 56,520                                   | 150,190   | 22 |
| 1,931     | 202,963                 | 16,892     | 764    | 63              | 220,682   | 160,831             | 143,676                                  | 304,507   | 23 |
| 655       | 3,356                   | 1,471      | 696    | 30              | 5,553     | —                   | 9,380                                    | 9,380     | 24 |
| 3,118     | 98,894                  | 7,419      | 571    | 230             | 107,114   | 59,393              | 93,795                                   | 153,188   | 25 |
| 2,686     | 79,877                  | 6,811      | 1,255  | 368             | 88,311    | 31,960              | 86,755                                   | 118,715   | 26 |
| 6,785     | 165,590                 | 22,995     | 848    | 1,115           | 190,548   | 15,650              | 241,242                                  | 256,892   | 27 |

**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(a) General Summary of Statistics—con.**

| Province and County or District        | Establish-<br>ments | Capital           | Total of Employees<br>and of<br>Salaries and Wages |                  | Proprietors<br>who<br>regularly<br>perform<br>manual labour<br>in establish-<br>ments |
|----------------------------------------|---------------------|-------------------|----------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
|                                        | no.                 | \$                | no.                                                | \$               | no.                                                                                   |
| <b>1 Quebec—Totals.....</b>            | <b>90</b>           | <b>416,327</b>    | <b>1,228</b>                                       | <b>129,962</b>   | <b>60</b>                                                                             |
| 2 Lobster canneries.....               | 57                  | 99,725            | 702                                                | 44,326           | 49                                                                                    |
| 3 Salmon canneries.....                | 4                   | 14,637            | 35                                                 | 445              | 3                                                                                     |
| 4 Fish curing establishments.....      | 29                  | 301,965           | 491                                                | 85,191           | 8                                                                                     |
| Bonaventure County—                    |                     |                   |                                                    |                  |                                                                                       |
| 5 Lobster canneries.....               | 4 }                 |                   |                                                    |                  |                                                                                       |
| 6 Salmon canneries.....                | 1 }                 | 19,082            | 74                                                 | 2,289            | 1                                                                                     |
| 6 Fish curing establishments.....      | 3 }                 | 90,827            | 10                                                 | 2,543            | —                                                                                     |
| Gaspé County—                          |                     |                   |                                                    |                  |                                                                                       |
| 7 Lobster canneries.....               | 7                   | 27,490            | 136                                                | 4,012            | 2                                                                                     |
| 8 Fish curing establishments.....      | 15                  | 113,223           | 207                                                | 43,666           | 5                                                                                     |
| Magdalen Is ands—                      |                     |                   |                                                    |                  |                                                                                       |
| 9 Lobster canneries.....               | 15                  | 60,050            | 490                                                | 37,355           | 3                                                                                     |
| 10 Fish curing establishments.....     | 10                  | 77,915            | 224                                                | 31,982           | —                                                                                     |
| Saguenay County—                       |                     |                   |                                                    |                  |                                                                                       |
| 11 Lobster canneries.....              | 31                  | 7,335             | 32                                                 | 1,030            | 43                                                                                    |
| 12 Salmon canneries.....               | 3 }                 |                   |                                                    |                  |                                                                                       |
| 12 Fish curing establishments.....     | 1 }                 | 20,405            | 55                                                 | 7,085            | 6                                                                                     |
| <b>13 British Columbia—Totals.....</b> | <b>149</b>          | <b>18,854,350</b> | <b>8,246</b>                                       | <b>3,725,315</b> | <b>22</b>                                                                             |
| 14 Salmon canneries.....               | 77                  | 11,580,817        | 6,691                                              | 2,495,361        | —                                                                                     |
| 15 Fish curing establishments.....     | 50                  | 4,481,648         | 992                                                | 689,388          | 15                                                                                    |
| 16 Reduction plants.....               | 22                  | 2,791,885         | 563                                                | 540,566          | 7                                                                                     |
| District No. 1—                        |                     |                   |                                                    |                  |                                                                                       |
| 17 Salmon canneries.....               | 11                  | 1,283,138         | 649                                                | 252,850          | —                                                                                     |
| 18 Fish curing establishments.....     | 11                  | 1,550,995         | 207                                                | 236,473          | 1                                                                                     |
| District No. 2—                        |                     |                   |                                                    |                  |                                                                                       |
| 19 Salmon canneries.....               | 47                  | 6,759,688         | 4,541                                              | 1,429,184        | —                                                                                     |
| 20 Fish curing establishments.....     | 8 }                 |                   |                                                    |                  |                                                                                       |
| 20 Reduction plants.....               | 3 }                 | 3,647,953         | 431                                                | 426,832          | 1                                                                                     |
| District No. 3—                        |                     |                   |                                                    |                  |                                                                                       |
| 21 Salmon canneries.....               | 19                  | 3,537,991         | 1,501                                              | 813,327          | —                                                                                     |
| 22 Fish curing establishments.....     | 31                  | 536,156           | 550                                                | 206,225          | 13                                                                                    |
| 23 Reduction plants.....               | 19                  | 1,538,429         | 367                                                | 360,424          | 7                                                                                     |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (a) General Summary of Statistics—concluded

| Fuel Used | Value of Materials Used |            |           |                 |            | Value of Products   |                                          |            |    |
|-----------|-------------------------|------------|-----------|-----------------|------------|---------------------|------------------------------------------|------------|----|
|           | Fish                    | Containers | Salt      | Other Materials | Total      | Fish Marketed Fresh | Fish Canned, Cured or otherwise Prepared | Total      |    |
| \$ 12,548 | \$ 392,437              | \$ 55,706  | \$ 18,362 | \$ 292          | \$ 466,797 | \$ 24,785           | \$ 705,587                               | \$ 730,372 | 1  |
| 6,842     | 192,928                 | 26,947     | 322       | 22              | 220,219    | 1,548               | 351,971                                  | 353,519    | 2  |
| 855       | 17,123                  | 1,180      | —         | —               | 18,303     | 21,173              | 5,659                                    | 26,832     | 3  |
| 4,851     | 182,386                 | 27,579     | 18,040    | 270             | 228,275    | 2,064               | 347,957                                  | 350,021    | 4  |
| 1,282     | 27,181                  | 1,885      | 15        | 20              | 29,101     | 22,673              | 18,443                                   | 41,116     | 5  |
| 560       | 4,808                   | 198        | 226       | —               | 5,232      | 1,840               | 6,675                                    | 8,515      | 6  |
| 756       | 10,451                  | 1,218      | —         | 2               | 11,671     | 48                  | 24,073                                   | 24,121     | 7  |
| 461       | 86,774                  | 3,062      | 7,266     | 225             | 97,327     | 224                 | 156,228                                  | 156,452    | 8  |
| 5,033     | 164,504                 | 22,485     | 307       | —               | 187,296    | —                   | 300,087                                  | 300,087    | 9  |
| 3,698     | 78,804                  | 24,319     | 10,448    | 45              | 113,616    | —                   | 165,054                                  | 165,054    | 10 |
| 541       | 7,355                   | 2,089      | —         | —               | 9,444      | —                   | 13,854                                   | 13,854     | 11 |
| 217       | 12,560                  | 450        | 100       | —               | 13,110     | —                   | 21,173                                   | 21,173     | 12 |
| 278,364   | 8,636,929               | 2,259,522  | 231,912   | 240,998         | 11,369,361 | 3,957,320           | 16,304,474                               | 20,261,794 | 13 |
| 159,618   | 4,646,796               | 1,995,623  | 43,417    | 193,869         | 6,879,705  | 263,279             | 13,037,023                               | 13,300,302 | 14 |
| 35,803    | 3,634,862               | 235,935    | 179,320   | 40,916          | 4,091,033  | 3,694,041           | 1,642,971                                | 5,337,012  | 15 |
| 82,943    | 355,271                 | 27,964     | 9,175     | 6,213           | 398,623    | —                   | 1,624,480                                | 1,624,480  | 16 |
| 16,067    | 943,224                 | 374,871    | 3,440     | 89,136          | 1,410,671  | 10,540              | 2,144,404                                | 2,159,609  | 17 |
| 11,499    | 1,133,693               | 28,654     | 4,862     | 32,359          | 1,199,568  | 1,276,149           | 246,284                                  | 1,522,438  | 18 |
| 78,818    | 2,406,946               | 962,330    | 14,171    | 61,453          | 3,444,900  | 112,620             | 6,748,539                                | 6,861,159  | 19 |
| 41,459    | 2,013,479               | 68,474     | 10,834    | —               | 2,092,787  | 2,396,133           | 554,300                                  | 2,950,433  | 20 |
| 64,733    | 1,296,626               | 658,422    | 25,806    | 43,280          | 2,024,134  | 140,119             | 4,139,415                                | 4,279,534  | 21 |
| 4,575     | 493,690                 | 140,679    | 163,624   | 8,557           | 806,550    | 21,759              | 1,184,631                                | 1,206,390  | 22 |
| 61,213    | 349,271                 | 26,092     | 9,175     | 6,213           | 390,751    | —                   | 1,282,231                                | 1,282,231  | 23 |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (b) Capital Invested

| Province and County or District         | Estab-<br>lishments | Land,<br>Buildings<br>and<br>Machinery | Materials,<br>Products,<br>Fuel and<br>Miscellaneous<br>Supplies<br>on hand | Cash and<br>Operating<br>Accounts | Total<br>Capital<br>Invested |
|-----------------------------------------|---------------------|----------------------------------------|-----------------------------------------------------------------------------|-----------------------------------|------------------------------|
|                                         | no.                 | \$                                     | \$                                                                          | \$                                | \$                           |
| <b>Canada—Totals.....</b>               | <b>773</b>          | <b>15,125,513</b>                      | <b>5,758,002</b>                                                            | <b>3,570,967</b>                  | <b>24,454,482</b>            |
| Lobster canneries.....                  | 438                 | 1,013,111                              | 160,027                                                                     | 246,466                           | 1,419,604                    |
| Salmon canneries.....                   | 81                  | 6,909,167                              | 3,510,920                                                                   | 1,175,367                         | 11,595,454                   |
| Clam canneries.....                     | 15                  | 69,161                                 | 19,079                                                                      | 11,177                            | 99,417                       |
| Sardine and other fish canneries.....   | 6                   | 975,524                                | 299,688                                                                     | 90,462                            | 1,365,674                    |
| Fish curing establishments.....         | 199                 | 3,477,450                              | 1,584,597                                                                   | 1,947,936                         | 7,009,983                    |
| Reduction plants.....                   | 34                  | 2,681,100                              | 183,691                                                                     | 99,559                            | 2,964,350                    |
| <b>Prince Edward Island—Totals.....</b> | <b>137</b>          | <b>236,550</b>                         | <b>11,400</b>                                                               | <b>2,690</b>                      | <b>250,640</b>               |
| Lobster canneries.....                  | 133                 | 225,050                                | 11,400                                                                      | 2,690                             | 239,140                      |
| Clam canneries.....                     | 2                   |                                        |                                                                             |                                   |                              |
| Other fish canneries.....               | 1                   | 11,500                                 | —                                                                           | —                                 | 11,500                       |
| Fish curing establishments.....         | 1                   |                                        |                                                                             |                                   |                              |
| Kings County—                           |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 43                  | 104,700                                | —                                                                           | 2,090                             | 106,790                      |
| Clam canneries.....                     | 2                   |                                        |                                                                             |                                   |                              |
| Fish curing establishments.....         | 1                   | 11,300                                 | —                                                                           | —                                 | 11,300                       |
| Queens County—                          |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 39                  | 46,050                                 | 4,800                                                                       | —                                 | 50,850                       |
| Prince County—                          |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 51                  |                                        |                                                                             |                                   |                              |
| Other fish canneries.....               | 1                   | 74,500                                 | 6,600                                                                       | 600                               | 81,700                       |
| <b>Nova Scotia—Totals.....</b>          | <b>225</b>          | <b>2,083,507</b>                       | <b>713,043</b>                                                              | <b>509,839</b>                    | <b>3,306,389</b>             |
| Lobster canneries.....                  | 124                 | 427,907                                | 123,591                                                                     | 139,115                           | 690,613                      |
| Clam canneries.....                     | 6                   | 23,875                                 | 6,385                                                                       | 950                               | 31,210                       |
| Other fish canneries.....               | 3                   | 216,072                                | 110,620                                                                     | 31,611                            | 358,303                      |
| Fish curing establishments.....         | 85                  | 1,279,321                              | 464,778                                                                     | 326,799                           | 2,070,898                    |
| Reduction plants.....                   | 7                   | 136,332                                | 7,669                                                                       | 11,364                            | 155,365                      |
| Richmond County—                        |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 6                   |                                        |                                                                             |                                   |                              |
| Fish curing establishments.....         | 2                   | 12,550                                 | 800                                                                         | 520                               | 13,870                       |
| Cape Breton County—                     |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 10                  | 32,800                                 | 2,987                                                                       | 1,225                             | 37,012                       |
| Fish curing establishments.....         | 8                   | 43,008                                 | 34,022                                                                      | 17,233                            | 94,263                       |
| Victoria County—                        |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 11                  | 22,700                                 | 4,175                                                                       | 5,175                             | 32,050                       |
| Fish curing establishments.....         | 3                   | 23,579                                 | 1,921                                                                       | 4,644                             | 30,144                       |
| Inverness County—                       |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 19                  | 77,900                                 | 19,510                                                                      | 38,878                            | 136,288                      |
| Fish curing establishments.....         | 4                   | 386,404                                | 99,447                                                                      | 22,239                            | 508,140                      |
| Cumberland County—                      |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 10                  | 21,720                                 | —                                                                           | —                                 | 21,720                       |
| Fish curing establishments.....         | 4                   | 15,000                                 | 1,950                                                                       | 2,250                             | 19,200                       |
| Pictou County <sup>1</sup> —            |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 12                  | 57,872                                 | 16,703                                                                      | 14,607                            | 89,182                       |
| Antigonish County—                      |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 10                  | 19,351                                 | 7,385                                                                       | 3,104                             | 29,840                       |
| Guysborough County—                     |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 10                  |                                        |                                                                             |                                   |                              |
| Other fish canneries.....               | 1                   | 283,702                                | 120,134                                                                     | 76,878                            | 480,714                      |
| Fish curing establishments.....         | 4                   |                                        |                                                                             |                                   |                              |
| Reduction plants.....                   | 1                   | 97,520                                 | 26,597                                                                      | 14,397                            | 138,514                      |
| Halifax County—                         |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 7                   | 10,960                                 | 3,405                                                                       | 1,310                             | 15,675                       |
| Fish curing establishments.....         | 5                   |                                        |                                                                             |                                   |                              |
| Reduction plants.....                   | 2                   | 190,935                                | 100,719                                                                     | 122,167                           | 413,821                      |
| Lunenburg County—                       |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 2                   |                                        |                                                                             |                                   |                              |
| Fish curing establishments.....         | 2                   | 124,339                                | 28,412                                                                      | 27,102                            | 179,853                      |
| Queens County—                          |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 1                   |                                        |                                                                             |                                   |                              |
| Clam canneries.....                     | 2                   | 2,575                                  | 85                                                                          | 200                               | 2,860                        |
| Fish curing establishments.....         | 7                   |                                        |                                                                             |                                   |                              |
| Reduction plants.....                   | 1                   | 22,700                                 | 3,760                                                                       | 7,000                             | 33,460                       |
| Shelburne County—                       |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 11                  |                                        |                                                                             |                                   |                              |
| Other fish canneries.....               | 1                   | 56,834                                 | 38,720                                                                      | 6,737                             | 102,291                      |
| Fish curing establishments.....         | 18                  | 305,760                                | 78,183                                                                      | 30,676                            | 414,619                      |
| Yarmouth County—                        |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....                  | 10                  | 25,650                                 | 2,192                                                                       | 9,792                             | 37,634                       |
| Fish curing establishments.....         | 8                   | 49,108                                 | 34,301                                                                      | 44,721                            | 128,130                      |

<sup>1</sup> The statistics for Pictou County include 1 lobster cannery in Colchester County.

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (b) Capital Invested—concluded

| Province and County or District     | Estab-<br>lishments | Land,<br>Buildings<br>and<br>Machinery | Materials,<br>Products,<br>Fuel and<br>Miscellaneous<br>Supplies<br>on hand | Cash and<br>Operating<br>Accounts | Total<br>Capital<br>Invested |
|-------------------------------------|---------------------|----------------------------------------|-----------------------------------------------------------------------------|-----------------------------------|------------------------------|
|                                     | no.                 | \$                                     | \$                                                                          | \$                                | \$                           |
| <b>Nova Scotia—concluded</b>        |                     |                                        |                                                                             |                                   |                              |
| Digby County—                       |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 5                   | 16,400                                 | 16,400                                                                      | 12,500                            | 45,300                       |
| Clam canneries.....                 | 2                   |                                        |                                                                             |                                   |                              |
| Other fish canneries.....           | 1                   | 22,000                                 | 3,700                                                                       | —                                 | 25,700                       |
| Fish curing establishments.....     | 20                  |                                        |                                                                             |                                   |                              |
| Reduction plants.....               | 2                   | 157,840                                | 63,135                                                                      | 45,684                            | 266,659                      |
| Annapolis County—                   |                     |                                        |                                                                             |                                   |                              |
| Clam canneries.....                 | 2                   |                                        |                                                                             |                                   |                              |
| Reduction plants.....               | 1                   | 4,300                                  | 4,400                                                                       | 750                               | 9,450                        |
| <b>New Brunswick—Totals.....</b>    | <b>172</b>          | <b>1,180,706</b>                       | <b>244,228</b>                                                              | <b>201,842</b>                    | <b>1,626,776</b>             |
| Lobster canneries.....              | 124                 | 269,544                                | 17,271                                                                      | 103,311                           | 390,126                      |
| Clam canneries.....                 | 7                   |                                        |                                                                             |                                   |                              |
| Sardine canneries.....              | 2                   | 803,238                                | 201,762                                                                     | 69,078                            | 1,074,078                    |
| Fish curing establishments.....     | 34                  | 90,824                                 | 25,195                                                                      | 29,453                            | 145,472                      |
| Reduction plants.....               | 5                   | 17,100                                 | —                                                                           | —                                 | 17,100                       |
| Charlotte County—                   |                     |                                        |                                                                             |                                   |                              |
| Clam canneries.....                 | 5                   |                                        |                                                                             |                                   |                              |
| Sardine canneries.....              | 2                   | 797,269                                | 200,680                                                                     | 69,078                            | 1,067,027                    |
| Fish curing establishments.....     | 22                  | 54,900                                 | 11,255                                                                      | 19,453                            | 85,613                       |
| Reduction plants.....               | 5                   | 17,100                                 | —                                                                           | —                                 | 17,100                       |
| St. John County—                    |                     |                                        |                                                                             |                                   |                              |
| Fish curing establishments.....     | 6                   | 26,924                                 | 10,740                                                                      | 7,465                             | 45,129                       |
| Westmorland County—                 |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 8                   |                                        |                                                                             |                                   |                              |
| Clam canneries.....                 | 1                   | 57,500                                 | 3,553                                                                       | 21,721                            | 82,774                       |
| Fish curing establishments.....     | 6                   | 9,000                                  | 3,200                                                                       | 2,530                             | 14,730                       |
| Kent County—                        |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 19                  | 44,200                                 | 3,189                                                                       | 41,000                            | 88,389                       |
| Northumberland County—              |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 17                  | 53,973                                 | 5,324                                                                       | 5,100                             | 64,397                       |
| Gloucester County <sup>1</sup> —    |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 80                  |                                        |                                                                             |                                   |                              |
| Clam canneries.....                 | 1                   | 119,840                                | 6,287                                                                       | 35,490                            | 161,617                      |
| <b>Quebec—Totals.....</b>           | <b>90</b>           | <b>322,403</b>                         | <b>48,866</b>                                                               | <b>45,055</b>                     | <b>416,327</b>               |
| Lobster canneries.....              | 57                  | 90,610                                 | 7,765                                                                       | 1,350                             | 99,725                       |
| Salmon canneries.....               | 4                   | 6,730                                  | 3,128                                                                       | 4,779                             | 14,637                       |
| Fish curing establishments.....     | 29                  | 225,063                                | 37,973                                                                      | 38,929                            | 301,965                      |
| Bonaventure County—                 |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 4                   |                                        |                                                                             |                                   |                              |
| Salmon canneries.....               | 1                   | 10,625                                 | 3,628                                                                       | 4,829                             | 19,082                       |
| Fish curing establishments.....     | 3                   | 58,270                                 | 28,930                                                                      | 3,627                             | 90,827                       |
| Gaspé County—                       |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 7                   | 19,100                                 | 7,090                                                                       | 1,300                             | 27,490                       |
| Fish curing establishments.....     | 15                  | 69,043                                 | 8,878                                                                       | 35,302                            | 113,223                      |
| Magdalen Islands—                   |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 15                  | 59,900                                 | 150                                                                         | —                                 | 60,050                       |
| Fish curing establishments.....     | 10                  | 77,750                                 | 165                                                                         | —                                 | 77,915                       |
| Saguenay County—                    |                     |                                        |                                                                             |                                   |                              |
| Lobster canneries.....              | 31                  | 7,310                                  | 25                                                                          | —                                 | 7,335                        |
| Salmon canneries.....               | 3                   |                                        |                                                                             |                                   |                              |
| Fish curing establishments.....     | 1                   | 20,405                                 | —                                                                           | —                                 | 20,405                       |
| <b>British Columbia—Totals.....</b> | <b>149</b>          | <b>11,302,347</b>                      | <b>4,740,465</b>                                                            | <b>2,811,538</b>                  | <b>18,854,350</b>            |
| Salmon canneries.....               | 77                  | 6,902,437                              | 3,507,792                                                                   | 1,170,588                         | 11,580,817                   |
| Fish curing establishments.....     | 50                  | 1,872,242                              | 1,056,651                                                                   | 1,552,755                         | 4,481,648                    |
| Reduction plants.....               | 23                  | 2,527,668                              | 176,022                                                                     | 88,195                            | 2,791,885                    |
| District No. 1—                     |                     |                                        |                                                                             |                                   |                              |
| Salmon canneries.....               | 11                  | 895,160                                | 292,241                                                                     | 95,737                            | 1,283,138                    |
| Fish curing establishments.....     | 11                  | 284,309                                | 273,861                                                                     | 992,825                           | 1,550,995                    |
| District No. 2—                     |                     |                                        |                                                                             |                                   |                              |
| Salmon canneries.....               | 47                  | 4,064,914                              | 1,986,559                                                                   | 708,215                           | 6,759,688                    |
| Fish curing establishments.....     | 8                   |                                        |                                                                             |                                   |                              |
| Reduction plants.....               | 3                   | 2,455,402                              | 693,325                                                                     | 499,226                           | 3,647,953                    |
| District No. 3—                     |                     |                                        |                                                                             |                                   |                              |
| Salmon canneries.....               | 19                  | 1,942,363                              | 1,228,992                                                                   | 366,636                           | 3,537,991                    |
| Fish curing establishments.....     | 31                  | 306,543                                | 145,452                                                                     | 84,161                            | 536,156                      |
| Reduction plants.....               | 19                  | 1,353,656                              | 120,035                                                                     | 64,738                            | 1,538,429                    |

<sup>1</sup> The statistics for Gloucester County include 2 lobster canneries in Restigouche County.

**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(c) Employees and Salaries and Wages**

|    |                                         | Establish-<br>ments | Employees on Salaries |           |                |
|----|-----------------------------------------|---------------------|-----------------------|-----------|----------------|
|    |                                         |                     | Male                  | Female    | Total Salaries |
|    |                                         | no.                 | no.                   | no.       | \$             |
| 1  | <b>Canada—Totals.....</b>               | <b>773</b>          | <b>582</b>            | <b>57</b> | <b>871,311</b> |
| 2  | Lobster canneries.....                  | 438                 | 97                    | 8         | 55,443         |
| 3  | Salmon canneries.....                   | 81                  | 237                   | 4         | 338,856        |
| 4  | Clam canneries.....                     | 15                  | 4                     | —         | 2,833          |
| 5  | Sardine and other fish canneries.....   | 6                   | 14                    | 4         | 53,966         |
| 6  | Fish curing establishments.....         | 199                 | 177                   | 31        | 317,798        |
| 7  | Reduction plants.....                   | 34                  | 53                    | 10        | 102,315        |
| 8  | <b>Prince Edward Island—Totals.....</b> | <b>137</b>          | <b>19</b>             | <b>—</b>  | <b>5,240</b>   |
| 9  | Lobster canneries.....                  | 133                 | 19                    | —         | 5,240          |
| 10 | Clam canneries.....                     | 2                   | —                     | —         | —              |
|    | Other fish canneries.....               | 1                   | —                     | —         | —              |
|    | Fish curing establishments.....         | 1                   | —                     | —         | —              |
| 11 | <b>Nova Scotia—Totals.....</b>          | <b>225</b>          | <b>126</b>            | <b>28</b> | <b>186,895</b> |
| 12 | Lobster canneries.....                  | 124                 | 50                    | 5         | 41,035         |
| 13 | Clam canneries.....                     | 6                   | 2                     | —         | 1,140          |
| 14 | Other fish canneries.....               | 3                   | 4                     | 4         | 13,500         |
| 15 | Fish curing establishments.....         | 85                  | 66                    | 18        | 124,988        |
| 16 | Reduction plants.....                   | 7                   | 4                     | 1         | 6,232          |
| 17 | <b>New Brunswick—Totals.....</b>        | <b>172</b>          | <b>40</b>             | <b>6</b>  | <b>60,647</b>  |
| 18 | Lobster canneries.....                  | 124                 | 25                    | 3         | 8,758          |
| 19 | Clam canneries.....                     | 7                   | —                     | —         | —              |
| 20 | Sardine canneries.....                  | 2                   | 12                    | —         | 42,159         |
| 21 | Fish curing establishments.....         | 34                  | 3                     | 3         | 9,730          |
|    | Reduction plants.....                   | 5                   | —                     | —         | —              |
| 22 | <b>Quebec—Totals.....</b>               | <b>90</b>           | <b>27</b>             | <b>1</b>  | <b>17,615</b>  |
| 23 | Lobster canneries.....                  | 57                  | 3                     | —         | 410            |
| 24 | Salmon canneries.....                   | 4                   | —                     | —         | —              |
| 25 | Fish curing establishments.....         | 29                  | 24                    | 1         | 17,205         |
| 26 | <b>British Columbia—Totals.....</b>     | <b>149</b>          | <b>370</b>            | <b>22</b> | <b>600,814</b> |
| 27 | Salmon canneries.....                   | 77                  | 237                   | 4         | 338,856        |
| 28 | Fish curing establishments.....         | 50                  | 84                    | 9         | 165,875        |
| 29 | Reduction plants.....                   | 22                  | 49                    | 9         | 96,083         |

**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(c) Employees and Salaries and Wages—concluded**

| Employees on Wages |        |             | Contract Labour and Piece Workers |        |             |    |
|--------------------|--------|-------------|-----------------------------------|--------|-------------|----|
| Male               | Female | Total Wages | Male                              | Female | Total Wages |    |
| no.                | no.    | \$          | no.                               | no.    | \$          |    |
| 7,257              | 4,086  | 3,769,791   | 2,491                             | 2,224  | 732,949     | 1  |
| 2,673              | 3,370  | 478,843     | 20                                | 12     | 2,850       | 2  |
| 1,864              | 465    | 1,552,437   | 2,187                             | 1,969  | 604,513     | 3  |
| 75                 | 59     | 25,225      | 21                                | 68     | 9,666       | 4  |
| 268                | 18     | 212,713     | 11                                | 131    | 56,556      | 5  |
| 1,830              | 169    | 1,011,022   | 250                               | 44     | 58,645      | 6  |
| 547                | 5      | 489,551     | 2                                 | -      | 719         | 7  |
| 714                | 716    | 97,347      | -                                 | 12     | 300         | 8  |
| 702                | 711    | 95,623      | -                                 | 12     | 300         | 9  |
| 12                 | 5      | 1,724       | -                                 | -      | -           | 10 |
| 2,180              | 1,262  | 888,724     | 13                                | 7      | 3,185       | 11 |
| 1,211              | 1,180  | 262,393     | -                                 | -      | -           | 12 |
| 18                 | 31     | 12,177      | -                                 | -      | -           | 13 |
| 180                | 13     | 128,297     | -                                 | 4      | 206         | 14 |
| 729                | 38     | 443,276     | 13                                | 3      | 2,979       | 15 |
| 42                 | -      | 42,591      | -                                 | -      | -           | 16 |
| 721                | 1,110  | 206,674     | 67                                | 202    | 69,662      | 17 |
| 484                | 1,056  | 76,911      | 20                                | -      | 2,550       | 18 |
| 139                | 28     | 96,768      | 32                                | 195    | 66,016      | 19 |
| 91                 | 26     | 29,789      | 15                                | 7      | 1,096       | 20 |
| 7                  | -      | 3,206       | -                                 | -      | -           | 21 |
| 619                | 496    | 109,762     | 79                                | 6      | 2,585       | 22 |
| 276                | 423    | 43,916      | -                                 | -      | -           | 23 |
| 33                 | 2      | 445         | -                                 | -      | -           | 24 |
| 310                | 71     | 65,401      | 79                                | 6      | 2,585       | 25 |
| 3,023              | 502    | 2,467,284   | 2,332                             | 1,997  | 657,217     | 26 |
| 1,831              | 463    | 1,551,992   | 2,187                             | 1,969  | 604,513     | 27 |
| 694                | 34     | 471,528     | 143                               | 28     | 51,985      | 28 |
| 498                | 5      | 443,764     | 2                                 | -      | 719         | 29 |

**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(d) Number of Wage-earners by Months**

|           | Province                                | Estab-<br>lish-<br>ments | January      |             | February     |             | March        |             | April        |             |
|-----------|-----------------------------------------|--------------------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
|           |                                         |                          | Male         | Fe-<br>male | Male         | Fe-<br>male | Male         | Fe-<br>male | Male         | Fe-<br>male |
|           |                                         | no.                      | no.          | no.         | no.          | no.         | no.          | no.         | no.          | no.         |
| <b>1</b>  | <b>Canada—Totals.....</b>               | <b>773</b>               | <b>1,636</b> | <b>112</b>  | <b>1,528</b> | <b>97</b>   | <b>2,109</b> | <b>314</b>  | <b>4,058</b> | <b>831</b>  |
| 2         | Lobster canneries.....                  | 435                      | 35           | 1           | 37           | 1           | 224          | 199         | 1,369        | 655         |
| 3         | Salmon canneries.....                   | 81                       | 166          | 42          | 266          | 39          | 316          | 60          | 1,497        | 99          |
| 4         | Clam canneries.....                     | 15                       | 43           | 20          | 31           | 16          | 33           | 22          | 54           | 62          |
| 5         | Sardine and other fish canneries.....   | 6                        | 261          | 18          | 204          | 16          | 248          | 16          | 178          | 4           |
| 6         | Fish curing establishments.....         | 199                      | 1,080        | 31          | 910          | 25          | 679          | 17          | 722          | 11          |
| 7         | Reduction plants.....                   | 34                       | 71           | —           | 80           | —           | 109          | —           | 238          | —           |
| <b>8</b>  | <b>Prince Edward Island—Totals.....</b> | <b>137</b>               | <b>—</b>     | <b>—</b>    | <b>—</b>     | <b>—</b>    | <b>—</b>     | <b>—</b>    | <b>310</b>   | <b>59</b>   |
| 9         | Lobster canneries.....                  | 133                      | —            | —           | —            | —           | —            | —           | 310          | 59          |
| 10        | Clam canneries.....                     | 2                        | —            | —           | —            | —           | —            | —           | —            | —           |
|           | Other fish canneries.....               | 1                        | —            | —           | —            | —           | —            | —           | —            | —           |
|           | Fish curing establishments.....         | 1                        | —            | —           | —            | —           | —            | —           | —            | —           |
| <b>11</b> | <b>Nova Scotia—Totals.....</b>          | <b>225</b>               | <b>862</b>   | <b>41</b>   | <b>729</b>   | <b>31</b>   | <b>943</b>   | <b>242</b>  | <b>1,314</b> | <b>525</b>  |
| 12        | Lobster canneries.....                  | 124                      | 33           | 1           | 35           | 1           | 212          | 199         | 657          | 476         |
| 13        | Clam canneries.....                     | 6                        | 11           | 10          | 5            | 3           | 10           | 16          | 15           | 39          |
| 14        | Other fish canneries.....               | 3                        | 246          | 18          | 188          | 16          | 223          | 16          | 134          | 4           |
| 15        | Fish curing establishments.....         | 85                       | 537          | 15          | 465          | 11          | 461          | 11          | 470          | 6           |
| 16        | Reduction plants.....                   | 7                        | 35           | —           | 36           | —           | 37           | —           | 38           | —           |
| <b>17</b> | <b>New Brunswick—Totals.....</b>        | <b>172</b>               | <b>70</b>    | <b>10</b>   | <b>61</b>    | <b>13</b>   | <b>69</b>    | <b>6</b>    | <b>461</b>   | <b>143</b>  |
| 18        | Lobster canneries.....                  | 124                      | 2            | —           | 2            | —           | 2            | —           | 348          | 120         |
|           | Clam canneries.....                     | 7                        | —            | —           | —            | —           | —            | —           | —            | —           |
| 19        | Sardine canneries.....                  | 2                        | 47           | 10          | 42           | 13          | 48           | 6           | 83           | 23          |
| 20        | Fish curing establishments.....         | 34                       | 21           | —           | 17           | —           | 19           | —           | 30           | —           |
| 21        | Reduction plants.....                   | 5                        | —            | —           | —            | —           | —            | —           | —            | —           |
| <b>22</b> | <b>Quebec—Totals.....</b>               | <b>90</b>                | <b>5</b>     | <b>—</b>    | <b>3</b>     | <b>—</b>    | <b>20</b>    | <b>—</b>    | <b>91</b>    | <b>—</b>    |
| 23        | Lobster canneries.....                  | 57                       | —            | —           | —            | —           | 10           | —           | 54           | —           |
| 24        | Salmon canneries.....                   | 4                        | —            | —           | —            | —           | —            | —           | —            | —           |
| 25        | Fish curing establishments.....         | 29                       | 5            | —           | 3            | —           | 10           | —           | 37           | —           |
| <b>26</b> | <b>British Columbia—Totals.....</b>     | <b>149</b>               | <b>719</b>   | <b>58</b>   | <b>735</b>   | <b>53</b>   | <b>1,077</b> | <b>66</b>   | <b>1,882</b> | <b>104</b>  |
| 27        | Salmon canneries.....                   | 77                       | 166          | 42          | 266          | 39          | 816          | 60          | 1,497        | 99          |
| 28        | Fish curing establishments.....         | 50                       | 517          | 16          | 425          | 14          | 189          | 6           | 185          | 5           |
| 29        | Reduction plants.....                   | 22                       | 36           | —           | 44           | —           | 72           | —           | 200          | —           |



**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(d) Number of Wage-earners by Months—concluded**

| May   |        | June  |        | July  |        | August |        | September |        | October |        | November |        | December |        |    |
|-------|--------|-------|--------|-------|--------|--------|--------|-----------|--------|---------|--------|----------|--------|----------|--------|----|
| Male  | Female | Male  | Female | Male  | Female | Male   | Female | Male      | Female | Male    | Female | Male     | Female | Male     | Female |    |
| no.   | no.    | no.   | no.    | no.   | no.    | no.    | no.    | no.       | no.    | no.     | no.    | no.      | no.    | no.      | no.    |    |
| 6,109 | 3,545  | 6,812 | 3,533  | 4,893 | 1,036  | 4,441  | 676    | 3,885     | 573    | 3,512   | 449    | 2,722    | 186    | 2,163    | 162    | 1  |
| 2,660 | 3,302  | 2,520 | 3,120  | 623   | 517    | 236    | 225    | 217       | 206    | 199     | 164    | 99       | 26     | 68       | 3      | 2  |
| 1,803 | 117    | 2,139 | 299    | 1,965 | 378    | 1,923  | 320    | 1,491     | 216    | 1,047   | 117    | 451      | 60     | 272      | 79     | 3  |
| 35    | 43     | 66    | 45     | 62    | 38     | 54     | 32     | 45        | 36     | 28      | 43     | 14       | 23     | 13       | 18     | 4  |
| 242   | 9      | 247   | 10     | 310   | 13     | 343    | 16     | 275       | 12     | 297     | 10     | 311      | 19     | 218      | 17     | 5  |
| 982   | 72     | 1,308 | 57     | 1,359 | 85     | 1,303  | 78     | 1,287     | 98     | 1,495   | 101    | 1,615    | 58     | 1,400    | 45     | 6  |
| 387   | 2      | 532   | 4      | 574   | 5      | 582    | 5      | 574       | 5      | 446     | 5      | 232      | —      | 192      | —      | 7  |
| 747   | 732    | 732   | 736    | 26    | 5      | 42     | 24     | 40        | 25     | 32      | 26     | 6        | —      | —        | —      | 8  |
| 747   | 732    | 729   | 730    | 18    | 3      | 30     | 19     | 26        | 20     | 20      | 14     | —        | —      | —        | —      | 9  |
| —     | —      | 3     | —      | 8     | 2      | 12     | 5      | 14        | 5      | 12      | 6      | 6        | —      | —        | —      | 10 |
| 1,923 | 1,215  | 2,019 | 1,102  | 1,377 | 294    | 1,136  | 80     | 955       | 91     | 998     | 96     | 1,065    | 75     | 1,040    | 58     | 11 |
| 1,267 | 1,169  | 1,138 | 1,045  | 393   | 233    | 122    | 19     | 117       | 16     | 120     | 15     | 94       | 8      | 65       | 1      | 12 |
| 15    | 32     | 31    | 33     | 27    | 26     | 22     | 24     | 13        | 24     | 11      | 31     | 5        | 17     | 4        | 13     | 13 |
| 111   | 9      | 115   | 10     | 173   | 13     | 208    | 16     | 144       | 12     | 175     | 10     | 193      | 14     | 193      | 17     | 14 |
| 491   | 5      | 693   | 14     | 747   | 22     | 748    | 27     | 646       | 39     | 652     | 40     | 735      | 36     | 737      | 27     | 15 |
| 35    | —      | 42    | —      | 37    | —      | 38     | —      | 39        | —      | 40      | —      | 35       | —      | 41       | —      | 16 |
| 606   | 976    | 634   | 926    | 283   | 49     | 320    | 195    | 307       | 184    | 244     | 145    | 157      | 27     | 58       | 7      | 17 |
| 387   | 945    | 389   | 902    | 39    | 30     | 83     | 180    | 72        | 170    | 56      | 135    | 3        | 16     | 3        | 2      | 18 |
| 151   | 11     | 167   | 12     | 170   | 10     | 163    | 3      | 157       | 7      | 133     | 6      | 127      | 11     | 34       | 5      | 19 |
| 68    | 20     | 72    | 6      | 67    | 3      | 73     | 6      | 66        | 7      | 45      | 4      | 24       | —      | 21       | —      | 20 |
| —     | —      | 6     | —      | 7     | —      | 7      | —      | 7         | —      | 7       | —      | 3        | —      | —        | —      | 21 |
| 470   | 493    | 645   | 470    | 529   | 290    | 282    | 35     | 253       | 34     | 159     | 30     | 95       | 2      | 10       | —      | 22 |
| 250   | 456    | 264   | 443    | 173   | 245    | 1      | 1      | —         | —      | —       | —      | 2        | 2      | —        | —      | 23 |
| —     | —      | 32    | 1      | 3     | 2      | —      | —      | —         | —      | —       | —      | —        | —      | —        | —      | 24 |
| 211   | 37     | 353   | 26     | 353   | 49     | 281    | 34     | 253       | 34     | 159     | 30     | 93       | —      | 10       | —      | 25 |
| 2,363 | 129    | 2,775 | 313    | 2,678 | 392    | 2,655  | 334    | 2,339     | 239    | 2,079   | 149    | 1,399    | 82     | 1,055    | 97     | 26 |
| 1,803 | 117    | 2,107 | 298    | 1,962 | 376    | 1,923  | 320    | 1,491     | 216    | 1,047   | 117    | 451      | 60     | 272      | 79     | 27 |
| 212   | 10     | 187   | 11     | 188   | 11     | 195    | 11     | 311       | 18     | 633     | 27     | 757      | 22     | 632      | 18     | 28 |
| 348   | 2      | 484   | 4      | 520   | 5      | 537    | 5      | 528       | 5      | 399     | 5      | 191      | —      | 151      | —      | 29 |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (e) Quantity and Value of Fuel Used

|    | Province                              | Estab-<br>lish-<br>ments | Bituminous Coal |         | Anthracite Coal |       | Lignite Coal |       |
|----|---------------------------------------|--------------------------|-----------------|---------|-----------------|-------|--------------|-------|
|    |                                       |                          | Quantity        | Value   | Quantity        | Value | Quantity     | Value |
|    |                                       | no.                      | ton             | \$      | ton             | \$    | ton          | \$    |
| 1  | Canada—Totals.....                    | 773                      | 28,855          | 234,969 | 152             | 1,831 | 423          | 2,619 |
| 2  | Lobster canneries.....                | 438                      | 3,216           | 33,046  | 47              | 504   | 23           | 219   |
| 3  | Salmon canneries.....                 | 81                       | 8,029           | 81,133  | —               | —     | —            | —     |
| 4  | Clam canneries.....                   | 15                       | 581             | 4,755   | —               | —     | —            | —     |
| 5  | Sardine and other fish canneries..... | 6                        | 4,930           | 38,283  | —               | —     | —            | —     |
| 6  | Fish curing establishments.....       | 199                      | 6,418           | 32,356  | 55              | 727   | —            | —     |
| 7  | Reduction plants.....                 | 34                       | 5,681           | 45,396  | 50              | 600   | 400          | 2,400 |
| 8  | Prince Edward Island—Totals.....      | 137                      | 887             | 9,297   | —               | —     | —            | —     |
| 9  | Lobster canneries.....                | 133                      | 887             | 9,297   | —               | —     | —            | —     |
| 10 | Clam canneries.....                   | 2)                       | —               | —       | —               | —     | —            | —     |
|    | Other fish canneries.....             | 1)                       | —               | —       | —               | —     | —            | —     |
|    | Fish curing establishments.....       | 1)                       | —               | —       | —               | —     | —            | —     |
| 11 | Nova Scotia—Totals.....               | 225                      | 12,752          | 83,862  | 69              | 711   | 423          | 2,619 |
| 12 | Lobster canneries.....                | 124                      | 1,733           | 16,846  | 47              | 504   | 23           | 219   |
| 13 | Clam canneries.....                   | 6                        | 95              | 885     | —               | —     | —            | —     |
| 14 | Other fish canneries.....             | 3                        | 2,670           | 21,333  | —               | —     | —            | —     |
| 15 | Fish curing establishments.....       | 85                       | 4,600           | 19,399  | 22              | 207   | —            | —     |
| 16 | Reduction plants.....                 | 7                        | 3,654           | 25,399  | —               | —     | 400          | 2,400 |
| 17 | New Brunswick—Totals.....             | 172                      | 2,993           | 23,508  | 19              | 324   | —            | —     |
| 18 | Lobster canneries.....                | 124                      | 217             | 2,326   | —               | —     | —            | —     |
| 19 | Clam canneries.....                   | 7)                       | —               | —       | —               | —     | —            | —     |
| 20 | Sardine canneries.....                | 2)                       | 2,746           | 20,820  | —               | —     | —            | —     |
| 21 | Fish curing establishments.....       | 34                       | 10              | 150     | 19              | 324   | —            | —     |
|    | Reduction plants.....                 | 5                        | 20              | 212     | —               | —     | —            | —     |
| 22 | Quebec—Totals.....                    | 90                       | 532             | 6,137   | —               | —     | —            | —     |
| 23 | Lobster canneries.....                | 57                       | 379             | 4,577   | —               | —     | —            | —     |
| 24 | Salmon canneries.....                 | 4                        | 77              | 770     | —               | —     | —            | —     |
| 25 | Fish curing establishments.....       | 29                       | 76              | 790     | —               | —     | —            | —     |
| 26 | British Columbia—Totals.....          | 149                      | 11,691          | 112,165 | 64              | 796   | —            | —     |
| 27 | Salmon canneries.....                 | 77                       | 7,952           | 80,363  | —               | —     | —            | —     |
| 28 | Fish curing establishments.....       | 50                       | 1,732           | 12,017  | 14              | 196   | —            | —     |
| 29 | Reduction plants.....                 | 22                       | 2,007           | 19,785  | 50              | 600   | —            | —     |

**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(e) Quantity and Value of Fuel Used—concluded**

| Gasoline |        | Petroleum Distillate |       | Fuel Oil  |         | Wood     |        | Electricity | Other Fuel | Total Value |
|----------|--------|----------------------|-------|-----------|---------|----------|--------|-------------|------------|-------------|
| Quantity | Value  | Quantity             | Value | Quantity  | Value   | Quantity | Value  | Value       | Value      |             |
| gal.     | \$     | gal                  | \$    | gal.      | \$      | cord     | \$     | \$          | \$         | \$          |
| 79,666   | 21,306 | 91,385               | 9,053 | 1,738,607 | 102,569 | 10,074   | 57,921 | 30,174      | 4,788      | 465,230 1   |
| 20,198   | 6,457  | -                    | -     | 4         | 1       | 4,628    | 24,099 | -           | -          | 64,326 2    |
| 40,690   | 9,484  | 8,318                | 1,772 | 703,414   | 41,697  | 3,907    | 22,153 | 3,640       | 594        | 160,473 3   |
| 1,865    | 535    | -                    | -     | -         | -       | 71       | 310    | 47          | 353        | 6,000 4     |
| 997      | 338    | -                    | -     | 27,789    | 4,259   | 12       | 81     | -           | 14         | 42,975 5    |
| 8,424    | 2,613  | 8,319                | 1,846 | 29,575    | 2,812   | 1,414    | 11,097 | 19,363      | 3,658      | 74,472 6    |
| 7,492    | 1,879  | 74,748               | 5,435 | 977,885   | 53,800  | 42       | 181    | 7,124       | 169        | 116,984 7   |
| 2,192    | 689    | -                    | -     | -         | -       | 1,601    | 8,157  | -           | -          | 18,143 8    |
| 2,167    | 682    | -                    | -     | -         | -       | 1,596    | 8,132  | -           | -          | 18,111 9    |
| 25       | 7      | -                    | -     | -         | -       | 5        | 25     | -           | -          | 32 10       |
| 14,823   | 4,553  | 100                  | 26    | 8,026     | 1,418   | 1,519    | 9,770  | 7,001       | 3,539      | 113,499 11  |
| 10,623   | 3,308  | -                    | -     | 4         | 1       | 835      | 4,342  | -           | -          | 25,220 12   |
| 1,281    | 369    | -                    | -     | -         | -       | 7        | 44     | 47          | 353        | 1,698 13    |
| 299      | 90     | -                    | -     | -         | -       | 7        | 56     | -           | -          | 21,479 14   |
| 2,570    | 771    | 100                  | 26    | 8,022     | 1,417   | 670      | 5,328  | 1,063       | 3,186      | 31,397 15   |
| 50       | 15     | -                    | -     | -         | -       | -        | -      | 5,891       | -          | 33,705 16   |
| 7,970    | 2,514  | -                    | -     | 27,819    | 4,269   | 2,139    | 12,003 | 44          | 14         | 42,676 17   |
| 5,242    | 1,668  | -                    | -     | -         | -       | 1,895    | 10,159 | -           | -          | 14,153 18   |
| 1,257    | 407    | -                    | -     | 27,789    | 4,259   | 64       | 266    | -           | 14         | 25,766 19   |
| 1,057    | 315    | -                    | -     | 30        | 10      | 180      | 1,578  | 44          | -          | 2,421 20    |
| 414      | 124    | -                    | -     | -         | -       | -        | -      | -           | -          | 336 21      |
| 4,471    | 1,693  | -                    | -     | -         | -       | 724      | 4,487  | -           | 231        | 12,548 22   |
| 2,166    | 790    | -                    | -     | -         | -       | 302      | 1,466  | -           | -          | 6,842 23    |
| -        | -      | -                    | -     | -         | -       | 19       | 85     | -           | -          | 855 24      |
| 2,305    | 894    | -                    | -     | -         | -       | 403      | 2,936  | -           | 231        | 4,851 25    |
| 50,210   | 11,857 | 91,285               | 9,027 | 1,702,822 | 96,882  | 4,091    | 23,504 | 23,129      | 1,004      | 278,364 26  |
| 40,690   | 9,484  | 8,318                | 1,772 | 703,414   | 41,697  | 3,888    | 22,068 | 3,640       | 594        | 159,618 27  |
| 2,492    | 633    | 8,219                | 1,820 | 21,523    | 1,385   | 161      | 1,255  | 18,256      | 241        | 35,803 28   |
| 7,028    | 1,740  | 74,748               | 5,435 | 977,885   | 53,800  | 42       | 181    | 1,233       | 169        | 82,943 29   |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (f) Power Equipment

|    | Province                                | Estab-<br>lish-<br>ments | Steam Engines<br>and<br>Turbines |              | Gas, Gasoline<br>and<br>Oil Engines |              | Water Wheels<br>and<br>Turbines |              |
|----|-----------------------------------------|--------------------------|----------------------------------|--------------|-------------------------------------|--------------|---------------------------------|--------------|
|    |                                         |                          | no.                              | h.p.         | no.                                 | h.p.         | no.                             | h.p.         |
| 1  | <b>Canada—Totals.....</b>               | <b>773</b>               | <b>278</b>                       | <b>4,748</b> | <b>649</b>                          | <b>3,926</b> | <b>50</b>                       | <b>1,276</b> |
| 2  | Lobster canneries.....                  | 438                      | 73                               | 402          | 336                                 | 791          | —                               | —            |
| 3  | Salmon canneries.....                   | 81                       | 151                              | 2,516        | 147                                 | 1,815        | 49                              | 1,256        |
| 4  | Clam canneries.....                     | 15                       | 5                                | 60           | 12                                  | 36           | —                               | —            |
| 5  | Sardine and other fish canneries.....   | 6                        | 13                               | 520          | 8                                   | 42           | —                               | —            |
| 6  | Fish curing establishments.....         | 199                      | 11                               | 589          | 117                                 | 579          | —                               | —            |
| 7  | Reduction plants.....                   | 34                       | 25                               | 661          | 29                                  | 663          | 1                               | 20           |
| 8  | <b>Prince Edward Island—Totals.....</b> | <b>137</b>               | <b>26</b>                        | <b>119</b>   | <b>103</b>                          | <b>226</b>   | <b>—</b>                        | <b>—</b>     |
| 9  | Lobster canneries.....                  | 133                      | 26                               | 119          | 101                                 | 221          | —                               | —            |
| 10 | Clam canneries.....                     | 2                        | —                                | —            | —                                   | —            | —                               | —            |
|    | Other fish canneries.....               | 1                        | —                                | —            | 2                                   | 5            | —                               | —            |
|    | Fish curing establishments.....         | 1                        | —                                | —            | —                                   | —            | —                               | —            |
| 11 | <b>Nova Scotia—Totals.....</b>          | <b>225</b>               | <b>54</b>                        | <b>1,109</b> | <b>165</b>                          | <b>480</b>   | <b>—</b>                        | <b>—</b>     |
| 12 | Lobster canneries.....                  | 124                      | 35                               | 193          | 113                                 | 276          | —                               | —            |
| 13 | Clam canneries.....                     | 6                        | 3                                | 25           | 2                                   | 5            | —                               | —            |
| 14 | Other fish canneries.....               | 3                        | 5                                | 275          | 3                                   | 12           | —                               | —            |
| 15 | Fish curing establishments.....         | 85                       | 8                                | 562          | 46                                  | 185          | —                               | —            |
| 16 | Reduction plants.....                   | 7                        | 3                                | 54           | 1                                   | 2            | —                               | —            |
| 17 | <b>New Brunswick—Totals.....</b>        | <b>172</b>               | <b>24</b>                        | <b>422</b>   | <b>118</b>                          | <b>310</b>   | <b>—</b>                        | <b>—</b>     |
| 18 | Lobster canneries.....                  | 124                      | 10                               | 75           | 83                                  | 178          | —                               | —            |
|    | Clam canneries.....                     | 7                        | —                                | —            | —                                   | —            | —                               | —            |
| 19 | Sardine canneries.....                  | 2                        | 10                               | 280          | 13                                  | 56           | —                               | —            |
| 20 | Fish curing establishments.....         | 34                       | 3                                | 27           | 20                                  | 68           | —                               | —            |
| 21 | Reduction plants.....                   | 5                        | 1                                | 40           | 2                                   | 8            | —                               | —            |
| 22 | <b>Quebec—Totals.....</b>               | <b>90</b>                | <b>5</b>                         | <b>27</b>    | <b>64</b>                           | <b>200</b>   | <b>—</b>                        | <b>—</b>     |
| 23 | Lobster canneries.....                  | 57                       | 2                                | 15           | 39                                  | 116          | —                               | —            |
| 24 | Salmon canneries.....                   | 4                        | 3                                | 12           | —                                   | —            | —                               | —            |
| 25 | Fish curing establishments.....         | 29                       | —                                | —            | 25                                  | 84           | —                               | —            |
| 26 | <b>British Columbia—Totals.....</b>     | <b>149</b>               | <b>169</b>                       | <b>3,071</b> | <b>199</b>                          | <b>2,710</b> | <b>50</b>                       | <b>1,276</b> |
| 27 | Salmon canneries.....                   | 77                       | 148                              | 2,504        | 147                                 | 1,815        | 49                              | 1,256        |
| 28 | Fish curing establishments.....         | 50                       | —                                | —            | 26                                  | 242          | —                               | —            |
| 29 | Reduction plants.....                   | 22                       | 21                               | 567          | 26                                  | 653          | 1                               | 20           |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (g) Time in Operation and Hours Worked

| Province                                | Total<br>Number<br>of<br>Estab-<br>lish-<br>ments | Number of Establishments<br>operating<br>during the year |                           |                            |                            |                         | Number of wage-earners<br>working in month of<br>highest employment |              |              |                     |
|-----------------------------------------|---------------------------------------------------|----------------------------------------------------------|---------------------------|----------------------------|----------------------------|-------------------------|---------------------------------------------------------------------|--------------|--------------|---------------------|
|                                         |                                                   | Less<br>than<br>60 days                                  | From<br>60 to<br>119 days | From<br>120 to<br>179 days | From<br>180 to<br>239 days | 240 days<br>and<br>over | 8 hours<br>per day<br>or less                                       | 9<br>hours   | 10<br>hours  | Over<br>10<br>hours |
|                                         |                                                   | no.                                                      | no.                       | no.                        | no.                        | no.                     | no.                                                                 | no.          | no.          | no.                 |
| <b>Canada—Totals.....</b>               | <b>773</b>                                        | <b>321</b>                                               | <b>211</b>                | <b>113</b>                 | <b>65</b>                  | <b>63</b>               | <b>4,391</b>                                                        | <b>3,756</b> | <b>5,416</b> | <b>389</b>          |
| Lobster canneries.....                  | 438                                               | 272                                                      | 139                       | 6                          | 12                         | 9                       | 2,046                                                               | 1,289        | 3,264        | 23                  |
| Salmon canneries.....                   | 81                                                | 17                                                       | 15                        | 28                         | 16                         | 5                       | 1,191                                                               | 1,605        | 239          | 204                 |
| Clam canneries.....                     | 15                                                | —                                                        | 6                         | 3                          | 2                          | 4                       | 41                                                                  | 76           | 64           | 2                   |
| Sardine and other fish canneries.....   | 6                                                 | 2                                                        | —                         | 1                          | 1                          | 2                       | 8                                                                   | —            | 422          | 11                  |
| Fish curing establishments.....         | 199                                               | 26                                                       | 49                        | 60                         | 26                         | 38                      | 974                                                                 | 627          | 1,052        | 78                  |
| Reduction plants.....                   | 34                                                | 4                                                        | 2                         | 15                         | 8                          | 5                       | 131                                                                 | 159          | 375          | 71                  |
| <b>Prince Edward Island—Totals.....</b> | <b>137</b>                                        | <b>82</b>                                                | <b>52</b>                 | <b>3</b>                   | <b>—</b>                   | <b>—</b>                | <b>505</b>                                                          | <b>70</b>    | <b>995</b>   | <b>—</b>            |
| Lobster canneries.....                  | 133                                               | 81                                                       | 50                        | 2                          | —                          | —                       | 505                                                                 | 58           | 977          | —                   |
| Clam canneries.....                     | 2                                                 | —                                                        | —                         | —                          | —                          | —                       | —                                                                   | —            | —            | —                   |
| Other fish canneries.....               | 1                                                 | 1                                                        | 2                         | 1                          | —                          | —                       | —                                                                   | 12           | 18           | —                   |
| Fish curing establishments.....         | 1                                                 | —                                                        | —                         | —                          | —                          | —                       | —                                                                   | —            | —            | —                   |
| <b>Nova Scotia—Totals.....</b>          | <b>225</b>                                        | <b>71</b>                                                | <b>51</b>                 | <b>34</b>                  | <b>29</b>                  | <b>40</b>               | <b>646</b>                                                          | <b>1,582</b> | <b>1,894</b> | <b>78</b>           |
| Lobster canneries.....                  | 124                                               | 63                                                       | 36                        | 4                          | 12                         | 9                       | 426                                                                 | 1,139        | 1,081        | 21                  |
| Clam canneries.....                     | 6                                                 | —                                                        | 2                         | —                          | 1                          | 3                       | 4                                                                   | 59           | 9            | 2                   |
| Other fish canneries.....               | 3                                                 | —                                                        | —                         | 1                          | —                          | 2                       | —                                                                   | —            | 286          | —                   |
| Fish curing establishments.....         | 85                                                | 7                                                        | 13                        | 27                         | 14                         | 24                      | 185                                                                 | 379          | 504          | 55                  |
| Reduction plants.....                   | 7                                                 | 1                                                        | —                         | 2                          | 2                          | 2                       | 31                                                                  | 5            | 14           | —                   |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (f) Power Equipment

| Total Primary Power |       | Electric Motors operated by purchased power |       | Total Power Equipment |        | Electric Motors operated by power generated by primary power |      | Total Electric Motors |       | Boilers |        |
|---------------------|-------|---------------------------------------------|-------|-----------------------|--------|--------------------------------------------------------------|------|-----------------------|-------|---------|--------|
| no.                 | h.p.  | no.                                         | h.p.  | no.                   | h.p.   | no.                                                          | h.p. | no.                   | h.p.  | no.     | h.p.   |
| 977                 | 9,950 | 90                                          | 1,801 | 1,067                 | 11,751 | 54                                                           | 564  | 144                   | 2,365 | 371     | 18,479 |
| 409                 | 1,193 | —                                           | —     | 409                   | 1,193  | 1                                                            | 10   | 1                     | 10    | 194     | 3,901  |
| 347                 | 5,587 | 31                                          | 254   | 378                   | 5,841  | 31                                                           | 362  | 62                    | 616   | 98      | 8,804  |
| 17                  | 96    | 1                                           | 5     | 18                    | 101    | —                                                            | —    | 1                     | 5     | 11      | 283    |
| 21                  | 562   | —                                           | —     | 21                    | 562    | 6                                                            | 40   | 6                     | 40    | 11      | 785    |
| 128                 | 1,168 | 52                                          | 1,400 | 180                   | 2,568  | 13                                                           | 112  | 65                    | 1,512 | 15      | 971    |
| 55                  | 1,344 | 6                                           | 142   | 61                    | 1,486  | 3                                                            | 40   | 9                     | 182   | 42      | 3,735  |
| 129                 | 345   | —                                           | —     | 129                   | 345    | —                                                            | —    | —                     | —     | 64      | 1,154  |
| 127                 | 340   | —                                           | —     | 127                   | 340    | —                                                            | —    | —                     | —     | 64      | 1,154  |
| 2                   | 5     | —                                           | —     | 2                     | 5      | —                                                            | —    | —                     | —     | —       | —      |
| 219                 | 1,589 | 17                                          | 231   | 236                   | 1,820  | 20                                                           | 179  | 37                    | 410   | 108     | 3,104  |
| 148                 | 469   | —                                           | —     | 148                   | 469    | —                                                            | —    | —                     | —     | 86      | 1,739  |
| 5                   | 30    | 1                                           | 5     | 6                     | 35     | —                                                            | —    | 1                     | 5     | 3       | 58     |
| 8                   | 287   | —                                           | —     | 8                     | 287    | 6                                                            | 40   | 6                     | 40    | 4       | 335    |
| 54                  | 747   | 15                                          | 196   | 69                    | 943    | 12                                                           | 104  | 27                    | 300   | 9       | 726    |
| 4                   | 56    | 1                                           | 30    | 5                     | 86     | 2                                                            | 35   | 3                     | 65    | 6       | 246    |
| 142                 | 732   | 1                                           | 3     | 143                   | 735    | 1                                                            | 10   | 2                     | 13    | 47      | 1,373  |
| 93                  | 253   | —                                           | —     | 93                    | 253    | 1                                                            | 10   | 1                     | 10    | 28      | 588    |
| 23                  | 336   | —                                           | —     | 23                    | 336    | —                                                            | —    | —                     | —     | 15      | 675    |
| 23                  | 95    | 1                                           | 3     | 24                    | 98     | —                                                            | —    | 1                     | 3     | 2       | 40     |
| 3                   | 48    | —                                           | —     | 3                     | 48     | —                                                            | —    | —                     | —     | 2       | 70     |
| 69                  | 227   | —                                           | —     | 69                    | 227    | —                                                            | —    | —                     | —     | 17      | 430    |
| 41                  | 131   | —                                           | —     | 41                    | 131    | —                                                            | —    | —                     | —     | 16      | 420    |
| 3                   | 12    | —                                           | —     | 3                     | 12     | —                                                            | —    | —                     | —     | —       | 24     |
| 25                  | 84    | —                                           | —     | 25                    | 84     | —                                                            | —    | —                     | —     | 1       | 10     |
| 418                 | 7,057 | 72                                          | 1,567 | 490                   | 8,624  | 33                                                           | 375  | 105                   | 1,942 | 135     | 12,418 |
| 344                 | 5,575 | 31                                          | 254   | 375                   | 5,829  | 31                                                           | 362  | 62                    | 616   | 98      | 8,804  |
| 26                  | 242   | 36                                          | 1,201 | 62                    | 1,443  | 1                                                            | 8    | 37                    | 1,209 | 3       | 195    |
| 48                  | 1,240 | 5                                           | 112   | 53                    | 1,352  | 1                                                            | 5    | 6                     | 117   | 34      | 3,419  |

## II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing

### (g) Time in Operation and Hours Worked

| Province                            | Total<br>Number<br>of<br>Establish-<br>ments | Number of Establishments<br>operating<br>during the year |                           |                            |                            |                         |                               | Number of wage-earners<br>working in month of<br>highest employment |             |                     |     |
|-------------------------------------|----------------------------------------------|----------------------------------------------------------|---------------------------|----------------------------|----------------------------|-------------------------|-------------------------------|---------------------------------------------------------------------|-------------|---------------------|-----|
|                                     |                                              | Less<br>than<br>60 days                                  | From<br>60 to<br>119 days | From<br>120 to<br>179 days | From<br>180 to<br>239 days | 240 days<br>and<br>over | 8 hours<br>per day<br>or less | 9<br>hours                                                          | 10<br>hours | Over<br>10<br>hours |     |
| <b>New Brunswick—Totals.....</b>    | <b>172</b>                                   | no. 92                                                   | no. 56                    | no. 10                     | no. 8                      | no. 6                   | no. 1,010                     | no. 104                                                             | no. 909     | no. 15              |     |
| Lobster canneries.....              | 124                                          | 87                                                       | 37                        | —                          | —                          | —                       | 917                           | 77                                                                  | 654         | 2                   |     |
| Clam canneries.....                 | 7                                            | }                                                        | 1                         | 2                          | 3                          | 2                       | 1                             | 45                                                                  | 5           | 181                 |     |
| Sardine canneries.....              | 2                                            |                                                          |                           |                            |                            |                         |                               |                                                                     |             |                     | 34  |
| Fish curing establishments.....     | 34                                           | 5                                                        | —                         | —                          | 2                          | 3                       | —                             | 1                                                                   | 3           | 3                   |     |
| Reduction plants.....               | 5                                            |                                                          |                           |                            |                            |                         |                               |                                                                     |             |                     | 90  |
| <b>Quebec—Totals.....</b>           | <b>90</b>                                    | 57                                                       | 41                        | 16                         | —                          | —                       | —                             | 198                                                                 | 15          | 552                 |     |
| Lobster canneries.....              | 57                                           |                                                          |                           |                            |                            |                         |                               |                                                                     |             |                     | 4   |
| Salmon canneries.....               | 4                                            | 29                                                       | —                         | 7                          | 13                         | 7                       | 2                             | 52                                                                  | 21          | 418                 |     |
| Fish curing establishments.....     | 29                                           |                                                          |                           |                            |                            |                         |                               |                                                                     |             |                     | 149 |
| <b>British Columbia—Totals.....</b> | <b>149</b>                                   | 77                                                       | 13                        | 15                         | 28                         | 16                      | 5                             | 1,156                                                               | 1,605       | 239                 |     |
| Salmon canneries.....               | 77                                           |                                                          |                           |                            |                            |                         |                               |                                                                     |             |                     | 50  |
| Fish curing establishments.....     | 50                                           | 22                                                       | 3                         | 2                          | 11                         | 3                       | 3                             | 99                                                                  | 151         | 358                 |     |
| Reduction plants.....               | 22                                           |                                                          |                           |                            |                            |                         |                               |                                                                     |             |                     |     |

**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(h) Classification of Establishments According to Value of Production**

| Province                                | Total<br>Number<br>of<br>Establish-<br>ments | Establishments having a production valued at |                                 |                                  |                                  |                         |
|-----------------------------------------|----------------------------------------------|----------------------------------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------|
|                                         |                                              | Under<br>\$5,000                             | \$5,000<br>to under<br>\$10,000 | \$10,000<br>to under<br>\$20,000 | \$20,000<br>to under<br>\$50,000 | \$50,000<br>and<br>over |
|                                         |                                              | no.                                          | no.                             | no.                              | no.                              | no.                     |
| <b>Canada—Totals.....</b>               | <b>773</b>                                   | <b>284</b>                                   | <b>123</b>                      | <b>119</b>                       | <b>105</b>                       | <b>142</b>              |
| Lobster canneries.....                  | 438                                          | 203                                          | 84                              | 82                               | 54                               | 15                      |
| Salmon canneries.....                   | 81                                           | 3                                            | —                               | 1                                | 3                                | 74                      |
| Clam canneries.....                     | 15                                           | 4                                            | 5                               | 3                                | 3                                | —                       |
| Sardine and other fish canneries.....   | 6                                            | 2                                            | —                               | —                                | 2                                | 2                       |
| Fish curing establishments.....         | 199                                          | 66                                           | 31                              | 31                               | 34                               | 37                      |
| Reduction plants.....                   | 34                                           | 6                                            | 3                               | 2                                | 9                                | 14                      |
| <b>Prince Edward Island—Totals.....</b> | <b>137</b>                                   | <b>72</b>                                    | <b>29</b>                       | <b>29</b>                        | <b>7</b>                         | <b>—</b>                |
| Lobster canneries.....                  | 133                                          | 69                                           | 28                              | 29                               | 7                                | —                       |
| Clam canneries.....                     | 2                                            | —                                            | —                               | —                                | —                                | —                       |
| Other fish canneries.....               | 1                                            | 3                                            | 1                               | —                                | —                                | —                       |
| Fish curing establishments.....         | 1                                            | —                                            | —                               | —                                | —                                | —                       |
| <b>Nova Scotia—Totals.....</b>          | <b>225</b>                                   | <b>54</b>                                    | <b>38</b>                       | <b>50</b>                        | <b>52</b>                        | <b>31</b>               |
| Lobster canneries.....                  | 124                                          | 15                                           | 26                              | 36                               | 35                               | 12                      |
| Clam canneries.....                     | 6                                            | 2                                            | 2                               | 1                                | 1                                | —                       |
| Other fish canneries.....               | 3                                            | —                                            | —                               | —                                | 2                                | 1                       |
| Fish curing establishments.....         | 85                                           | 35                                           | 9                               | 13                               | 11                               | 17                      |
| Reduction plants.....                   | 7                                            | 2                                            | 1                               | —                                | 3                                | 1                       |
| <b>New Brunswick—Totals.....</b>        | <b>172</b>                                   | <b>107</b>                                   | <b>35</b>                       | <b>13</b>                        | <b>10</b>                        | <b>7</b>                |
| Lobster canneries.....                  | 124                                          | 80                                           | 25                              | 10                               | 6                                | 3                       |
| Clam canneries.....                     | 7                                            | —                                            | —                               | —                                | —                                | —                       |
| Sardine canneries.....                  | 2                                            | 1                                            | 3                               | 2                                | 2                                | 1                       |
| Fish curing establishments.....         | 34                                           | 22                                           | 6                               | 1                                | 2                                | 3                       |
| Reduction plants.....                   | 5                                            | 4                                            | 1                               | —                                | —                                | —                       |
| <b>Quebec—Totals.....</b>               | <b>90</b>                                    | <b>46</b>                                    | <b>15</b>                       | <b>17</b>                        | <b>— 12</b>                      | <b>—</b>                |
| Lobster canneries.....                  | 57                                           | 39                                           | 5                               | 7                                | 6                                | —                       |
| Salmon canneries.....                   | 4                                            | 3                                            | —                               | —                                | 1                                | —                       |
| Fish curing establishments.....         | 29                                           | 4                                            | 10                              | 10                               | 5                                | —                       |
| <b>British Columbia—Totals.....</b>     | <b>149</b>                                   | <b>5</b>                                     | <b>6</b>                        | <b>10</b>                        | <b>24</b>                        | <b>104</b>              |
| Salmon canneries.....                   | 77                                           | —                                            | —                               | 1                                | 2                                | 74                      |
| Fish curing establishments.....         | 50                                           | 5                                            | 5                               | 7                                | 16                               | 17                      |
| Reduction plants.....                   | 22                                           | —                                            | 1                               | 2                                | 6                                | 13                      |

II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing  
(i) Classification of Establishments According to Number of Employees

| Province                                 | Total<br>Number<br>of<br>Establish-<br>ments | Establishments                         |                                       |                           |
|------------------------------------------|----------------------------------------------|----------------------------------------|---------------------------------------|---------------------------|
|                                          |                                              | Employing<br>less than<br>five persons | Employing<br>five persons<br>and over | Having<br>no<br>employees |
|                                          |                                              | no.                                    | no.                                   | no.                       |
| <b>Canada—Totals</b> .....               | <b>773</b>                                   | <b>176</b>                             | <b>564</b>                            | <b>33</b>                 |
| Lobster canneries.....                   | 438                                          | 84                                     | 337                                   | 17                        |
| Salmon canneries.....                    | 81                                           | 2                                      | 78                                    | 1                         |
| Clam canneries.....                      | 15                                           | 3                                      | 10                                    | 2                         |
| Sardine and other fish canneries.....    | 6                                            | —                                      | 5                                     | 1                         |
| Fish curing establishments.....          | 199                                          | 80                                     | 109                                   | 10                        |
| Reduction plants.....                    | 34                                           | 7                                      | 25                                    | 2                         |
| <b>Prince Edward Island—Totals</b> ..... | <b>137</b>                                   | <b>35</b>                              | <b>101</b>                            | <b>1</b>                  |
| Lobster canneries.....                   | 133                                          | 35                                     | 98                                    | —                         |
| Clam canneries.....                      | 2                                            | —                                      | 3                                     | 1                         |
| Other fish canneries.....                | 1                                            | —                                      | —                                     | —                         |
| Fish curing establishments.....          | 1                                            | —                                      | —                                     | —                         |
| <b>Nova Scotia—Totals</b> .....          | <b>225</b>                                   | <b>50</b>                              | <b>165</b>                            | <b>7</b>                  |
| Lobster canneries.....                   | 124                                          | 4                                      | 120                                   | —                         |
| Clam canneries.....                      | 6                                            | 1                                      | 3                                     | 2                         |
| Other fish canneries.....                | 3                                            | —                                      | 3                                     | —                         |
| Fish curing establishments.....          | 85                                           | 42                                     | 39                                    | 4                         |
| Reduction plants.....                    | 7                                            | 3                                      | 3                                     | 1                         |
| <b>New Brunswick—Totals</b> .....        | <b>172</b>                                   | <b>57</b>                              | <b>108</b>                            | <b>7</b>                  |
| Lobster canneries.....                   | 124                                          | 30                                     | 94                                    | —                         |
| Clam canneries.....                      | 7                                            | —                                      | —                                     | —                         |
| Sardine canneries.....                   | 2                                            | 2                                      | 7                                     | —                         |
| Fish curing establishments.....          | 34                                           | 21                                     | 7                                     | 6                         |
| Reduction plants.....                    | 5                                            | 4                                      | —                                     | 1                         |
| <b>Quebec—Totals</b> .....               | <b>90</b>                                    | <b>24</b>                              | <b>48</b>                             | <b>18</b>                 |
| Lobster canneries.....                   | 57                                           | 15                                     | 25                                    | 17                        |
| Salmon canneries.....                    | 4                                            | 2                                      | 1                                     | 1                         |
| Fish curing establishments.....          | 29                                           | 7                                      | 22                                    | —                         |
| <b>British Columbia—Totals</b> .....     | <b>149</b>                                   | <b>10</b>                              | <b>139</b>                            | <b>—</b>                  |
| Salmon canneries.....                    | 77                                           | —                                      | 77                                    | —                         |
| Fish curing establishments.....          | 50                                           | 10                                     | 40                                    | —                         |
| Reduction plants.....                    | 22                                           | —                                      | 22                                    | —                         |

**II. Agencies of Production, 1927—Part 2. In Fish Canning and Curing**  
**(j) Classification of Establishments According to Form of Organization**

| Province                                | Total<br>Number<br>of<br>Establish-<br>ments | Establishments operated by |                   |                             |                                  |
|-----------------------------------------|----------------------------------------------|----------------------------|-------------------|-----------------------------|----------------------------------|
|                                         |                                              | Individuals                | Partner-<br>ships | Joint<br>Stock<br>Companies | Co-<br>operative<br>Associations |
|                                         | no.                                          | no.                        | no.               | no.                         | no.                              |
| <b>Canada—Totals.....</b>               | <b>773</b>                                   | <b>368</b>                 | <b>134</b>        | <b>259</b>                  | <b>12</b>                        |
| Lobster canneries.....                  | 438                                          | 260                        | 90                | 79                          | 9                                |
| Salmon canneries.....                   | 81                                           | 3                          | —                 | 77                          | 1                                |
| Clam canneries.....                     | 15                                           | 7                          | 3                 | 5                           | —                                |
| Sardine and other fish canneries.....   | 6                                            | 2                          | 1                 | 3                           | —                                |
| Fish curing establishments.....         | 199                                          | 94                         | 38                | 65                          | 2                                |
| Reduction plants.....                   | 34                                           | 2                          | 2                 | 30                          | —                                |
| <b>Prince Edward Island—Totals.....</b> | <b>137</b>                                   | <b>90</b>                  | <b>29</b>         | <b>11</b>                   | <b>7</b>                         |
| Lobster canneries.....                  | 133                                          | 87                         | 29                | 10                          | 7                                |
| Clam canneries.....                     | 2                                            | —                          | —                 | —                           | —                                |
| Other fish canneries.....               | 1                                            | 3                          | —                 | 1                           | —                                |
| Fish curing establishments.....         | 1                                            | —                          | —                 | —                           | —                                |
| <b>Nova Scotia—Totals.....</b>          | <b>225</b>                                   | <b>105</b>                 | <b>44</b>         | <b>73</b>                   | <b>3</b>                         |
| Lobster canneries.....                  | 124                                          | 50                         | 26                | 46                          | 2                                |
| Clam canneries.....                     | 6                                            | 2                          | 1                 | 3                           | —                                |
| Other fish canneries.....               | 3                                            | 1                          | —                 | 2                           | —                                |
| Fish curing establishments.....         | 85                                           | 50                         | 16                | 18                          | 1                                |
| Reduction plants.....                   | 7                                            | 2                          | 1                 | 4                           | —                                |
| <b>New Brunswick—Totals.....</b>        | <b>172</b>                                   | <b>113</b>                 | <b>26</b>         | <b>33</b>                   | <b>—</b>                         |
| Lobster canneries.....                  | 124                                          | 87                         | 14                | 23                          | —                                |
| Clam canneries.....                     | 7                                            | —                          | —                 | —                           | —                                |
| Sardine canneries.....                  | 2                                            | 3                          | 3                 | 3                           | —                                |
| Fish curing establishments.....         | 34                                           | 23                         | 8                 | 3                           | —                                |
| Reduction plants.....                   | 5                                            | —                          | 1                 | 4                           | —                                |
| <b>Quebec—Totals.....</b>               | <b>90</b>                                    | <b>48</b>                  | <b>32</b>         | <b>9</b>                    | <b>1</b>                         |
| Lobster canneries.....                  | 57                                           | 36                         | 21                | —                           | —                                |
| Salmon canneries.....                   | 4                                            | 3                          | —                 | —                           | 1                                |
| Fish curing establishments.....         | 29                                           | 9                          | 11                | 9                           | —                                |
| <b>British Columbia—Totals.....</b>     | <b>149</b>                                   | <b>12</b>                  | <b>3</b>          | <b>133</b>                  | <b>1</b>                         |
| Salmon canneries.....                   | 77                                           | —                          | —                 | 77                          | —                                |
| Fish curing establishments.....         | 50                                           | 12                         | 3                 | 34                          | 1                                |
| Reduction plants.....                   | 22                                           | —                          | —                 | 22                          | —                                |



**III. SPECIAL TABLES OF IMPORTS AND EXPORTS,  
BOUNTIES, Etc.**

### III. (1) Statement showing the Salmon-pack<sup>1</sup> of the Province of British Columbia, by Districts and Species, from 1917 to 1927, inclusive. (From reports of B.C. Salmon Cannery Association)

| Species                        | 1917           | 1918           | 1919           | 1920           | 1921           | 1922           | 1923           | 1924           | 1925           | 1926           | 1927           |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                | cases          | cases          | cases          | cases          | cases          | cases          | cases          | cases          | cases          | cases          | cases          |
| FRASER RIVER                   |                |                |                |                |                |                |                |                |                |                |                |
| Sockeyes.....                  | 123,614        | 16,849         | 29,628         | 44,598         | 35,900         | 48,744         | 29,423         | 36,200         | 31,523         | 83,598         | 57,056         |
| Springs, red.....              | 10,197         | 15,192         | 14,519         | 19,691         | 11,360         | 10,561         | 3,854          | 2,982          | 5,605          | 9,710          | 5,032          |
| Springs, standard.....         | -              | -              | -              | -              | -              | 2,433          | 664            | 592            | 2,294          | 3,073          | 2,893          |
| Springs, white.....            | 18,916         | 24,853         | 4,296          | 4,392          | 5,949          | 3,867          | 3,615          | 4,056          | 27,701         | 20,169         | 10,528         |
| Bluebacks and Steel-heads..... | 4,951          | 4,395          | 15,941         | 4,522          | 1,331          | 817            | 15             | 1,822          | 5,152          | 13,776         | 10,658         |
| Cohoos.....                    | 25,895         | 40,111         | 39,253         | 22,934         | 29,978         | 23,587         | 20,173         | 21,401         | 36,717         | 21,783         | 24,079         |
| Pinks.....                     | 134,442        | 18,388         | 39,363         | 12,839         | 8,178          | 29,578         | 63,645         | 31,968         | 99,800         | 32,256         | 102,536        |
| Chums.....                     | 59,973         | 86,215         | 15,718         | 23,884         | 11,223         | 17,895         | 103,248        | 109,495        | 66,111         | 88,495         | 67,259         |
| <b>Total.....</b>              | <b>377,988</b> | <b>206,003</b> | <b>158,718</b> | <b>132,860</b> | <b>103,919</b> | <b>137,482</b> | <b>224,637</b> | <b>208,516</b> | <b>272,993</b> | <b>272,860</b> | <b>280,041</b> |

|                        |                |                |                |                |                |                |                |                |                |                |                |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| SKEENA RIVER           |                |                |                |                |                |                |                |                |                |                |                |
| Sockeyes.....          | 65,760         | 123,322        | 184,945        | 90,869         | 41,018         | 100,667        | 131,721        | 144,747        | 81,146         | 82,360         | 83,996         |
| Springs, red.....      | 13,586         | 16,013         | 19,661         | 37,403         | 18,599         | 7,080          | 8,863          | 9,366          | 15,978         | 13,377         | 11,955         |
| Springs, standard..... | -              | -              | 6,280          | 5,321          | 3,167          | 5,591          | 2,885          | 1,361          | 2,227          | 4,975          | 5,681          |
| Springs, white.....    | 2,699          | 6,828          | -              | -              | 498            | 1,805          | 499            | 1,301          | 5,240          | 2,242          | 1,402          |
| Steelheads.....        | 1,883          | 4,994          | 2,672          | 1,218          | 498            | 1,050          | 418            | 214            | 713            | 754            | 582            |
| Cohoos.....            | 38,456         | 38,759         | 36,559         | 18,068         | 45,033         | 24,699         | 31,967         | 26,968         | 39,168         | 30,208         | 26,326         |
| Pinks.....             | 148,319        | 161,727        | 117,303        | 177,679        | 124,457        | 301,655        | 145,973        | 181,313        | 130,079        | 210,081        | 38,768         |
| Chums.....             | 21,516         | 22,573         | 31,457         | 3,834          | 1,993          | 39,758         | 16,527         | 25,538         | 74,393         | 63,527         | 19,006         |
| <b>Total.....</b>      | <b>292,219</b> | <b>374,216</b> | <b>398,877</b> | <b>334,392</b> | <b>234,765</b> | <b>482,305</b> | <b>338,863</b> | <b>390,858</b> | <b>348,859</b> | <b>407,524</b> | <b>187,716</b> |

|                                |               |                |               |                |               |               |                |                |                |                |               |
|--------------------------------|---------------|----------------|---------------|----------------|---------------|---------------|----------------|----------------|----------------|----------------|---------------|
| RIVERS INLET AND SMITHS INLET  |               |                |               |                |               |               |                |                |                |                |               |
| Sockeyes.....                  | 61,195        | 53,401         | 56,258        | 121,254        | 46,300        | 60,700        | 112,350        | 91,760         | 171,510        | 74,628         | 87,143        |
| Springs, red.....              | 175           | 957            | 967           | 1,522          | 364           | 216           | 230            | 153            | 113            | 81             | 238           |
| Springs, standard.....         | -             | -              | 475           | 271            | -             | 69            | 269            | 261            | 331            | 581            | 510           |
| Springs, white.....            | 102           | 452            | -             | -              | -             | 38            | 100            | 131            | 52             | 135            | 209           |
| Bluebacks and Steel-heads..... | -             | -              | 2             | -              | 97            | 82            | -              | -              | -              | 11             | 17            |
| Cohoos.....                    | 9,124         | 12,074         | 9,038         | 2,908          | 4,718         | 1,120         | 1,526          | 1,980          | 4,946          | 7,450          | 5,084         |
| Pinks.....                     | 8,065         | 29,542         | 6,538         | 25,647         | 5,305         | 24,292        | 10,057         | 15,105         | 8,625          | 13,504         | 1,403         |
| Chums.....                     | 16,101        | 6,729          | 7,089         | 1,226          | 173           | 311           | 3,242          | 4,924          | 11,510         | 11,758         | 3,727         |
| <b>Total.....</b>              | <b>95,302</b> | <b>103,155</b> | <b>80,367</b> | <b>152,828</b> | <b>56,957</b> | <b>86,828</b> | <b>127,774</b> | <b>114,314</b> | <b>197,087</b> | <b>108,148</b> | <b>98,331</b> |

|                        |                |                |               |               |               |                |               |                |               |               |               |
|------------------------|----------------|----------------|---------------|---------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|
| NAAS RIVER             |                |                |               |               |               |                |               |                |               |               |               |
| Sockeyes.....          | 22,188         | 21,816         | 28,259        | 16,740        | 9,364         | 31,277         | 17,821        | 33,590         | 18,945        | 15,929        | 12,026        |
| Springs, red.....      | 3,170          | 2,332          | 2,408         | 3,586         | 1,431         | 1,466          | 2,522         | 2,142          | 3,067         | 4,616         | 3,158         |
| Springs, standard..... | -              | -              | 1,166         | 1,271         | 657           | 431            | 457           | 208            | 298           | 751           | 387           |
| Springs, white.....    | 1,326          | 1,820          | -             | -             | -             | 255            | 335           | 375            | 392           | 597           | 279           |
| Steelheads.....        | 1,125          | 1,305          | 789           | 560           | 413           | 235            | 595           | 1,035          | 245           | 375           | 96            |
| Cohoos.....            | 22,180         | 17,061         | 10,900        | 3,700         | 8,236         | 3,533          | 7,894         | 6,481          | 8,027         | 4,274         | 3,966         |
| Pinks.....             | 44,568         | 59,206         | 29,949        | 43,151        | 29,488        | 75,687         | 44,165        | 72,496         | 35,530        | 50,815        | 16,609        |
| Chums.....             | 24,938         | 40,368         | 24,041        | 12,145        | 2,176         | 11,277         | 25,791        | 26,612         | 22,504        | 15,392        | 3,307         |
| <b>Total.....</b>      | <b>119,495</b> | <b>143,908</b> | <b>97,512</b> | <b>81,153</b> | <b>51,765</b> | <b>124,071</b> | <b>99,580</b> | <b>142,939</b> | <b>89,008</b> | <b>92,749</b> | <b>39,828</b> |

|                                      |          |          |          |          |          |          |               |                |               |                |                |
|--------------------------------------|----------|----------|----------|----------|----------|----------|---------------|----------------|---------------|----------------|----------------|
| QUEEN CHARLOTTE ISLANDS <sup>2</sup> |          |          |          |          |          |          |               |                |               |                |                |
| Sockeyes.....                        | -        | -        | -        | -        | -        | -        | -             | 88             | 38            | 708            | 329            |
| Springs, red.....                    | -        | -        | -        | -        | -        | -        | -             | -              | 283           | -              | 1,980          |
| Springs, standard.....               | -        | -        | -        | -        | -        | -        | -             | -              | -             | 560            | 81             |
| Springs, white.....                  | -        | -        | -        | -        | -        | -        | -             | -              | -             | -              | 5              |
| Cohoos.....                          | -        | -        | -        | -        | -        | 433      | 2,268         | 2,157          | 3,716         | -              | 4,845          |
| Pinks.....                           | -        | -        | -        | -        | -        | 332      | 151,676       | 2,640          | 200,512       | -              | 275            |
| Chums.....                           | -        | -        | -        | -        | -        | 27,728   | 41,779        | 76,016         | 168,319       | -              | 102,374        |
| <b>Total.....</b>                    | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>28,493</b> | <b>195,811</b> | <b>81,134</b> | <b>373,815</b> | <b>109,889</b> |

<sup>1</sup> Standard cases of 48 pounds.<sup>2</sup> Prior to 1923 included with Skeena River.

III. (1) Statement showing the Salmon-pack<sup>1</sup> of the Province of British Columbia, by Districts and Species, from 1917 to 1927, inclusive. (From reports of B.C. Salmon Cannery Association)—concluded

| Species | 1917  | 1918  | 1919  | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         | cases | cases | cases | cases | cases | cases | cases | cases | cases | cases | cases |

## VANCOUVER ISLAND

|                                |         |         |         |        |        |         |         |         |         |         |         |
|--------------------------------|---------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|
| Sockeyes.....                  | 34,189  | 9,091   | 15,678  | 10,788 | 10,667 | 18,235  | 14,238  | 19,161  | 18,619  | 27,161  | 29,172  |
| Springs, red.....              | 15,714  | 25,460  | 28,476  | 25,680 | 2,690  | 716     | 95      | 187     | 4,144   | 3,952   | 3,449   |
| Springs, standard.....         | —       | —       | —       | —      | —      | —       | —       | —       | —       | —       | —       |
| Springs, white.....            | 3,795   | 4,864   | 7,537   | 3,531  | 540    | 58      | 40      | —       | 1,105   | 609     | 1,619   |
| Bluebacks and steel-heads..... | —       | —       | —       | —      | —      | 112     | 3       | 96      | 415     | 661     | 1,701   |
| Cohoos.....                    | 2,916   | 4,215   | 8,645   | 435    | 3,151  | 5,495   | 7,097   | 2,510   | 4,832   | 5,383   | 10,194  |
| Pinks.....                     | 31,733  | 40,732  | 44,984  | 20,555 | 11,120 | 18,575  | 21,342  | 30,593  | 59,747  | 51,551  | 58,834  |
| Chums.....                     | 49,156  | 57,035  | 43,186  | 14,391 | 10,660 | 36,943  | 30,149  | 63,102  | 51,384  | 86,113  | 52,561  |
| Total.....                     | 240,381 | 251,266 | 128,013 | 12,591 | 34,431 | 108,478 | 120,520 | 165,161 | 127,520 | 174,383 | 220,270 |
| Total.....                     | 377,884 | 392,663 | 276,519 | 87,971 | 73,259 | 188,612 | 193,484 | 280,810 | 267,766 | 349,813 | 377,800 |

## OUTLYING DISTRICTS

|                                |         |         |         |         |        |         |         |         |         |         |         |
|--------------------------------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|
| Sockeyes.....                  | 32,902  | 51,980  | 54,677  | 67,156  | 20,665 | 39,991  | 29,084  | 44,057  | 70,737  | 52,628  | 38,330  |
| Springs, red.....              | 5,248   | 5,581   | 7,148   | 8,101   | 2,281  | 1,124   | 1,975   | 2,829   | 1,091   | 899     | 1,946   |
| Springs, standard.....         | —       | —       | —       | —       | —      | 3,421   | 543     | 933     | 2,683   | 1,465   | 2,350   |
| Springs, white.....            | 808     | 3,002   | 7,618   | 7,532   | 2,714  | 443     | 193     | 483     | 945     | 726     | 1,115   |
| Bluebacks and steel-heads..... | 865     | 1,007   | 767     | 3,721   | 2,790  | 409     | 732     | 497     | 1,520   | 1,002   | 965     |
| Cohoos.....                    | 30,201  | 42,331  | 34,936  | 33,807  | 18,203 | 31,331  | 28,709  | 26,031  | 38,112  | 43,467  | 39,598  |
| Pinks.....                     | 112,209 | 201,847 | 110,300 | 247,149 | 14,818 | 113,824 | 146,611 | 141,878 | 118,107 | 179,731 | 35,474  |
| Chums.....                     | 112,364 | 90,464  | 165,717 | 30,946  | 21,412 | 80,485  | 120,999 | 195,357 | 229,240 | 180,363 | 147,251 |
| Total.....                     | 294,597 | 396,212 | 381,163 | 398,412 | 82,883 | 271,028 | 328,846 | 412,065 | 462,435 | 460,281 | 267,029 |

TOTAL SALMON—PACK<sup>1</sup> BY SPECIES

|                                |           |           |           |           |         |           |           |           |           |           |           |
|--------------------------------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| Sockeyes.....                  | 339,848   | 276,459   | 369,445   | 351,405   | 163,914 | 299,614   | 334,647   | 369,603   | 392,518   | 337,012   | 308,052   |
| Springs, red.....              | 48,630    | 65,535    | 73,179    | 95,983    | 36,725  | 21,163    | 17,539    | 17,659    | 30,371    | 32,635    | 27,758    |
| Springs, standard.....         | —         | —         | —         | —         | —       | —         | —         | —         | —         | —         | —         |
| Springs, white.....            | 27,646    | 41,819    | 27,372    | 22,318    | 13,027  | 11,913    | 4,858     | 3,355     | 8,938     | 12,014    | 13,521    |
| Bluebacks and steel-heads..... | —         | —         | —         | —         | —       | 6,520     | 4,745     | 6,442     | 32,745    | 24,530    | 15,239    |
| Cohoos.....                    | 11,740    | 15,916    | 28,816    | 10,456    | 8,280   | 8,088     | 8,857     | 6,078     | 12,462    | 21,301    | 22,512    |
| Cohoos.....                    | 157,589   | 191,068   | 175,670   | 101,972   | 117,288 | 102,845   | 112,044   | 115,722   | 188,874   | 162,449   | 162,732   |
| Pinks.....                     | 496,759   | 527,745   | 346,639   | 520,856   | 192,906 | 531,979   | 440,932   | 657,538   | 446,165   | 773,012   | 247,626   |
| Chums.....                     | 475,273   | 497,615   | 372,035   | 84,626    | 71,408  | 258,204   | 418,055   | 568,916   | 607,209   | 702,237   | 563,194   |
| Total.....                     | 1,557,485 | 1,616,157 | 1,393,156 | 1,187,616 | 603,548 | 1,290,326 | 1,341,677 | 1,745,313 | 1,719,282 | 2,065,190 | 1,360,634 |

TOTAL SALMON—PACK<sup>1</sup> BY DISTRICTS

|                                    |           |           |           |           |         |           |           |           |           |           |           |
|------------------------------------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| Fraser River.....                  | 377,988   | 206,003   | 158,718   | 132,860   | 103,919 | 137,482   | 224,637   | 208,516   | 272,993   | 272,860   | 280,041   |
| Skeena River.....                  | 292,219   | 374,216   | 398,877   | 334,392   | 234,765 | 482,305   | 338,863   | 390,858   | 348,859   | 407,524   | 187,716   |
| Rivers Inlet and Smiths Inlet..... | 95,302    | 103,155   | 80,367    | 152,828   | 56,957  | 86,829    | 127,774   | 114,314   | 197,087   | 108,148   | 98,331    |
| Naas River.....                    | 119,495   | 143,908   | 97,512    | 81,153    | 51,765  | 124,071   | 99,580    | 142,939   | 89,008    | 92,749    | 39,828    |
| Queen Charlotte Islands.....       | —         | —         | —         | —         | —       | —         | 23,493    | 195,811   | 81,134    | 373,815   | 109,889   |
| Vancouver Island.....              | 377,884   | 392,663   | 276,519   | 87,971    | 73,259  | 188,612   | 193,484   | 280,810   | 267,766   | 349,813   | 377,800   |
| Outlying Districts.....            | 294,597   | 396,212   | 381,163   | 398,412   | 82,883  | 271,028   | 328,846   | 412,065   | 462,435   | 460,281   | 267,029   |
| Total.....                         | 1,557,485 | 1,616,157 | 1,393,156 | 1,187,616 | 603,548 | 1,290,326 | 1,341,677 | 1,745,313 | 1,719,282 | 2,065,190 | 1,360,634 |

Standard cases of 48 pounds.

## III. (2) Imports and Exports of Fish and Fish Products

STATEMENT showing the Quantities and Values of Fish and Fish Products Imported into Canada for Consumption during the calendar years, 1926 and 1927.

(Compiled by the External Trade Branch)

| Classification                                                                                   | 1926      |                  | 1927      |                  |
|--------------------------------------------------------------------------------------------------|-----------|------------------|-----------|------------------|
|                                                                                                  | Quantity  | Value            | Quantity  | Value            |
|                                                                                                  |           | \$               |           | \$               |
| Fish and Fish Products—                                                                          |           |                  |           |                  |
| Fish—                                                                                            |           |                  |           |                  |
| Bait, fish, fresh.....lb.                                                                        | -         | -                | 6,000     | 74               |
| Cod, haddock and pollock—                                                                        |           |                  |           |                  |
| Dried.....lb.                                                                                    | 3,938,357 | 211,720          | 8,291,175 | 388,289          |
| Fresh.....lb.                                                                                    | 516,261   | 19,782           | 993,952   | 32,958           |
| Smoked.....lb.                                                                                   | 26,034    | 3,760            | 35,086    | 4,714            |
| Wet salted or pickled.....lb.                                                                    | 262,999   | 12,026           | 3,710,396 | 137,761          |
| Halibut, fresh.....lb.                                                                           | 1,186,721 | 121,596          | 1,815,146 | 194,671          |
| Herrings, canned.....lb.                                                                         | 912,957   | 89,507           | 888,605   | 95,037           |
| Herrings, fresh.....lb.                                                                          | 503,976   | 15,706           | 102,938   | 2,963            |
| Herrings, pickled or salted.....lb.                                                              | 6,893,943 | 290,903          | 6,284,313 | 283,574          |
| Herrings, smoked.....lb.                                                                         | 100,580   | 6,197            | 380,799   | 33,837           |
| Live fish and fish eggs for propagating purposes.....                                            | -         | 8,336            | -         | 5,353            |
| Lobsters, canned, n.o.p.....lb.                                                                  | 252       | 135              | 5,376     | 1,983            |
| Lobsters, fresh.....lb.                                                                          | 3,219     | 1,819            | 3,894     | 2,158            |
| Mackerel, fresh.....lb.                                                                          | 63,328    | 7,224            | 84,348    | 7,428            |
| Mackerel, pickled.....lb.                                                                        | -         | -                | 100       | 5                |
| Oysters, canned, in cans not over one pint.....can                                               | 193,652   | 32,645           | 206,850   | 28,798           |
| Oysters, canned, in cans over one pint but not over one quart.....can                            | 188       | 123              | 867       | 577              |
| Oysters, canned, in cans exceeding one quart.....qt                                              | 1,714     | 1,295            | 2,063     | 1,729            |
| Oysters, in the shell.....bbl.                                                                   | 1,992     | 18,537           | 1,981     | 18,804           |
| Oysters, shelled, in bulk.....gal.                                                               | 116,074   | 301,372          | 122,921   | 310,444          |
| Oysters, prepared or preserved, n.o.p.....lb.                                                    | 15,521    | 9,109            | 19,221    | 14,392           |
| Oysters, seed and breeding, imported for the purpose of being planted in Canadian waters.....    | -         | 6,160            | -         | 4,328            |
| Salmon, canned, prepared or preserved, n.o.p.....lb.                                             | 313,447   | 52,906           | 174,157   | 29,068           |
| Salmon, fresh.....lb.                                                                            | 424,678   | 54,295           | 900,118   | 108,892          |
| Salmon, pickled or salted.....lb.                                                                | 499,019   | 39,127           | 337,779   | 24,410           |
| Salmon, smoked.....lb.                                                                           | 44,628    | 9,587            | 23,225    | 7,819            |
| Sardines, anchovies, sprats, and other fish, packed in oil or otherwise, in tin boxes, weighing— |           |                  |           |                  |
| Over 20 but not over 36 ounces each.....box                                                      | 7,527     | 2,971            | 9,050     | 3,923            |
| Over 12 but not over 20 ounces each.....box                                                      | 56,044    | 12,223           | 53,762    | 14,075           |
| Over 8 but not over 12 ounces.....box                                                            | 71,819    | 11,462           | 52,081    | 9,684            |
| 8 ounces or less.....box                                                                         | 6,230,128 | 456,458          | 7,286,624 | 622,418          |
| Squid.....                                                                                       | -         | 10,808           | -         | 25,04            |
| Other fish—                                                                                      |           |                  |           |                  |
| Dried.....lb.                                                                                    | 371,332   | 99,107           | 381,159   | 99,136           |
| Fresh.....lb.                                                                                    | 1,241,046 | 136,735          | 1,244,346 | 130,931          |
| Pickled or salted.....lb.                                                                        | 1,038,395 | 64,044           | 1,039,629 | 72,928           |
| Preserved in oil, n.o.p.....                                                                     | -         | 44,994           | -         | 56,584           |
| Prepared or preserved, n.o.p.....                                                                | -         | 261,158          | -         | 320,257          |
| Smoked or boneless.....lb.                                                                       | 31,152    | 5,003            | 63,407    | 8,212            |
| Fish Products—                                                                                   |           |                  |           |                  |
| Ambergris.....                                                                                   | -         | 542              | -         | 395              |
| Fish offal or refuse.....cwt.                                                                    | 2,461     | 8,221            | 1,019     | 4,749            |
| Fur skins, undressed, the produce of marine animals.....                                         | -         | 36,942           | -         | 37,805           |
| Oils—                                                                                            |           |                  |           |                  |
| Cod liver oil.....gal.                                                                           | 253,213   | 192,356          | 225,507   | 228,369          |
| Seal oil.....gal.                                                                                | 88,726    | 55,999           | 24,831    | 12,849           |
| Whale and spermaceeti oil.....gal.                                                               | 22,424    | 18,760           | 15,628    | 14,883           |
| Other fish oil.....gal.                                                                          | 24,347    | 19,602           | 39,137    | 32,082           |
| Pearl, mother of, unmanufactured.....                                                            | -         | 16,599           | -         | 25,733           |
| Shells—                                                                                          |           |                  |           |                  |
| Tortoise and other shells, unmanufactured.....                                                   | -         | 793              | -         | 89               |
| Shells, n.o.p., crushed or ground.....                                                           | -         | 114,364          | -         | 113,402          |
| Sponges of marine production.....                                                                | -         | 82,242           | -         | 92,406           |
| Turtles.....                                                                                     | -         | 4,447            | -         | 6,427            |
| Whalebone, unmanufactured.....lb.                                                                | 1,633     | 382              | 2,310     | 669              |
| Other articles, the produce of the fisheries, n.o.p.....                                         | -         | 66,759           | -         | 89,880           |
| <b>Total Fish and Fish Products.....</b>                                                         | <b>-</b>  | <b>3,045,838</b> | <b>-</b>  | <b>3,768,901</b> |

## III. (2) Imports and Exports of Fish and Fish Products—con.

STATEMENT showing the Quantities and Values of Fish and Fish Products of Canadian origin Exported from Canada during the calendar years, 1926 and 1927.

(Compiled by the External Trade Branch)

| Classification                                                        | 1926      |                   | 1927      |                   |
|-----------------------------------------------------------------------|-----------|-------------------|-----------|-------------------|
|                                                                       | Quantity  | Value             | Quantity  | Value             |
|                                                                       |           | \$                |           | \$                |
| Fish and Fish Products—                                               |           |                   |           |                   |
| Fish—                                                                 |           |                   |           |                   |
| Alewives, fresh.....cwt.                                              | 8         | 40                | —         | —                 |
| Alewives, salted.....cwt.                                             | 29,881    | 109,726           | 28,959    | 91,906            |
| Bait fish.....ton                                                     | 1,729     | 40,767            | 1,638     | 45,521            |
| Clams, canned.....cwt.                                                | 8,918     | 154,462           | 9,250     | 131,432           |
| Clams, fresh.....cwt.                                                 | 12,537    | 25,574            | 13,622    | 23,561            |
| Codfish, boneless, canned or preserved, n.o.p.....cwt.                | 20,984    | 210,446           | 18,376    | 183,584           |
| Codfish, dried.....cwt.                                               | 630,584   | 4,995,215         | 605,560   | 4,296,929         |
| Codfish, fresh and frozen.....cwt.                                    | 14,388    | 141,232           | 8,325     | 60,525            |
| Codfish, green-salted (pickled).....cwt.                              | 72,360    | 324,870           | 56,508    | 243,912           |
| Codfish, smoked.....cwt.                                              | 20,533    | 249,974           | 22,864    | 268,133           |
| Eels, fresh.....cwt.                                                  | 13,932    | 193,577           | 9,913     | 127,033           |
| Haddock, canned.....cwt.                                              | 788       | 8,793             | 1,036     | 9,910             |
| Haddock, dried.....cwt.                                               | 34,723    | 204,331           | 27,900    | 157,380           |
| Haddock, fresh and frozen.....cwt.                                    | 4,670     | 41,770            | 2,957     | 22,489            |
| Haddock, smoked.....cwt.                                              | 21,875    | 209,854           | 13,775    | 123,582           |
| Halibut, fresh and frozen.....cwt.                                    | 41,250    | 581,247           | 31,520    | 445,319           |
| Herrings, lake, fresh and frozen.....cwt.                             | 20,721    | 308,316           | 28,620    | 477,046           |
| Herrings, sea, canned.....cwt.                                        | 41,339    | 386,948           | 15,248    | 142,716           |
| Herrings, sea, dry salted.....cwt.                                    | 1,145,356 | 2,137,188         | 1,116,936 | 2,199,440         |
| Herrings, sea, fresh and frozen.....cwt.                              | 290,707   | 324,737           | 263,323   | 215,280           |
| Herrings, sea, pickled.....cwt.                                       | 53,696    | 189,512           | 54,494    | 177,741           |
| Herrings, sea, smoked.....cwt.                                        | 93,347    | 334,315           | 95,297    | 299,922           |
| Lobsters, canned.....cwt.                                             | 52,083    | 3,607,078         | 46,547    | 3,236,281         |
| Lobsters, fresh.....cwt.                                              | 47,369    | 1,349,701         | 46,627    | 1,485,392         |
| Mackerel, fresh and frozen.....cwt.                                   | 27,383    | 173,150           | 20,038    | 152,634           |
| Mackerel, pickled.....cwt.                                            | 65,129    | 418,053           | 43,334    | 298,439           |
| Oysters, fresh.....cwt.                                               | 1,424     | 10,143            | 1,566     | 11,445            |
| Pilchards, canned.....cwt.                                            | 10,090    | 95,171            | 13,903    | 128,040           |
| Pollock, hake and cusk, boneless, canned or preserved, n.o.p.....cwt. | 84        | 621               | 344       | 1,838             |
| Pollock, hake and cusk, dried.....cwt.                                | 50,677    | 299,026           | 43,397    | 235,591           |
| Pollock, hake and cusk, fresh and frozen.....cwt.                     | 3,361     | 10,249            | 821       | 2,100             |
| Pollock, hake and cusk, green-salted.....cwt.                         | 7,351     | 17,218            | 9,162     | 19,792            |
| Pollock, hake and cusk, smoked.....cwt.                               | 164       | 1,733             | 70        | 913               |
| Salmon, canned.....cwt.                                               | 597,593   | 9,438,587         | 549,235   | 8,930,709         |
| Salmon, dry salted (chum).....cwt.                                    | 156,285   | 573,052           | 96,083    | 361,332           |
| Salmon, fresh and frozen.....cwt.                                     | 77,869    | 1,073,347         | 78,218    | 982,992           |
| Salmon, pickled.....cwt.                                              | 22,776    | 481,298           | 24,326    | 528,158           |
| Salmon, smoked.....cwt.                                               | 105       | 2,032             | 90        | 1,881             |
| Salmon, or lake trout, fresh.....cwt.                                 | 38,323    | 427,794           | 46,578    | 515,833           |
| Sardines (little fish in oil) (a).....cwt.                            | —         | —                 | 43,180    | 396,331           |
| Shell fish, other, fresh.....cwt.                                     | —         | 125,868           | 8,134     | 153,709           |
| Smelts, fresh.....cwt.                                                | 89,871    | 1,192,154         | 61,574    | 876,635           |
| Sturgeon, fresh and frozen.....cwt.                                   | 2,805     | 120,536           | 2,898     | 132,682           |
| Swordfish, fresh.....cwt.                                             | 10,614    | 173,075           | 6,585     | 102,849           |
| Tongues and sounds.....cwt.                                           | 342       | 4,514             | 664       | 3,778             |
| Tullibee, fresh.....cwt.                                              | 66,110    | 453,581           | 87,498    | 465,791           |
| Whale meat, canned or preserved, n.o.p.....cwt.                       | 33        | 127               | 108       | 1,080             |
| Whitefish, fresh.....cwt.                                             | 125,317   | 1,455,493         | 112,810   | 1,332,346         |
| Other fresh water fish, fresh and frozen.....cwt.                     | 300,938   | 2,515,715         | 322,795   | 2,607,860         |
| Other fresh water fish, salted, dried, smoked or pickled.....cwt.     | —         | —                 | 10        | 113               |
| Other sea fish, fresh and frozen.....cwt.                             | 14,663    | 115,675           | 7,703     | 60,679            |
| Other sea fish, salted, dried, smoked, or pickled.....cwt.            | 3,174     | 19,309            | 1,049     | 8,769             |
| Other sea fish, canned or preserved.....cwt.                          | 1,090     | 9,415             | 527       | 7,163             |
| Fish Products—                                                        |           |                   |           |                   |
| Fish offal or refuse.....cwt.                                         | 98,491    | 251,399           | 25,859    | 62,217            |
| Oils—                                                                 |           |                   |           |                   |
| Cod liver oil.....gal.                                                | 286,944   | 179,614           | 243,394   | 161,809           |
| Seal oil.....gal.                                                     | 11,879    | 6,739             | 11,801    | 5,327             |
| Whale oil.....gal.                                                    | 370,190   | 169,426           | 280,358   | 112,964           |
| Other fish oil.....gal.                                               | 1,688,078 | 696,774           | 1,700,958 | 657,948           |
| Seal skins, undressed.....no.                                         | 6,994     | 54,589            | 40,151    | 112,352           |
| Other articles of the fisheries.....                                  | —         | 394,395           | —         | 915,315           |
| <b>Total Fish and Fish Products.....</b>                              | <b>—</b>  | <b>37,089,545</b> | <b>—</b>  | <b>34,814,448</b> |

(a) Nine months figures.

### III. (2) Imports and Exports of Fish and Fish Products—con.

STATEMENT showing Quantities of the Principal Fish and Fish Products of Canadian origin exported from Canada during the calendar year, 1927

(Compiled by the External Trade Branch)

| Countries to which Exported | Alewives |           | Clams  |       | Codfish                               |         |                  |                        |        | Eels, fresh | Fish offal or refuse | Haddock |       |                  |        | Hali- but fresh and frozen |
|-----------------------------|----------|-----------|--------|-------|---------------------------------------|---------|------------------|------------------------|--------|-------------|----------------------|---------|-------|------------------|--------|----------------------------|
|                             | Salted   | Bait fish | Canned | Fresh | Boneless, canned or preserved, n.o.p. | Dried   | Fresh and frozen | Green-salted (pickled) | Smoked |             |                      | Canned  | Dried | Fresh and frozen | Smoked |                            |
|                             | cwt.     | ton       | cwt.   | cwt.  | cwt.                                  | cwt.    | cwt.             | cwt.                   | cwt.   | cwt.        | cwt.                 | cwt.    | cwt.  | cwt.             | cwt.   | cwt.                       |
| United Kingdom.....         | -        | -         | -      | -     | -                                     | 3,482   | 20               | -                      | -      | 189         | 1,008                | -       | 10    | 2                | -      | -                          |
| Irish Free State.....       | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Aden.....                   | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Africa, British East.....   | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Africa, British South.....  | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Africa, British West—       | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Gambia.....                 | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Gold Coast.....             | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Nigeria.....                | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Sierra Leone.....           | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Other.....                  | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Bermuda.....                | -        | -         | 2      | -     | 12                                    | 2,088   | -                | -                      | 7      | -           | -                    | -       | 9     | 2                | 150    | -                          |
| British East Indies—        | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| British India.....          | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Ceylon.....                 | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Straits Settlements.....    | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Other.....                  | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| British Guiana.....         | 90       | -         | -      | -     | -                                     | 6,511   | -                | -                      | 1      | -           | -                    | -       | 174   | -                | 17     | -                          |
| British Honduras.....       | -        | -         | 2      | -     | -                                     | 311     | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| British West Indies—        | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Barbados.....               | 33       | -         | -      | -     | -                                     | 10,954  | 10               | -                      | -      | 1           | 5                    | -       | 448   | 2                | 12     | -                          |
| Jamaica.....                | 7,878    | -         | -      | -     | -                                     | 55,009  | -                | 45                     | -      | -           | -                    | -       | 972   | -                | -      | -                          |
| Trinidad and Tobago.....    | 20       | -         | -      | -     | 7                                     | 37,011  | -                | -                      | 58     | -           | -                    | -       | 1,537 | -                | 2      | -                          |
| Other.....                  | 770      | -         | -      | -     | -                                     | 4,410   | -                | -                      | -      | -           | -                    | -       | 335   | -                | 1      | -                          |
| Gibraltar.....              | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Hong Kong.....              | -        | -         | -      | -     | -                                     | -       | 1                | -                      | -      | -           | -                    | -       | -     | -                | 42     | 100                        |
| Iraq (Mesopotamia).....     | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Malta.....                  | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Newfoundland.....           | -        | 6         | -      | -     | -                                     | 10,348  | -                | 12                     | -      | -           | 2                    | -       | 5     | -                | 37     | -                          |
| Oceania—                    | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Australia.....              | -        | -         | 37     | -     | 309                                   | -       | 100              | -                      | 60     | -           | -                    | -       | -     | -                | 64     | 135                        |
| Fiji.....                   | -        | -         | -      | -     | -                                     | -       | -                | -                      | 4      | -           | -                    | -       | -     | -                | 2      | 2                          |
| New Zealand.....            | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Other.....                  | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Palestine.....              | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Argentina.....              | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Austria.....                | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Belgium.....                | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Belgian Congo.....          | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Bolivia.....                | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Brazil.....                 | -        | -         | -      | -     | -                                     | 37,205  | -                | -                      | -      | -           | -                    | -       | 128   | -                | -      | -                          |
| Chile.....                  | -        | -         | -      | -     | -                                     | 146     | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| China.....                  | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | 4      | -                          |
| Colombia.....               | -        | -         | -      | -     | -                                     | -       | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Costa Rica.....             | 2        | -         | -      | -     | 1                                     | 3,619   | -                | -                      | -      | -           | -                    | -       | -     | -                | -      | -                          |
| Cuba.....                   | 16       | -         | 16     | -     | 9                                     | 110,423 | -                | -                      | -      | -           | -                    | -       | 3,084 | -                | -      | -                          |

|                              |        |       |       |        |        |         |       |        |        |       |        |       |        |       |        |
|------------------------------|--------|-------|-------|--------|--------|---------|-------|--------|--------|-------|--------|-------|--------|-------|--------|
| Czecho-Slovakia.....         | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Denmark.....                 | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Ecuador.....                 | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Egypt.....                   | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Finland.....                 | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| France.....                  | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| French Africa.....           | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| French East Indies.....      | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| French Oceania.....          | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| French West Indies.....      | -      | -     | -     | -      | -      | 393     | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| St. Pierre and Miquelon..... | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Germany.....                 | -      | -     | -     | -      | -      | -       | -     | -      | 1,632  | -     | -      | -     | -      | -     | -      |
| Greece.....                  | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Guatemala.....               | 5,980  | -     | -     | -      | -      | 60      | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Haiti.....                   | -      | -     | -     | -      | -      | 2,432   | -     | -      | -      | -     | -      | 5     | -      | -     | -      |
| Hungary.....                 | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Italy.....                   | -      | -     | -     | -      | -      | 70,289  | -     | -      | -      | -     | -      | 1,761 | -      | -     | -      |
| Japan.....                   | -      | -     | -     | -      | -      | -       | -     | 3      | -      | 6,190 | -      | -     | -      | -     | 20     |
| Korea.....                   | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Jugo Slavia.....             | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Liberia.....                 | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Mexico.....                  | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Morocco.....                 | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Netherlands.....             | -      | -     | -     | -      | -      | -       | -     | -      | 211    | -     | -      | -     | -      | -     | -      |
| Dutch East Indies.....       | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Dutch Guiana.....            | 1,776  | -     | -     | -      | -      | 371     | -     | -      | -      | -     | -      | 2,828 | -      | -     | -      |
| Dutch West Indies.....       | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Nicaragua.....               | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Norway.....                  | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Panama.....                  | 7      | -     | -     | -      | -      | 8,700   | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Persia.....                  | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Peru.....                    | -      | -     | -     | -      | -      | 11,591  | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Portugal.....                | -      | -     | -     | -      | -      | 112     | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Azores and Madeira.....      | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Portuguese Africa.....       | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Portuguese Asia.....         | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Roumania.....                | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Salvador.....                | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| San Domingo.....             | 14     | -     | -     | -      | -      | 343     | -     | 5      | -      | -     | -      | 5,232 | -      | -     | -      |
| Siam.....                    | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Spain.....                   | -      | -     | -     | -      | -      | 567     | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Canary Islands.....          | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Spanish Africa.....          | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Sweden.....                  | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Switzerland.....             | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | 22    | -      | -     | -      |
| Syria.....                   | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Turkey.....                  | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| United States.....           | 12,363 | 1,532 | 9,192 | 13,621 | 18,038 | 126,496 | 8,194 | 50,446 | 22,700 | 7,880 | 18,654 | 1,014 | 8,644  | 2,951 | 13,389 |
| Alaska.....                  | -      | -     | 1     | 1      | -      | -       | -     | -      | 21     | -     | -      | -     | -      | -     | 21     |
| American Virgin Islands..... | 10     | -     | -     | -      | -      | 64      | -     | -      | -      | -     | -      | -     | 9      | -     | -      |
| Hawaii.....                  | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | 3      |
| Philippine Islands.....      | -      | -     | -     | -      | -      | -       | -     | -      | 1      | -     | -      | -     | -      | -     | 2      |
| Porto Rico.....              | -      | -     | -     | -      | -      | 101,611 | -     | -      | -      | -     | -      | -     | 2,719  | -     | -      |
| Uruguay.....                 | -      | -     | -     | -      | -      | -       | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Venezuela.....               | -      | -     | -     | -      | -      | 114     | -     | -      | -      | -     | -      | -     | -      | -     | -      |
| Total Export.....            | 28,959 | 1,538 | 9,250 | 13,622 | 18,376 | 605,560 | 8,325 | 56,508 | 22,804 | 9,913 | 25,859 | 1,036 | 27,000 | 2,957 | 13,775 |
| To British Empire.....       | 8,791  | 6     | 41    | -      | 328    | 131,024 | 131   | 57     | 130    | 190   | 1,015  | 1,036 | 3,490  | 6     | 336    |
| To Foreign Countries.....    | 20,168 | 1,532 | 9,209 | 13,622 | 18,048 | 474,536 | 8,194 | 56,451 | 22,734 | 9,723 | 24,844 | -     | 24,410 | 2,951 | 13,439 |

\* Less than 1 cwt.

### III. (2) Imports and Exports of Fish and Fish Products—con.

STATEMENT showing Quantities of the Principal Fish and Fish Products of Canadian origin exported from Canada during the calendar year, 1927—con.

146

| Countries to which Exported | Herrings,<br>Lake      | Herrings, Sea |               |                        |         |        | Lobsters |       | Mackerel               |         | Shell Fish        |                 | Pilehards,<br>canned |
|-----------------------------|------------------------|---------------|---------------|------------------------|---------|--------|----------|-------|------------------------|---------|-------------------|-----------------|----------------------|
|                             | Fresh<br>and<br>frozen | Canned        | Dry<br>salted | Fresh<br>and<br>frozen | Pickled | Smoked | Canned   | Fresh | Fresh<br>and<br>frozen | Pickled | Oysters,<br>fresh | Other,<br>fresh |                      |
|                             | cwt.                   | cwt.          | cwt.          | cwt.                   | cwt.    | cwt.   | cwt.     | cwt.  | cwt.                   | cwt.    | cwt.              | cwt.            | cwt.                 |
| United Kingdom.....         | -                      | 23            | -             | -                      | -       | 45     | 24,390   | -     | -                      | -       | -                 | -               | -                    |
| Irish Free State.....       | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Aden.....                   | -                      | 2             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Africa, British East.....   | -                      | 74            | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Africa, British South.....  | -                      | 1,369         | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | 48                   |
| Africa, British West—       | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Gambia.....                 | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Gold Coast.....             | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Nigeria.....                | -                      | 50            | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Sierra Leone.....           | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Other.....                  | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Bermuda.....                | -                      | 29            | -             | -                      | 14      | 132    | 10       | -     | -                      | 159     | -                 | -               | 5                    |
| British East Indies—        | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| British India.....          | -                      | 240           | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Ceylon.....                 | -                      | -             | -             | -                      | -       | 9      | -        | -     | -                      | -       | -                 | -               | 1,230                |
| Straits Settlements.....    | -                      | 446           | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Other.....                  | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | 326                  |
| British Guiana.....         | -                      | 804           | -             | -                      | 659     | 1,092  | 24       | -     | -                      | 4,022   | 6                 | -               | -                    |
| British Honduras.....       | -                      | 28            | -             | -                      | -       | 12     | -        | -     | -                      | 2       | -                 | -               | -                    |
| British West Indies—        | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Barbados.....               | -                      | 240           | -             | -                      | 1,846   | 1,182  | -        | -     | -                      | 117     | -                 | -               | -                    |
| Jamaica.....                | -                      | 1,322         | -             | -                      | 20,774  | 347    | -        | -     | -                      | 27,425  | -                 | -               | -                    |
| Trinidad and Tobago.....    | -                      | 747           | 1             | -                      | 577     | 47,618 | -        | -     | -                      | 69      | -                 | -               | 6                    |
| Other.....                  | -                      | 296           | -             | -                      | 4,041   | 2,047  | -        | -     | -                      | 775     | -                 | 1               | -                    |
| Gibraltar.....              | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | 2               | -                    |
| Hong Kong.....              | -                      | 18            | 282,548       | 318                    | -       | 81     | -        | -     | -                      | -       | -                 | -               | -                    |
| Iraq (Mesopotamia).....     | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Malta.....                  | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Newfoundland.....           | -                      | 81            | -             | 97                     | -       | 103    | 4        | -     | -                      | -       | 33                | -               | -                    |
| Oceania—                    | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Australia.....              | -                      | 168           | -             | 66                     | -       | 38     | 17       | -     | -                      | -       | -                 | -               | 6,093                |
| Fiji.....                   | -                      | 100           | -             | -                      | -       | 4      | -        | -     | -                      | -       | -                 | -               | 538                  |
| New Zealand.....            | -                      | 96            | -             | -                      | -       | -      | 42       | -     | -                      | -       | -                 | -               | 1,818                |
| Other.....                  | -                      | 86            | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | 777                  |
| Palestine.....              | -                      | -             | -             | -                      | -       | -      | 59       | -     | -                      | -       | -                 | -               | -                    |
| Argentina.....              | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Austria.....                | -                      | -             | -             | -                      | -       | -      | 565      | -     | -                      | -       | -                 | -               | -                    |
| Belgium.....                | -                      | 465           | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Belgian Congo.....          | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Bolivia.....                | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Brazil.....                 | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | 48                   |
| Chile.....                  | -                      | 12            | 480,657       | -                      | 195     | 5      | -        | -     | -                      | -       | -                 | -               | -                    |
| China.....                  | -                      | 460           | -             | -                      | 330     | 45     | -        | -     | -                      | 239     | -                 | -               | -                    |
| Colombia.....               | -                      | -             | -             | -                      | 18      | 3,423  | -        | -     | -                      | 22      | -                 | -               | -                    |
| Costa Rica.....             | -                      | 2,977         | -             | -                      | -       | -      | 83       | -     | -                      | -       | -                 | -               | -                    |
| Cuba.....                   | -                      | -             | -             | -                      | -       | -      | 1,198    | -     | -                      | -       | -                 | -               | -                    |
| Czecho-Slovakia.....        | -                      | -             | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |
| Denmark.....                | -                      | 542           | -             | -                      | -       | -      | -        | -     | -                      | -       | -                 | -               | -                    |



|                              |        |         |           |         |        |        |        |        |        |        |       |       |                 |
|------------------------------|--------|---------|-----------|---------|--------|--------|--------|--------|--------|--------|-------|-------|-----------------|
| Ecuador.....                 | 80     | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | 24 <sup>0</sup> |
| Egypt.....                   | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Finland.....                 | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | 2               |
| France.....                  | -      | -       | -         | -       | -      | 1,185  | -      | -      | -      | -      | -     | -     | -               |
| French Africa.....           | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| French East Indies.....      | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| French Oceania.....          | -      | -       | -         | 2       | 22     | -      | -      | -      | -      | -      | -     | -     | -               |
| French West Indies.....      | -      | -       | -         | -       | -      | 8      | -      | -      | -      | -      | 50    | -     | -               |
| St. Pierre and Miquelon..... | -      | -       | -         | -       | -      | 363    | -      | -      | -      | -      | -     | -     | -               |
| Germany.....                 | -      | -       | -         | -       | -      | 22     | -      | -      | -      | -      | -     | -     | -               |
| Greece.....                  | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | 73              |
| Guatemala.....               | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | 10    | -     | -               |
| Haiti.....                   | -      | -       | -         | -       | -      | 135    | -      | -      | -      | -      | 10    | -     | -               |
| Hungary.....                 | 164    | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Italy.....                   | 40     | -       | -         | -       | -      | 56     | -      | -      | -      | -      | -     | -     | -               |
| Japan.....                   | -      | 335,729 | -         | -       | -      | 10     | -      | -      | -      | -      | -     | -     | -               |
| Korea.....                   | -      | 5,600   | -         | 34      | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Jugo-Slavia.....             | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Liberia.....                 | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Mexico.....                  | 2,500  | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | 426             |
| Morocco.....                 | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Netherlands.....             | 860    | -       | -         | -       | -      | 37     | -      | -      | -      | -      | -     | -     | -               |
| Dutch East Indies.....       | 58     | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Dutch Guiana.....            | 40     | -       | 6         | 384     | -      | -      | -      | -      | 10     | -      | -     | -     | 53              |
| Dutch West Indies.....       | 92     | -       | -         | 1       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Nicaragua.....               | 20     | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Norway.....                  | -      | -       | -         | -       | -      | 267    | -      | -      | -      | -      | -     | -     | -               |
| Panama.....                  | 50     | -       | -         | 9       | 64     | -      | -      | -      | -      | 1,034  | -     | -     | -               |
| Persia.....                  | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Peru.....                    | -      | -       | -         | 50      | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Portugal.....                | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Azores and Madeira.....      | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Portuguese Africa.....       | 70     | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Portuguese Asia.....         | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Roumania.....                | -      | -       | -         | -       | -      | 115    | -      | -      | -      | -      | -     | -     | -               |
| Salvador.....                | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| San Domingo.....             | 444    | -       | -         | 45      | 2,151  | -      | -      | -      | -      | 644    | -     | -     | -               |
| Siam.....                    | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Spain.....                   | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Canary Islands.....          | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Spanish Africa.....          | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Sweden.....                  | -      | -       | -         | -       | -      | 3,525  | -      | -      | -      | -      | -     | -     | -               |
| Switzerland.....             | -      | -       | -         | -       | -      | 16     | -      | -      | -      | -      | -     | -     | -               |
| Syria.....                   | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Turkey.....                  | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| United States.....           | 28,620 | 6,401   | 263,342   | 23,806  | 35,352 | 14,607 | 46,627 | 20,038 | 8,757  | 1,451  | 8,134 | 2,226 | -               |
| Alaska.....                  | -      | -       | -         | 32      | 4      | -      | -      | -      | -      | 24     | -     | -     | -               |
| American Virgin Islands..... | -      | -       | -         | -       | 1      | -      | -      | -      | -      | -      | -     | -     | -               |
| Hawaii.....                  | -      | -       | -         | -       | 1      | -      | -      | -      | -      | -      | 11    | -     | -               |
| Philippine Islands.....      | -      | -       | -         | 2,055   | 911    | -      | -      | -      | -      | 24     | -     | -     | -               |
| Porto Rico.....              | -      | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Uruguay.....                 | -      | -       | -         | -       | 14     | 10     | -      | -      | -      | -      | -     | -     | 24              |
| Venezuela.....               | 40     | -       | -         | -       | -      | -      | -      | -      | -      | -      | -     | -     | -               |
| Total Exports.....           | 28,620 | 15,248  | 1,116,936 | 263,823 | 54,404 | 95,297 | 46,547 | 46,627 | 20,038 | 43,334 | 1,566 | 8,134 | 13,903          |
| To British Empire.....       | -      | 6,334   | 282,540   | 481     | 27,911 | 52,710 | 24,487 | -      | -      | 32,560 | 42    | -     | 10,811          |
| To Foreign Countries.....    | 28,620 | 8,914   | 834,387   | 263,342 | 26,533 | 42,537 | 22,060 | 46,627 | 20,038 | 10,774 | 1,524 | 8,134 | 3,092           |

\* Less than 1 cwt.

### [III. (2) Imports and Exports of Fish and Fish Products—con.]

STATEMENT showing Quantities of the Principal Fish and Fish Products of Canadian Origin exported from Canada during the calendar year, 1927—con.

| Countries to which Exported | Pollock, hake and eusk                |       |                  |              |        | Salmon  |                   |                  |         |        | Salmon or lake trout, fresh | Sardines (little fish in oil) (a) | Smelts, fresh | Sturgeon, fresh | Sword-fish, fresh | Tongues and sounds | Tullibee, fresh | Whale meat, canned or preserved, n.o.p. |
|-----------------------------|---------------------------------------|-------|------------------|--------------|--------|---------|-------------------|------------------|---------|--------|-----------------------------|-----------------------------------|---------------|-----------------|-------------------|--------------------|-----------------|-----------------------------------------|
|                             | Boneless, canned or preserved, n.o.p. | Dried | Fresh and frozen | Green salted | Smoked | Canned  | Dry-salted (chum) | Fresh and frozen | Pickled | Smoked |                             |                                   |               |                 |                   |                    |                 |                                         |
|                             | cwt.                                  | cwt.  | cwt.             | cwt.         | cwt.   | cwt.    | cwt.              | cwt.             | cwt.    | cwt.   | cwt.                        | cwt.                              | cwt.          | cwt.            | cwt.              | cwt.               | cwt.            | cwt.                                    |
| United Kingdom.....         | -                                     | -     | -                | -            | -      | 128,887 | -                 | 11,500           | 150     | -      | -                           | 292                               | -             | -               | -                 | -                  | -               | -                                       |
| Irish Free State.....       | -                                     | -     | -                | -            | -      | 744     | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Aden.....                   | -                                     | -     | -                | -            | -      | 36      | -                 | -                | -       | -      | -                           | 2                                 | -             | -               | -                 | -                  | -               | -                                       |
| Africa, British East.....   | -                                     | -     | -                | -            | -      | 626     | -                 | -                | -       | -      | -                           | 200                               | -             | -               | -                 | -                  | -               | -                                       |
| Africa, British South.....  | -                                     | -     | -                | -            | -      | 18,822  | -                 | -                | -       | -      | -                           | 2,724                             | -             | -               | -                 | -                  | -               | -                                       |
| Africa, British West—       | -                                     | -     | -                | -            | -      | -       | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Gambia.....                 | -                                     | -     | -                | -            | -      | 24      | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Gold Coast.....             | -                                     | -     | -                | -            | -      | 10,937  | -                 | -                | -       | -      | -                           | 40                                | -             | -               | -                 | -                  | -               | -                                       |
| Nigeria.....                | -                                     | -     | -                | -            | -      | 8,778   | -                 | -                | -       | -      | -                           | 200                               | -             | -               | -                 | -                  | -               | -                                       |
| Sierra Leone.....           | -                                     | -     | -                | -            | -      | 535     | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Other.....                  | -                                     | -     | -                | -            | -      | 29      | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Bermuda.....                | -                                     | 66    | -                | -            | -      | 122     | -                 | 23               | 36      | -      | -                           | 171                               | -             | -               | -                 | 5                  | -               | -                                       |
| British East Indies—        | -                                     | -     | -                | -            | -      | -       | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| British India.....          | -                                     | -     | -                | -            | -      | 2,344   | -                 | -                | -       | -      | -                           | 510                               | -             | -               | -                 | -                  | -               | -                                       |
| Ceylon.....                 | -                                     | -     | -                | -            | -      | 2,228   | -                 | -                | -       | -      | -                           | 80                                | -             | -               | -                 | -                  | -               | -                                       |
| Straits Settlements.....    | -                                     | -     | -                | -            | -      | 11,108  | -                 | -                | -       | -      | -                           | 294                               | -             | -               | -                 | -                  | -               | -                                       |
| Other.....                  | -                                     | -     | -                | -            | -      | -       | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| British Guiana.....         | -                                     | 5,955 | -                | -            | -      | 1,049   | -                 | 3                | 311     | -      | -                           | 1,234                             | -             | -               | -                 | -                  | -               | -                                       |
| British Honduras.....       | -                                     | -     | -                | -            | -      | 90      | -                 | -                | 8       | -      | -                           | 115                               | -             | -               | -                 | -                  | -               | -                                       |
| British West Indies—        | -                                     | -     | -                | -            | -      | -       | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Barbados.....               | -                                     | 244   | -                | -            | -      | 1,039   | -                 | 9                | 477     | -      | -                           | 919                               | -             | -               | -                 | -                  | -               | -                                       |
| Jamaica.....                | -                                     | 3,298 | -                | -            | -      | 1,908   | -                 | -                | 772     | -      | -                           | 5,913                             | -             | -               | -                 | 1                  | -               | -                                       |
| Trinidad and Tobago.....    | -                                     | 1,197 | -                | -            | -      | 2,918   | -                 | -                | 592     | -      | -                           | 3,487                             | -             | -               | -                 | -                  | -               | -                                       |
| Other.....                  | -                                     | 9,567 | -                | -            | -      | 551     | 2                 | 1                | 166     | -      | -                           | 1,050                             | -             | -               | -                 | 1                  | -               | -                                       |
| Gibraltar.....              | -                                     | -     | -                | -            | -      | 71      | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Hong Kong.....              | -                                     | -     | -                | -            | -      | 577     | 108               | 164              | -       | -      | -                           | 150                               | 16            | -               | -                 | -                  | -               | -                                       |
| Iraq (Mesopotamia).....     | -                                     | -     | -                | -            | -      | 26      | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Malta.....                  | -                                     | -     | -                | -            | -      | 690     | -                 | -                | 222     | -      | -                           | 141                               | -             | -               | -                 | -                  | -               | -                                       |
| Newfoundland.....           | -                                     | -     | -                | -            | -      | -       | -                 | -                | -       | -      | -                           | 186                               | -             | -               | -                 | -                  | -               | -                                       |
| Oceania—                    | -                                     | -     | -                | -            | -      | -       | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Australia.....              | -                                     | -     | -                | -            | -      | 81,105  | -                 | 232              | 129     | 72     | -                           | 1,897                             | -             | -               | -                 | -                  | -               | -                                       |
| Fiji.....                   | -                                     | -     | -                | -            | -      | 7,901   | -                 | 3                | -       | 1      | -                           | 122                               | -             | -               | -                 | -                  | -               | -                                       |
| New Zealand.....            | -                                     | -     | -                | -            | -      | 18,254  | -                 | 110              | -       | -      | -                           | 1,450                             | -             | -               | -                 | -                  | -               | -                                       |
| Other.....                  | -                                     | -     | -                | -            | -      | 1,013   | -                 | -                | -       | -      | -                           | 6                                 | -             | -               | -                 | -                  | -               | -                                       |
| Palestine.....              | -                                     | -     | -                | -            | -      | 374     | -                 | -                | -       | -      | -                           | 72                                | -             | -               | -                 | -                  | -               | -                                       |
| Argentina.....              | -                                     | -     | -                | -            | -      | 751     | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Austria.....                | -                                     | -     | -                | -            | -      | -       | -                 | -                | -       | -      | -                           | 1,600                             | -             | -               | -                 | -                  | -               | -                                       |
| Belgium.....                | -                                     | -     | -                | -            | -      | 19,348  | -                 | -                | -       | -      | -                           | 1,080                             | -             | -               | -                 | -                  | -               | -                                       |
| Belgian Congo.....          | -                                     | -     | -                | -            | -      | 69      | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Bolivia.....                | -                                     | -     | -                | -            | -      | 1,185   | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Brazil.....                 | -                                     | 2,508 | -                | -            | -      | 19      | -                 | -                | -       | -      | -                           | -                                 | -             | -               | -                 | -                  | -               | -                                       |
| Chile.....                  | -                                     | -     | -                | -            | -      | 13,516  | -                 | -                | -       | -      | -                           | 52                                | -             | -               | -                 | -                  | -               | -                                       |
| China.....                  | -                                     | -     | -                | -            | -      | 129     | -                 | 50               | -       | -      | -                           | 179                               | -             | -               | -                 | -                  | -               | -                                       |
| Colombia.....               | -                                     | -     | -                | -            | -      | 2,803   | -                 | -                | -       | -      | -                           | 280                               | -             | -               | -                 | -                  | -               | -                                       |
| Costa Rica.....             | -                                     | -     | -                | -            | -      | 740     | -                 | -                | 13      | -      | -                           | 10                                | -             | -               | -                 | -                  | -               | -                                       |

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(a) Nine months' figures.

### III. (2) Imports and Exports of Fish and Fish Products—concluded

STATEMENT showing Quantities of the Principal Fish and Fish Products of Canadian Origin exported from Canada during the calendar year, 1927—concluded

| Countries to which Exported | White fish,<br>fresh | Other fresh water fish |                                           | Other sea fish      |                                           |                                      | Cod liver<br>oil | Fish oil,<br>other | Seal<br>oil | Whale<br>oil | Seal skins,<br>undressed |
|-----------------------------|----------------------|------------------------|-------------------------------------------|---------------------|-------------------------------------------|--------------------------------------|------------------|--------------------|-------------|--------------|--------------------------|
|                             |                      | Fresh<br>and frozen    | Salted,<br>dried,<br>smoked or<br>pickled | Fresh<br>and frozen | Pickled,<br>salted,<br>smoked<br>or dried | Canned<br>or<br>preserved,<br>n.o.p. |                  |                    |             |              |                          |
|                             | cwt.                 | cwt.                   | cwt.                                      | cwt.                | cwt.                                      | cwt.                                 | gal.             | gal.               | gal.        | gal.         | no.                      |
| United Kingdom.....         | -                    | -                      | -                                         | 405                 | 35                                        | 11                                   | -                | 9,000              | -           | -            | 2,560                    |
| Irish Free State.....       | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Aden.....                   | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Africa, British East.....   | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Africa, British South.....  | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Africa, British West—       | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Gambia.....                 | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Gold Coast.....             | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Nigeria.....                | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Sierra Leone.....           | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Other.....                  | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Bermuda.....                | -                    | -                      | -                                         | 10                  | 5                                         | 3                                    | -                | -                  | -           | -            | -                        |
| British East Indies—        | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| British India.....          | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Ceylon.....                 | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Straits Settlements.....    | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Other.....                  | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| British Guiana.....         | -                    | -                      | -                                         | -                   | 4                                         | -                                    | -                | -                  | -           | -            | -                        |
| British Honduras.....       | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| British West Indies—        | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Barbados.....               | -                    | -                      | -                                         | -                   | 6                                         | -                                    | -                | -                  | -           | -            | -                        |
| Jamaica.....                | -                    | -                      | -                                         | -                   | -                                         | 5                                    | 48               | -                  | -           | -            | -                        |
| Trinidad and Tobago.....    | -                    | -                      | -                                         | -                   | 14                                        | -                                    | -                | -                  | -           | -            | -                        |
| Other.....                  | -                    | -                      | -                                         | -                   | 78                                        | -                                    | -                | -                  | -           | -            | -                        |
| Gibraltar.....              | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Hong Kong.....              | -                    | -                      | -                                         | 3                   | 22                                        | -                                    | -                | -                  | -           | -            | -                        |
| Iraq (Mesopotamia).....     | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Malta.....                  | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Newfoundland.....           | -                    | -                      | -                                         | 2                   | 24                                        | -                                    | 13,198           | -                  | -           | -            | 23,367                   |
| Oceania.....                | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Australia.....              | -                    | -                      | -                                         | -                   | 50                                        | 57                                   | -                | -                  | -           | -            | -                        |
| Fiji.....                   | -                    | -                      | -                                         | -                   | 2                                         | -                                    | -                | -                  | -           | -            | -                        |
| New Zealand.....            | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Other.....                  | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Palestine.....              | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Argentina.....              | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Austria.....                | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Belgium.....                | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Belgian Congo.....          | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Bolivia.....                | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Brazil.....                 | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Chile.....                  | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| China.....                  | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Colombia.....               | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |
| Costa Rica.....             | -                    | -                      | -                                         | -                   | -                                         | -                                    | -                | -                  | -           | -            | -                        |

|                              |         |         |    |       |       |     |         |           |        |         |        |
|------------------------------|---------|---------|----|-------|-------|-----|---------|-----------|--------|---------|--------|
| Cuba.....                    | -       | -       | -  | 18    | 76    | 11  | 192     | -         | -      | -       | -      |
| Czecho-Slovakia.....         | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Denmark.....                 | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Ecuador.....                 | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Egypt.....                   | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Finland.....                 | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| France.....                  | -       | -       | -  | -     | -     | 1   | -       | -         | -      | -       | -      |
| French Africa.....           | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| French East Indies.....      | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| French Oceania.....          | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| French West Indies.....      | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| St. Pierre and Miquelon..... | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Germany.....                 | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Greece.....                  | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Guatemala.....               | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Haiti.....                   | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Hungary.....                 | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Italy.....                   | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Japan.....                   | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Korea.....                   | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Jugo-Slavia.....             | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Liberia.....                 | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Mexico.....                  | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Morocco.....                 | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Netherlands.....             | -       | -       | -  | -     | -     | 1   | -       | -         | -      | -       | -      |
| Dutch East Indies.....       | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Dutch Guiana.....            | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Dutch West Indies.....       | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Nicaragua.....               | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Norway.....                  | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Panama.....                  | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Persia.....                  | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Peru.....                    | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Portugal—                    | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Azores and Madeira.....      | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Portuguese Africa.....       | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Portuguese Asia.....         | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Roumania.....                | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Salvador.....                | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| San Domingo.....             | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Siam.....                    | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Spain.....                   | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Canary Islands.....          | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Spanish Africa.....          | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Sweden.....                  | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Switzerland.....             | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Syria.....                   | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Turkey.....                  | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| United States.....           | 112,810 | 322,795 | 10 | 7,265 | 723   | 435 | 229,956 | 1,691,958 | 11,801 | 280,358 | 12,224 |
| Alaska.....                  | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| American Virgin Islands..... | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Hawaii.....                  | -       | -       | -  | -     | -     | 5   | -       | -         | -      | -       | -      |
| Philippine Islands.....      | -       | -       | -  | -     | -     | 2   | -       | -         | -      | -       | -      |
| Porto Rico.....              | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Uruguay.....                 | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Venezuela.....               | -       | -       | -  | -     | -     | -   | -       | -         | -      | -       | -      |
| Total Exports.....           | 112,810 | 322,795 | 10 | 7,703 | 1,049 | 527 | 243,394 | 1,700,958 | 11,501 | 280,358 | 40,151 |
| To British Empire.....       | -       | -       | -  | 420   | 240   | 76  | 13,246  | 9,000     | -      | -       | 27,927 |
| To Foreign Countries.....    | 112,810 | 322,795 | 10 | 7,283 | 809   | 451 | 230,148 | 1,691,958 | 11,801 | 280,358 | 12,224 |

### III. (3) Detailed Statement of Fishing Bounties Paid to Vessels and Boats for the year 1927

| County                       | No. of Vessels | Tonnage       | Average Tonnage | No. of Men   | Amount Paid      | No. of Boats | No. of Men    | Amount Paid       | Total Bounty Paid to Vessels and Boats |
|------------------------------|----------------|---------------|-----------------|--------------|------------------|--------------|---------------|-------------------|----------------------------------------|
|                              |                |               |                 |              | \$ cts.          |              |               | \$ cts.           | \$ cts.                                |
| <b>Prince Edward Island—</b> |                |               |                 |              |                  |              |               |                   |                                        |
| Kings.....                   | —              | —             | —               | 1            | 7 50             | 257          | 347           | 2,537 20          | 2,544 70                               |
| Prince.....                  | 1              | 12            | 12              | 1            | 20 00            | 574          | 1,091         | 7,585 35          | 7,605 35                               |
| Queens.....                  | 2              | 24            | 12              | 4            | 56 00            | 133          | 269           | 1,889 40          | 1,945 40                               |
| <b>Total.....</b>            | <b>3</b>       | <b>36</b>     | <b>12</b>       | <b>6</b>     | <b>83 50</b>     | <b>964</b>   | <b>1,707</b>  | <b>12,011 95</b>  | <b>12,095 45</b>                       |
| <b>Nova Scotia—</b>          |                |               |                 |              |                  |              |               |                   |                                        |
| Annapolis.....               | 1              | 15            | 15              | 5            | 55 00            | 141          | 225           | 1,626 00          | 1,681 00                               |
| Antigonosh.....              | —              | —             | —               | —            | —                | 130          | 171           | 1,254 60          | 1,254 60                               |
| Cape Breton.....             | 27             | 430           | 16              | 108          | 1,294 00         | 298          | 542           | 3,874 20          | 5,168 20                               |
| Cumberland.....              | —              | —             | —               | —            | —                | 2            | 3             | 21 80             | 21 80                                  |
| Digby.....                   | —              | —             | —               | —            | —                | 314          | 518           | 3,729 80          | 3,729 80                               |
| Guysborough.....             | 23             | 382           | 17              | 114          | 1,294 00         | 535          | 852           | 6,158 20          | 7,452 20                               |
| Halifax.....                 | 68             | 1,036         | 15              | 284          | 3,308 00         | 855          | 1,117         | 8,225 20          | 11,533 20                              |
| Inverness.....               | 4              | 47            | 11              | 19           | 199 00           | 223          | 463           | 3,195 80          | 3,394 80                               |
| Kings.....                   | —              | —             | —               | —            | —                | 37           | 53            | 386 80            | 386 80                                 |
| Lunenburg.....               | 136            | 7,454         | 55              | 1,881        | 22,501 50        | 426          | 513           | 3,810 80          | 26,312 30                              |
| Pictou.....                  | —              | —             | —               | —            | —                | 13           | 19            | 138 40            | 138 40                                 |
| Queens.....                  | 14             | 220           | 15              | 72           | 796 00           | 138          | 244           | 1,748 40          | 2,544 40                               |
| Richmond.....                | 13             | 182           | 14              | 41           | 505 00           | 336          | 583           | 4,180 80          | 4,685 80                               |
| Shelburne.....               | 20             | 553           | 28              | 163          | 1,857 00         | 444          | 819           | 5,848 40          | 7,705 40                               |
| Victoria.....                | 8              | 115           | 14              | 35           | 393 50           | 218          | 328           | 2,401 00          | 2,794 50                               |
| Yarmouth.....                | 8              | 428           | 53              | 119          | 1,380 00         | 122          | 273           | 1,923 80          | 3,303 80                               |
| <b>Total.....</b>            | <b>322</b>     | <b>10,862</b> | <b>34</b>       | <b>2,841</b> | <b>33,583 00</b> | <b>4,232</b> | <b>6,723</b>  | <b>48,524 00</b>  | <b>82,107 00</b>                       |
| <b>New Brunswick—</b>        |                |               |                 |              |                  |              |               |                   |                                        |
| Charlotte.....               | 1              | 12            | 12              | 2            | 27 00            | 233          | 397           | 2,849 20          | 2,876 20                               |
| Gloucester.....              | 198            | 3,256         | 16              | 853          | 10,079 00        | 312          | 767           | 5,366 20          | 15,445 20                              |
| Kent.....                    | 4              | 42            | 10              | 9            | 114 00           | 82           | 144           | 1,031 40          | 1,145 40                               |
| Northumberland.....          | 5              | 51            | 10              | 13           | 153 00           | —            | 1             | 5 60              | 158 60                                 |
| Restigouche.....             | 1              | 10            | 10              | 3            | 34 00            | 5            | 8             | 57 80             | 91 80                                  |
| St. John.....                | —              | —             | —               | —            | —                | 18           | 26            | 189 60            | 189 60                                 |
| <b>Total.....</b>            | <b>209</b>     | <b>3,371</b>  | <b>16</b>       | <b>880</b>   | <b>10,407 00</b> | <b>650</b>   | <b>1,343</b>  | <b>9,499 80</b>   | <b>19,906 80</b>                       |
| <b>Quebec—</b>               |                |               |                 |              |                  |              |               |                   |                                        |
| Bonaventure.....             | 3              | 33            | 11              | 8            | 97 00            | 484          | 842           | 5,985 20          | 6,082 20                               |
| Gaspé.....                   | 6              | 84            | 14              | 26           | 292 00           | 2,106        | 4,212         | 29,846 85         | 30,138 85                              |
| Matane.....                  | —              | —             | —               | —            | —                | 90           | 130           | 944 00            | 944 00                                 |
| Saguenay.....                | —              | —             | —               | —            | —                | 540          | 1,004         | 7,101 50          | 7,101 50                               |
| <b>Total.....</b>            | <b>9</b>       | <b>117</b>    | <b>13</b>       | <b>34</b>    | <b>389 00</b>    | <b>3,220</b> | <b>6,188</b>  | <b>43,877 55</b>  | <b>44,266 55</b>                       |
| <b>Grand Total.....</b>      | <b>543</b>     | <b>14,386</b> | <b>26</b>       | <b>3,761</b> | <b>44,462 50</b> | <b>9,066</b> | <b>15,961</b> | <b>113,913 30</b> | <b>158,375 80</b>                      |

CANADA  
BUREAU FÉDÉRAL DE LA STATISTIQUE  
SECTION DES PÊCHERIES

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# STATISTIQUE DES PÊCHERIES

1927

(En collaboration avec les Services des Pêcheries du  
Gouvernement Fédéral et des Provinces)

Publié par ordre de l'hon. James Malcolm, M.P.,  
Ministre du Commerce



OTTAWA  
F. A. ACLAND  
IMPRIMEUR DE SA TRÈS EXCELLENTE MAJESTÉ LE ROI  
1928

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## PRÉFACE

Ce rapport est publié en vertu d'une entente, établissant la coopération en matière de statistique, intervenue entre le Bureau Fédéral de la Statistique et les différents services gouvernementaux ayant juridiction sur les pêcheries canadiennes. Ces services comprennent: la Direction des pêcheries du ministère de la Marine et des Pêcheries, qui exerce sa juridiction sur les pêcheries des provinces maritimes, des provinces des prairies et de la Colombie Britannique; et les Divisions des Pêcheries des provinces d'Ontario et de Québec, qui régissent les pêcheries de leurs provinces respectives, sauf les pêcheries des îles de la Madeleine, en Québec, lesquelles sont sous la juridiction de la Direction des pêcheries du Dominion. La Colombie Britannique possède une Division des Pêcheries, mais cet organisme ne s'occupe pas de statistique pour son propre compte.

En vertu de l'arrangement dont il est parlé plus haut, les statistiques du poisson pêché et des produits offerts en vente à l'état frais ou après une préparation sommaire sont recueillies par les fonctionnaires locaux des services des pêcheries, vérifiées et condensées au ministère de la Marine et des Pêcheries, puis compilées au Bureau Fédéral de la Statistique. En ce qui concerne le poisson industriellement préparé et ses sous-produits, des formules similaires à celles en usage dans le recensement des autres branches de production sont envoyées directement par le Bureau aux poissonneries, établissements de salaison, de conserve de poisson, etc., les fonctionnaires des services des pêcheries s'assurant que ces formules sont consciencieusement remplies et promptement retournées. Les fonctionnaires des gouvernements provinciaux voudront bien accepter nos remerciements pour le concours qu'ils nous ont prêté.

R. H. COATS,  
*Statisticien du Dominion.*

BUREAU FÉDÉRAL DE LA STATISTIQUE,  
OTTAWA, 30 juillet 1928.

## LES PÊCHERIES DU CANADA

**Le début des pêcheries.**—La pêche est l'une des plus anciennes industries du Canada. Les Normands, les Bretons et les Basques pêchaient la morue à Terre-Neuve dès avant la découverte de l'Amérique. Lorsqu'en 1498 le continent nord-américain s'offrit à la vue de Cabot, ce navigateur lui donna le nom de «Bacalaos», nom basque de la morue que ces rudes pêcheurs poursuivaient déjà. Cap-Breton, l'un des plus anciens noms géographiques de l'Amérique, est un autre souvenir des premiers pêcheurs Français, que les Espagnols et les Portugais ne tardèrent pas à suivre. Fernandez de Navarete nous apprend que des pêcheurs de ces trois nationalités fréquentaient le Grand Banc en 1502. La pêche se pratiquait au moyen de lignes à main, les pêcheurs se tenant dans des barils fixés à l'extérieur du passavant pour éviter le contact des lignes avec les flancs du navire; les bateaux de pêche se livraient à leurs opérations tant que durait le beau temps, puis s'en retournaient en France avec leurs prises de 30,000 à 50,000 morues. Les voyages entrepris le long du littoral démontrèrent bientôt que la morue était aussi abondante en vue du rivage que sur les bancs lointains; les équipages s'accoutumèrent alors à jeter l'ancre dans une baie, à construire une hutte sur la grève et à faire dans leurs petites chaloupes des excursions quotidiennes, dont le produit était salé et séché à terre, puis expédié en France à la fin de la saison. Lorsqu'il remonta le Saint-Laurent, en 1534, Jacques Cartier trouva partout les traces du passage de ces «capitaines courageux» et de leurs rivalités, lesquelles s'exerçaient aussi bien dans des rencontres armées que dans la capture du poisson qui les avait attirés si loin de chez eux. Chauvin fonda un établissement de cette sorte à Tadoussac, en 1599. Bientôt après les pêcheurs s'habituaient à passer l'hiver en Amérique et à y construire de véritables villages. La première concession de pêche fut octroyée par le roi de France à de Monts, en 1603. On peut donc considérer la pêche comme la première industrie à laquelle se soient livrés systématiquement les Européens au Canada; depuis ces temps lointains elle n'a jamais cessé de donner sa récolte annuelle, tant à l'Europe qu'à l'Amérique.

Le traité d'Utrecht de 1713 attribua Terre-Neuve à la Grande-Bretagne, dépossédant la France de son droit de pêcher et de faire sécher le poisson sur certaines sections du littoral de cette île, mais la France conserva les pêcheries de Cap-Breton et celles du golfe. La guerre de Sept ans (1756-63) interrompit les opérations de pêche sur une vaste échelle. Lorsqu'elle se termina, la famille Robin, de Jersey, vint au Canada et au moyen d'acquisitions graduelles s'empara de toutes les anciennes stations de pêche françaises. Jusqu'à l'arrivée des Loyalistes, les pêcheurs s'étaient occupés exclusivement de la morue. Seules les pêcheries côtières étaient exploitées durant cette phase, y compris celles du littoral du Labrador; ce ne fut qu'en 1873 qu'un navire de pêche en haute mer sortit du port de Lunenburg, qui est maintenant le centre principal de la grande pêche.

**Lieux de pêche du Canada.**—Les pêcheries canadiennes sont probablement les plus vastes de l'univers. Sur l'Atlantique, depuis Grand Manan jusqu'au Labrador, le rivage mesure plus de 5,000 milles, à l'exclusion des anses et échan-crures qui le dentellent. La baie de Fundy, avec 8,000 milles carrés, le golfe Saint-Laurent, dix fois plus grand, et d'autres eaux océaniques représentent ensemble environ 200,000 milles carrés, c'est-à-dire plus des quatre-cinquièmes des pêcheries du nord de l'Atlantique. De plus, l'on compte sur les bords de l'Atlantique 15,000 milles carrés d'eaux territoriales sous le contrôle absolu de la Puissance. Mais ces vastes étendues ne représentent qu'une partie des eaux canadiennes. La baie d'Hudson, dont les côtes s'étendent sur une longueur de 6,000 milles, est plus grande que la Méditerranée; sur le Pacifique, le littoral canadien mesure 7,180 milles; ses baies et fiords innombrables offrent aux pêcheurs une multitude d'abris très sûrs. Enfin, disséminés sur tout le territoire, s'égrènent une série de lacs qui, tous ensemble, contiennent plus de la moitié des eaux douces du globe, la part du

Canada dans les grands lacs seulement couvrant plus de 34,000 milles carrés, auxquels viennent s'ajouter le lac Winnipeg (9,457 milles carrés), le lac Manitoba et de nombreux autres non moins vastes.

Mais la qualité des produits des pêcheries canadiennes est encore plus remarquable. Chacun sait que l'excellence de la chair du poisson est en proportion directe de la pureté et de la fraîcheur des eaux qu'il habite. Considérés sous cet angle, la morue, l'églefin, le hareng, le maquereau, le poisson blanc et le saumon du Canada n'ont pas de rivaux dans l'univers. Il est donc évident que les plus magnifiques pêcheries de l'hémisphère occidentale, sinon du globe, appartiennent au Canada.

Le bref exposé qui précède démontre qu'il est impossible d'envisager les pêcheries canadiennes sous un unique aspect; embrassant tout un continent, elles offrent nécessairement une grande diversité. Laissant de côté les immenses étendues de la baie d'Hudson et de la région Arctique qui s'étend depuis l'Ungava jusqu'à l'Alaska, lesquelles, outre la baleine, donnent asile à de nombreux poissons comestibles, on peut diviser ainsi qu'il suit les pêcheries canadiennes:

1. PÊCHERIES DE L'ATLANTIQUE.—Elles sont les premières en date, et jusqu'en 1918 elles furent les plus importantes par la valeur de leurs produits. On y prend la morue, le flétan, l'églefin, le merlan, le hareng, le maquereau, le homard, l'huître et le phoque. Le golfe et les eaux intérieures des provinces maritimes et de Québec sont quelquefois considérés distinctement; mais en les réunissant, la liste ci-dessus s'accroîtrait du saumon, de l'aloose, du gasparot, de l'éperlan, du bar, du tacaud, de la truite et du maskinongé. Les opérations de pêche sont communément considérées sous deux aspects distincts, la pêche hauturière ou de haute mer et la pêche côtière. Cette dernière se pratique au moyen de petites embarcations, le plus souvent automotrices, montées par deux ou trois hommes; on y emploie aussi de petits navires dont l'équipage se compose de quatre à sept hommes. Les engins de pêche le plus fréquemment employés sont les rets à mailles, les lignes à main et les chaluts; d'autre part, on dispose le long du rivage des filets, des seines et des nasses. La pêche à l'églefin est aussi importante que celle de la morue; pendant le printemps et l'été ce poisson est ouvert et salé mais la meilleure saison est à l'automne, le poisson étant alors vendu frais ou bien fumé, sous le nom de «finnan haddie». La pêche en haute mer se pratique au moyen de navires de 40 à 100 tonnes, portant de douze à vingt hommes, qui pêchent dans les doris au moyen de lignes de fond. Les flottilles fréquentent tour à tour les différents bancs de pêche, tel que le Grand Banc, le Banc Intermédiaire et le Banquereau. Ces navires, construits sur place, restent quelquefois plusieurs mois en mer; les naufrages sont rares, tant est grande l'habileté de leurs équipages. A leur retour, le poisson, qui a été vidé et salé à bord, est débarqué, lavé et séché. Les Antilles sont le principal débouché de ce produit; aucune autre morue ne pourrait supporter le climat tropical aussi bien que celle préparée par les pêcheurs de la Nouvelle-Ecosse. De grands chalutiers à vapeur, tels que ceux en usage dans la mer du Nord, ont été introduits depuis plusieurs années dans les pêcheries canadiennes du littoral de l'Atlantique; on compte actuellement onze de ces navires appartenant aux ports de la Nouvelle-Ecosse. Ils se livrent à la pêche presque toute l'année; leurs prises approvisionnent le commerce de poisson frais.

La pêche au homard est également une industrie caractéristique. En 1870, il n'existait que trois homarderies sur le littoral de l'Atlantique; en 1927 on en comptait 438, occupant environ 6,180 personnes; 30,000,000 de homards constituent une prise normale. L'un des constants problèmes de cette industrie, c'est d'assurer l'exécution des dispositions prohibant la capture des jeunes homards et des adultes au moment du frai; on croit toutefois avoir mis un frein au déclin de la production. L'huître, qui pullulait autrefois tout le long du rivage, est maintenant moins abondante. La mise en boîte des sardines, qui sont de jeunes harengs, occupe au Nouveau-Brunswick un rang égal à l'industrie du homard.

Les pêcheurs des provinces maritimes constituent une population industrielle spécialisée. La pêche côtière s'y pratique d'avril à novembre, et même en janvier, dans les districts abrités et, quoique les plus grands navires travaillent pendant

tout l'hiver, plusieurs milliers d'hommes sont disponibles à certaines moments de l'année pour d'autres travaux. Les uns cultivent des petites parcelles de terre entourant leurs maisons, les autres travaillent dans les chantiers de bois du Nouveau-Brunswick ou bien dans les charbonnages de la Nouvelle-Ecosse. Quelques pêcheurs de Lunenburg et d'ailleurs font du négoce avec les Antilles. Outre l'oisiveté forcée résultant soit du mauvais temps, soit de la fermeture de la pêche, la méthode consistant à rémunérer les pêcheurs au moyen d'une part de la prise tend à les pousser vers des occupations secondaires, surtout dans les mauvaises années.

En vue de remédier aux défauts de cette méthode, une loi de la législature provinciale de la Nouvelle-Ecosse, passée en 1905, permit aux pêcheurs de se syndiquer et organisa dans la province des «stations» affiliées à un organisme central; les pêcheurs syndiqués devaient se réunir annuellement pour la discussion des problèmes communs, tels que les facilités de transport, l'approvisionnement des cordages, les prix, les méthodes de prise et de préparation du poisson, etc. Plusieurs congrès successifs eurent lieu. Le Nouveau-Brunswick adopta une législation similaire. Mais ce mouvement fut éphémère. Après quelques années d'existence on vit les syndicats se dissoudre. Actuellement, chacun pêche pour son propre compte sans se soucier des autres patrons ou compagnies.

2. PÊCHERIES INTÉRIEURES.—Les grands lacs et les eaux tributaires du St-Laurent constituent une seconde grande division des pêcheries canadiennes. Le poisson blanc, la truite, la sandre et le hareng des lacs sont les poissons les plus importants d'Ontario, commercialement parlant, quoique le brochet, l'esturgeon et quelques autres poissons ne soient pas à dédaigner. La valeur des pêcheries intérieures de Québec se compose principalement de produits de la pêche à l'anguille et au doré. L'histoire de la pêche dans les grands lacs peut se résumer en deux mots; une destruction en masse suivie d'une lente résurrection aidée par la pisciculture. Un seul bateau de pêche pouvait autrefois prendre 90,000 poissons blancs dans sa journée; dans la rivière Détroit, on avait l'habitude de refouler le poisson dans des viviers où on le prenait ou bien où il périssait par centaines de milliers, étant alors utilisé comme engrais. Mais ce système eut tôt fait de dépeupler les eaux et de démoraliser ce commerce. Dans les grands lacs la saison de pêche dure de six à huit mois; quelques pêcheurs continuent leurs opérations durant l'hiver en creusant des trous dans la glace, mais le plus grand nombre cherche une autre occupation dans l'intermède des saisons. En se dirigeant plus à l'ouest, le lac Winnipeg, le lac Winnipegosis, le lac Manitoba et des lacs plus petits au nord et à l'est de celui-ci, fournissent la plupart des poissons du Manitoba. Le poisson blanc et la sandre sont les principaux d'entre eux, mais le brochet, le tullipi, l'œil d'or et nombre d'autres variétés s'y trouvent à profusion. En Saskatchewan et en Alberta, la pêche pour le commerce est confinée aux régions situées au nord de la rivière Saskatchewan où l'on prend de grandes quantités de poisson blanc. Le problème des transports devient particulièrement aigu; quelques-uns des plus grands lacs du continent, les lacs Reindeer, Athabaska, Grand Esclave, Grand Ours et des centaines de lacs plus petits n'ont aucune communication avec les marchés de consommation. Toutefois, les lacs de l'ouest ont joué le même rôle que le Saint-Laurent dans les temps du régime français et que les bancs de morue dans l'histoire de la Nouvelle-Angleterre, en facilitant la colonisation du pays, puisqu'ils offrent un aliment certain aux colons nouvellement arrivés.

3. PÊCHERIES DU PACIFIQUE.—La Colombie Britannique possède des pêcheries d'eau douce presque similaires à celles de la région des prairies; il est douteux que le commerce des fourrures (qui devait être l'agent de liaison entre cette province et le reste du Canada à travers les Montagnes Rocheuses) eût pu s'établir au commencement de l'histoire de cette province si ces pêcheries n'avaient pas existé. Les pêcheries de la Colombie Britannique sont d'une grande richesse; elles représentent environ les deux cinquièmes de l'industrie poissonnière du Canada et ses produits se consomment jusqu'aux extrémités de la terre; ils sont essentiellement constitués par le saumon pêché à l'embouchure du fleuve Fraser, de la Skeena, de la

Naas et d'autres rivières descendant du versant occidental des montagnes. Chacune des variétés de ce roi des poissons comestibles (qui toutefois n'est pas le vrai saumon) fréquentant les eaux du Pacifique, se trouve sur le littoral de la Colombie Britannique, c'est-à-dire le sockeye ou dos bleu, le saumon de printemps, le saumon argenté, le saumon rose et le saumon bécard. Entre tous ceux-ci, le dos bleu est de beaucoup le plus important, tant en raison de son abondance que de l'excellence de sa chair, dont la belle couleur rougeâtre est tant appréciée des consommateurs de la Grande-Bretagne. Le fleuve Fraser était autrefois la principale source d'approvisionnement de saumon, mais sa production est aujourd'hui dépassée par celle de la rivière Skeena et de ses tributaires septentrionaux; la prise varie considérablement d'année en année. La remontée du saumon commence vers la fin de juillet et atteint son apogée dans les premières semaines d'août; néanmoins, les régions septentrionales ont une saison quelque peu hâtive. Le saumon de printemps ou quinnat est un très gros poisson; c'est la première espèce qui fut mise en boîte aux Etats-Unis; la migration de ce poisson s'opère au commencement du printemps et se continue jusqu'en juillet. Le saumon argenté est plus petit; comme le dos bleu, il voyage par bandes innombrables, pendant septembre et octobre dans le fleuve Fraser, et un peu plus tôt dans les cours d'eau plus au nord. Le saumon bécard est salé pour l'exportation en Orient et une quantité considérable est aussi mise en boîte. Le saumon rose, lui aussi, suit le dos bleu. Le plus grand nombre de personnes qu'occupe cette pêche sont des Chinois, des Japonais et des Indiens, l'élément chinois étant prépondérant dans les usines, tandis que les Indiens et les Japonais se consacrent plutôt aux opérations de pêche. Jusqu'à ces dernières années, les autres pêcheries côtières de la Colombie Britannique étaient négligées. Le flétan abonde à hauteur de l'île Vancouver et entre les îles de la Reine Charlotte et le continent; quoique la première tentative d'exploitation industrielle de ce poisson ait avorté, dès 1903 la Colombie Britannique contribuait pour 10,000,000 de livres à la production de 25,000,000 de livres pêchées sur le littoral du Pacifique, au nord de la Californie, chiffre qui a triplé depuis lors. Semblablement, la pêche au hareng ne s'est développée que tout récemment. Signalons aussi la pêche à la baleine, industrie récemment implantée et possédant deux stations dans les îles Reine Charlotte. On prend annuellement des céacés de différentes sortes; baleines franches, rorquals, dauphins et même parfois des cachalots. La pêche à la baleine se pratique dans des bateaux rapides armés de canons lance-harpon Svend Foyn, système venu de Norvège. Aucune partie de la baleine ne se perd, l'huile, les fanons et la poudre en sont les produits les plus importants. Le cabillaud, l'oulachon, l'éperlan, le pilchard, l'esturgeon, l'aloise et le bar sont également abondants dans les eaux de la Colombie Britannique.

Ajoutons un mot concernant les pêcheries du phoque à fourrure du Pacifique, dont le siège historique était autrefois à Victoria. Cette industrie est à peu près disparue, tant à cause de la raréfaction de ces animaux que par l'effet du traité de 1911. La flottille qui poursuit le phoque à fourrure dans le nord de l'Atlantique a ses quartiers généraux à St-John, Terre-Neuve.

**Le sport de la pêche.**—Nous n'avons envisagé jusqu'ici les pêcheries qu'au point de vue purement industriel et commercial; mais le sport lui-même comporte un aspect économique dans un pays où foisonnent des poissons aussi réputés que le saumon de la Restigouche, l'achigan de Québec et des hautes terres d'Ontario et la truite de la Nipigon. Le gouvernement perçoit des revenus fort élevés en louant soit à des clubs, soit à des particuliers, le droit de pêche dans les lacs et les cours d'eau des contrées les moins peuplées; d'autre part, des centaines de guides y trouvent une occupation rémunératrice pendant les mois d'été.

**Le gouvernement et les pêcheries.**—Au début de la Confédération, le gouvernement fédéral administrait directement la marine et les pêcheries du Canada; un ministre du Cabinet exerçait cette juridiction au moyen d'un personnel considérable d'inspecteurs, de surveillants et de gardes-pêche. Pendant l'année fiscale terminée le 31 mars 1928, le gouvernement fédéral a dépensé pour les pêcheries,

\$1,894,362 et les revenus qui en découlent se sont élevés à \$234,855. Des décisions judiciaires intervenues en 1882, 1898, 1913 et 1920 ont sensiblement modifié la juridiction du gouvernement fédéral à l'avantage des provinces. Aujourd'hui, la Puissance contrôle directement les pêcheries en eau salée des provinces maritimes et de la Colombie Britannique et les pêcheries d'eau douce des trois provinces des prairies. Les pêcheries intérieures des provinces maritimes et d'Ontario et les pêcheries tant en eau douce qu'en eau salée de la province de Québec sont contrôlées par ces provinces respectivement, mais le gouvernement fédéral possède seul le droit de légiférer sur toutes les matières concernant la pêche dans toutes les parties du pays.

**Conservation.**—Les pêcheries fluviales et lacustres incontestablement, et les pêcheries maritimes probablement, si elles étaient abandonnées à elles-mêmes, subiraient la loi économique de l'appauvrissement. Pour combattre cette tendance le gouvernement canadien dut légiférer, interdisant la pêche en certaines saisons, la pollution des rivières et l'obstruction de leur cours; il dut aussi spécifier les dimensions des mailles des filets, réglementer les agrès et les opérations de pêche. En outre, il a été créé un système de pisciculture qui possède aujourd'hui 25 frayères, 6 viviers auxiliaires et 4 bassins à saumon, ayant coûté \$349,141 en 1927, et distribuant 295,283,782 œufs, alevins et poissons par année, principalement le saumon de la Colombie Britannique et le poisson blanc. Ces alevins sont distribués gratuitement et placés dans les eaux qui leur conviennent le mieux.

**Recherches scientifiques.**—Des stations, où l'on procède à des recherches biologiques sur les problèmes aussi nombreux que complexes que présentent les pêcheries, et placées sous la direction de la Commission Biologique du Canada, sont établies à St-Andrews, N.-B., et à Nanaimo, C.B. Les universités de Toronto, McGill, Queens', du Manitoba, de la Colombie Britannique et les principales institutions des provinces maritimes détachent à chacune de ces stations, soit des professeurs, soit des spécialistes et techniciens. Parmi les problèmes pratiques que l'on y a abordés citons entre autres: l'histoire naturelle des poissons comestibles, la bactériologie du poisson, soit frais, soit préparé, l'amélioration des méthodes de manipulation et de préparation du poisson, etc. Des mémoires scientifiques et des rapports sont publiés chaque saison.

**Aide directe.**—Quant au reste, le gouvernement s'est efforcé d'apporter son aide aux pêcheries lorsqu'il s'est agi de résoudre des cas spéciaux et de surmonter des difficultés particulières. Afin d'encourager la capture de la rousette ou chien de mer, on a exploité pendant quelques années des manufactures ayant pour objet l'utilisation de ce poisson. Pendant quelque temps, un technicien fut chargé de démontrer la méthode écossaise de saurissage du hareng, en vue d'améliorer les procédés de manipulation en usage au Canada. Conformément aux dispositions de la loi sur l'inspection du poisson, des instructeurs enseignent depuis plusieurs années à la population côtière les méthodes les plus perfectionnées de préparation du poisson, de fabrication des barils et caques et d'inspection des produits séchés ou fumés. Un bulletin trimestriel traitant des pêcheries maritimes est publié pour le bénéfice du commerce. Finalement, une petite flottille de canonnières armées circule constamment le long des côtes et sur les grands lacs, pourchassant les braconniers et faisant appliquer les règlements.

Pendant la guerre, on s'est efforcé d'augmenter autant que possible la consommation de poisson, afin d'économiser les autres aliments plus facilement exportables chez nos alliés. À cette fin, le gouvernement établit un service de transport du poisson par grande vitesse dans des wagons réfrigérateurs sur son réseau, depuis le littoral jusqu'aux grandes villes de l'intérieur; de plus, il s'efforça de stimuler la consommation du poisson au moyen d'une active propagande. Les résultats n'ont pas été négligeables puisqu'aujourd'hui la consommation de poisson au Canada dépasse 22 livres par bouche.\* Le gouvernement s'est aussi préoccupé d'améliorer le service de trains rapides transportant le poisson depuis la côte de l'Atlantique jusqu'à Montréal et Toronto.

\* On arrive à cette estimation en additionnant le poisson importé au poisson pris au pays, puis en soustrayant la quantité exportée.

**Problèmes internationaux.**—Une région de pêche aussi riche que celle du nord de l'Atlantique ne pouvait manquer d'attirer les pêcheurs d'autres pays et d'anciennes coutumes se transformèrent en droits acquis, dont quelques-uns durent encore, notamment le séchage de leurs prises par les pêcheurs Français sur les rives de Terre-Neuve. Autrement grave est la question des droits des Etats-Unis dont les pêcheurs, durant la période coloniale, approvisionnaient de poisson la Nouvelle-Angleterre et à qui le traité de Versailles de 1783 reconnut le droit de pêcher dans les eaux côtières du Canada. La guerre de 1812 leur fit perdre cette prérogative, si bien qu'après 1818, les Etats-Unis n'avaient d'autres droits que ceux de faire escale dans les ports canadiens pour s'y abriter ou s'y approvisionner de bois ou d'eau, ou y réparer leurs embarcations; de pêcher autour des îles de la Madeleine et sur la rive nord du golfe St-Laurent, à l'est de Pointe-Jolie; enfin de faire sécher et de préparer leur poisson dans les havres, baies et anses non habitées de cette partie de la rive nord. L'interprétation des clauses du traité de 1818 souleva maintes querelles apaisées par le traité de réciprocité (1854-1866). Par ce dernier traité, le poisson canadien et ses sous-produits entraient en franchise aux Etats-Unis et vice versa; de plus, les pêcheurs des Etats-Unis obtenaient le droit de pêche dans les eaux territoriales canadiennes de l'Atlantique, les pêcheurs canadiens étant autorisés à pêcher dans certaines eaux territoriales des Etats-Unis, sur le même littoral, à l'exclusion dans les deux cas des cours d'eau et de leurs estuaires. Les crustacés, mollusques et coquillages étaient exceptés. Le traité de Washington de 1871 confirma le traité de réciprocité de 1854 en ce qui concerne les pêcheries et pourvut à la nomination d'une commission d'arbitrage devant déterminer le chiffre de l'indemnité à payer par les Etats-Unis à la Grande-Bretagne, en raison des concessions par elle consenties. Cette commission siégea à Halifax en 1877 et y rendit une sentence arbitrale fixant cette indemnité à \$5,500,000, dont \$1,000,000 étaient attribués à Terre-Neuve. Cependant, en 1885, les Etats-Unis dénoncèrent les clauses de ce traité se rapportant à la pêche et cette action fut suivie d'une période de graves désagréments entre les deux pays. Une convention signée en 1888 porte le nom de «Traité non ratifié de 1888». Les plénipotentiaires qui l'ont négocié étaient tombés d'accord sur les points suivants: les bateaux de pêche des Etats-Unis recevraient annuellement et gratuitement des licences les autorisant à pénétrer dans les ports canadiens, à y acheter des provisions et des agrès, à transborder leurs prises et à embarquer des équipages. C'est ce traité qui donna naissance aux «licences de *modus vivendi*». Les négociateurs du traité ayant reconnu qu'il ne pouvait être ratifié par les deux gouvernements avant l'ouverture de la saison de pêche, décidèrent, comme mesure transitoire et ne devant pas durer plus de deux ans, que les bateaux de pêche des Etats-Unis, sur paiement d'un droit de \$1.50 par tonneau, pourraient exiger l'émission d'une licence leur accordant le bénéfice des dispositions ci-dessus énumérées. Le Sénat des Etats-Unis rejeta ce traité; néanmoins, le gouvernement canadien continua à émettre des «licences du *modus vivendi*» jusqu'en 1918, date à laquelle des arrangements furent faits assurant des privilèges réciproques aux pêcheurs des deux pays dans les ports de leur voisin, mais les effets de cette entente—qui était une mesure spéciale de guerre du gouvernement des Etats-Unis—cessèrent le premier juillet 1921. L'année suivante, on dut recourir de nouveau aux «licences du *modus vivendi*», mais à la fin de 1923 elles disparurent. Depuis lors, on est revenu aux dispositions du traité de 1818.

Dans les grands lacs également les problèmes les plus importants, tels que le repeuplement et la disposition du poisson, ont nécessairement un caractère international et se compliquent du nombre des Etats intéressés. Une situation analogue s'est créée en Colombie Britannique, où les industriels de Puget Sound capturent le saumon dos bleu du fleuve Fraser en quantités beaucoup plus considérables que les pêcheurs du Canada et ce, au moyen de pièges et autres méthodes interdites dans les eaux canadiennes. En 1906, une commission internationale fit le premier pas vers une entente sur cette question vitale; en 1922 une commission parlementaire recommandait la prohibition de la pêche de ce saumon dans les eaux du Fraser, pendant cinq ans, comme mesure de conservation.

La pêche au flétan de notre côté du Pacifique ne peut se faire que par les ports du Canada ou des Etats-Unis, mais comme elle se pratique principalement en dehors des eaux territoriales, aucun des deux pays ne pouvait la contrôler seul. En même temps, il est de l'intérêt des deux pays de la maintenir florissante et permanente. C'est pourquoi l'étude des moyens à adopter pour la protection de ce poisson a été confiée à la conférence canado-américaine des pêcheries nommée en 1918 par les deux pays pour étudier toutes les questions relatives à la pêche et pendantes entre les deux pays. En 1922, le Canada a proposé que la question du flétan fût étudiée séparément. La suggestion ayant été bien accueillie, il en est résulté le traité du 2 mars 1923 «pour la protection du flétan du Pacifique». En vertu de ce traité, la pêche du flétan est interdite depuis le 16 novembre de chaque année jusqu'au 15 février inclusivement de l'année suivante.

**Primes.**—Une conséquence indirecte mais fort importante du traité de Washington subsiste encore aujourd'hui. Une loi de 1882 (45 Vict., c. 18) pour le développement des pêcheries maritimes et l'encouragement à la construction des navires de pêche, a consacré une somme annuelle de \$150,000 représentant l'intérêt sur le montant de la sentence arbitrale d'Halifax, à la distribution de primes aux propriétaires de bateaux de pêche et à leurs équipages. Une autre loi, votée en 1891 (54-55 Vict., c. 42), éleva ces primes à \$160,000, les détails de leur distribution étant réglés chaque année par arrêté ministériel.

**Industrie moderne.**—L'industrie poissonnière du Canada telle qu'elle existe actuellement est le fruit des efforts accomplis pendant les cinquante dernières années. En 1844, la valeur des prises n'était estimée qu'à \$125,000; elle doubla dans la décade suivante, et dès 1860, dépassait \$1,000,000. Dix ans plus tard, elle atteignit \$6,000,000, chiffre plus que doublé en 1878. Dans la dernière décade du siècle elle dépassait \$20,000,000, touchait à trente-quatre millions en 1911 et atteignait presque quarante-neuf millions en 1927. Mais son apogée fut atteinte en 1918, année qui dépassa soixante millions. Ces chiffres représentent la valeur totale de tout le poisson vendu soit frais, soit séché, soit en conserve ou autrement préparé. Pendant ce temps le personnel de cette industrie a atteint 80,000 personnes et le capital qu'elle absorbait, \$50,000,000 en certaines années.

Entre tous les poissons, la morue et le saumon se disputèrent longtemps la primauté; si l'on remontait jusqu'aux origines, la morue tiendrait la tête, mais si l'on ne considère que les vingt dernières années, on constate que le saumon a définitivement conquis la première place et même le volume de homard et son prix élevé ont plus d'une fois relégué la morue au troisième rang. Ceci eut pour effet de modifier le rang des provinces entre elles, la Colombie Britannique tenant maintenant la première place qui appartenait auparavant à la Nouvelle-Ecosse. Le flétan prend la quatrième place parmi nos poissons de commerce.

**Commerce.**—On a déjà vu que la consommation domestique de poisson est relativement minime au Canada et que cette industrie dépend largement des marchés de l'étranger. On peut évaluer approximativement à 60 pour cent des prises annuelles la portion exportée, dont les Etats-Unis absorbent approximativement un tiers et la Grande Bretagne un sixième. Pendant l'année civile 1927, les exportations totales se sont élevées à \$34,814,448, dont \$14,613,034 pour les Etats-Unis et \$5,408,547 pour la Grande-Bretagne. Le plus important des poissons exportés est le saumon en boîte (expédié en Grande-Bretagne et aux autres marchés européens), suivi de près par la morue sèche (expédiée aux Antilles, en Amérique du Sud, etc.). Pour le poisson frais, spécialement le poisson blanc et le homard, les Etats-Unis constituent le principal débouché. En définitive, les exportations de poissons du Canada ne le cèdent qu'à celles de la Grande-Bretagne et de la Norvège, mais si l'on y joint les exportations de Terre-Neuve, elles excèdent l'une et l'autre. En 1927, le Canada, a importé pour \$3,768,901 de poisson.



## STATISTIQUES DES PÊCHERIES CANADIENNES, 1927

La valeur totale de la production des pêcheries canadiennes en 1927 est de \$49,497,038, comparativement à \$56,360,633 en 1926 et \$47,942,131 en 1925. Ces chiffres représentent la valeur de la pêche telle que vendue, soit fraîche, soit préparée par les pêcheurs ou dans les usines. Le tableau qui suit donne la quantité prise et la valeur des ventes de chacun des principaux poissons (dont les ventes ont donné \$100,000 et plus) au cours des cinq dernières années, avec, dans la dernière colonne, une indication de l'augmentation ou de la diminution en 1927 comparativement à 1926.

1. Quantité<sup>1</sup> et valeur<sup>2</sup> des principaux poissons, 1923-1927

| Espèces                         | 1923                           | 1924                    | 1925                    | 1926                    | 1927                    | Augmentation<br>ou diminution<br>en 1927 sur 1926<br>Aug. +<br>Dimin. - |
|---------------------------------|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------------------------------------------------|
| Saumon.....                     | qtz 1,561,738<br>\$ 12,534,515 | 2,024,675<br>13,784,920 | 1,933,260<br>15,769,630 | 2,180,470<br>19,607,082 | 1,541,447<br>15,065,063 | - 639,023<br>- 4,542,019                                                |
| Homard.....                     | qtz 381,628<br>\$ 6,365,362    | 272,213<br>4,169,171    | 340,838<br>5,552,977    | 339,583<br>5,883,672    | 316,831<br>5,426,176    | - 22,752<br>- 457,496                                                   |
| Morue.....                      | qtz 1,801,757<br>\$ 4,079,397  | 1,888,316<br>5,443,814  | 2,309,000<br>6,232,821  | 2,733,864<br>6,995,283  | 1,978,803<br>4,881,980  | - 755,061<br>- 2,113,303                                                |
| Flétan.....                     | qtz 354,325<br>\$ 6,596,452    | 359,647<br>5,878,870    | 340,007<br>4,185,391    | 339,918<br>4,935,472    | 329,032<br>4,318,741    | - 10,886<br>- 616,731                                                   |
| Hareng.....                     | qtz 1,841,062<br>\$ 2,659,804  | 2,127,432<br>3,147,123  | 2,413,973<br>3,117,841  | 2,423,457<br>3,238,919  | 2,724,113<br>3,358,098  | + 300,656<br>+ 119,179                                                  |
| Poisson blanc.....              | qtz 157,788<br>\$ 1,629,143    | 167,706<br>1,747,528    | 186,648<br>1,990,168    | 190,644<br>2,167,865    | 185,664<br>2,162,738    | - 4,980<br>+ 24,873                                                     |
| Pilchard.....                   | qtz 19,492<br>\$ 92,036        | 27,485<br>82,845        | 318,973<br>182,911      | 969,958<br>31,256,721   | 1,368,582<br>31,838,867 | + 398,624<br>+ 582,146                                                  |
| Eglefin.....                    | qtz 304,565<br>\$ 1,046,808    | 337,860<br>1,013,253    | 344,386<br>1,171,555    | 496,802<br>1,754,846    | 421,709<br>1,483,841    | - 75,093<br>- 271,002                                                   |
| Truite.....                     | qtz 68,232<br>\$ 823,767       | 76,858<br>990,321       | 81,292<br>1,097,728     | 78,710<br>1,051,196     | 92,007<br>1,397,294     | + 13,297<br>+ 346,098                                                   |
| Doré.....                       | qtz 103,869<br>\$ 909,471      | 101,610<br>1,010,015    | 86,877<br>1,056,169     | 126,086<br>1,385,856    | 140,019<br>1,347,589    | + 13,933<br>- 38,267                                                    |
| Eperlan.....                    | qtz 65,254<br>\$ 868,629       | 90,428<br>1,154,641     | 76,795<br>1,035,504     | 92,311<br>1,174,185     | 82,762<br>1,117,330     | - 9,549<br>- 56,855                                                     |
| Sardines.....                   | brl 134,561<br>\$ 1,016,810    | 270,076<br>1,244,605    | 158,533<br>1,017,206    | 173,166<br>1,175,268    | 174,695<br>1,046,575    | + 1,529<br>- 128,693                                                    |
| Tullipi.....                    | qtz 23,785<br>\$ 127,661       | 42,346<br>175,268       | 61,804<br>290,754       | 101,525<br>645,945      | 121,764<br>633,150      | + 20,239<br>- 12,795                                                    |
| Maquereau.....                  | qtz 141,749<br>\$ 617,978      | 215,590<br>1,021,242    | 187,661<br>663,628      | 115,487<br>443,155      | 158,797<br>582,705      | + 43,310<br>+ 139,550                                                   |
| Morue longue <sup>4</sup> ..... | qtz -<br>\$ -                  | -<br>-                  | -<br>-                  | -<br>-                  | 49,916<br>401,259       | -<br>-                                                                  |
| Brochet.....                    | qtz 43,674<br>\$ 197,024       | 53,695<br>230,261       | 54,217<br>278,369       | 72,520<br>407,131       | 70,473<br>356,992       | - 2,047<br>- 50,189                                                     |
| Clovisse et mactres.....        | brl 44,640<br>\$ 215,826       | 60,357<br>320,241       | 54,986<br>290,063       | 54,230<br>268,887       | 57,712<br>274,287       | + 3,482<br>+ 5,400                                                      |
| Perche.....                     | qtz 31,049<br>\$ 184,240       | 29,387<br>185,350       | 27,532<br>180,497       | 30,498<br>230,155       | 34,573<br>272,687       | + 4,075<br>+ 42,532                                                     |
| Merluche et lingue.....         | qtz 93,520<br>\$ 143,578       | 192,811<br>316,508      | 174,136<br>295,720      | 151,051<br>203,502      | 177,370<br>232,404      | + 26,319<br>+ 28,902                                                    |
| Pétoncles.....                  | brl 13,890<br>\$ 85,265        | 10,350<br>70,655        | 17,718<br>97,751        | 23,200<br>151,926       | 38,635<br>217,932       | + 15,435<br>+ 66,006                                                    |
| Huîtres.....                    | orl 22,949<br>\$ 152,776       | 28,932<br>212,408       | 21,428<br>185,353       | 22,255<br>209,378       | 21,650<br>197,781       | - 605<br>- 11,597                                                       |
| Sandre.....                     | qtz 32,547<br>\$ 179,011       | 30,601<br>168,306       | 34,453<br>275,624       | 30,385<br>182,310       | 31,173<br>187,038       | + 788<br>+ 4,728                                                        |

## 1. Quantité et valeur des principaux poissons, 1923-1927—fin

| Espèces          |     | 1923    | 1924    | 1925    | 1926    | 1927    | Augmentation<br>ou diminution<br>en 1927 sur 1926<br>Aug. +<br>Dimin. — |        |
|------------------|-----|---------|---------|---------|---------|---------|-------------------------------------------------------------------------|--------|
| Soles.....       | qtx | 3,675   | 6,835   | 7,926   | 11,691  | 25,075  | +                                                                       | 13,384 |
|                  | \$  | 28,757  | 35,431  | 51,144  | 74,798  | 143,898 | +                                                                       | 69,100 |
| Esturgeon.....   | qtx | 5,431   | 7,174   | 6,243   | 5,198   | 4,788   | —                                                                       | 410    |
|                  | \$  | 176,619 | 248,786 | 201,227 | 159,438 | 143,720 | —                                                                       | 15,718 |
| Anguille.....    | qtx | 14,367  | 15,635  | 15,675  | 24,466  | 15,926  | —                                                                       | 8,540  |
|                  | \$  | 99,848  | 127,255 | 146,062 | 231,559 | 139,932 | —                                                                       | 91,627 |
| Morue noire..... | qtx | 16,679  | 18,183  | 14,956  | 10,358  | 16,430  | +                                                                       | 6,072  |
|                  | \$  | 136,492 | 130,334 | 114,315 | 89,371  | 123,421 | +                                                                       | 34,050 |
| Espadon.....     | qtx | 14,343  | 5,575   | 4,551   | 12,936  | 7,299   | —                                                                       | 5,637  |
|                  | \$  | 155,020 | 96,157  | 78,209  | 207,248 | 120,692 | —                                                                       | 86,556 |
| Œil d'or.....    | qtx | 6,130   | 6,597   | 7,263   | 11,685  | 11,485  | —                                                                       | 200    |
|                  | \$  | 44,001  | 36,263  | 70,776  | 85,791  | 115,970 | +                                                                       | 30,179 |

<sup>1</sup> Pris et débarqué. <sup>2</sup> Vendu. <sup>3</sup> Comparaison avec les années précédentes impossible parce que les totaux de 1926 et 1927 comprenant l'huile et la poudre, tandis qu'en 1925 ces deux éléments étaient inclus dans huile et poudre de poisson.  
<sup>\*</sup> Compris avec morue avant 1927.

## OPÉRATIONS DES PÊCHERIES EN 1927

La quantité de poisson pris tant dans les eaux intérieures que dans les eaux salées est de beaucoup inférieure à celle de 1926 et sa valeur est aussi beaucoup plus faible.

La Nouvelle-Ecosse donne en valeur une diminution d'un million et demi de dollars comparativement à 1926, mais c'est encore un demi-million de dollars de plus qu'en 1925. La mauvaise température de 1927 est la cause principale de la diminution de la prise dans cette province, une autre cause contributive étant la surproduction de novembre et décembre 1926, alors qu'une température anormalement douce et favorable a aidé les pêcheurs et à prendre de grandes quantités de poisson. La prise de morue et d'églefin a été beaucoup plus faible, la diminution en valeur étant respectivement de \$1,200,000 et \$270,000.

Au Nouveau-Brunswick, où la valeur de la pêche a diminué de plus d'un million de dollars, on a pris moins de morue, de merlan, de hareng, et de homard. La quantité de sardines a été plus grande, mais la valeur plus faible d'environ \$170,000.

Les pêcheries de l'Île du Prince-Edouard ont donné une valeur un peu plus grande que l'année précédente, à cause principalement des prix plus élevés de certains poissons, parce que dans la plupart des cas la prise a été à peu près encore la même en 1926 et parfois même moins considérable.

Les pêcheries maritimes du Québec ont donné une plus faible prise de morue, hareng et homard—trois des principales espèces. La prise de saumon a été un peu moindre tandis que la prise de maquereau a été très forte.

L'augmentation dans la valeur des produits de pêche de l'Ontario provient de meilleures prises de hareng, truite et tullipi. Bien que la prise de poisson blanc soit un peu plus faible qu'en 1926, elle a donné une plus haute valeur.

En Saskatchewan, la pêche du poisson blanc donne une augmentation en volume et de \$60,000 en valeur. Il y a aussi augmentation pour le doré. En Alberta, il y a une forte diminution dans la prise et la valeur de doré et l'augmentation dans la prise de brochet avec diminution en valeur et plus que double prise de truite et une faible diminution dans la prise de poisson blanc. La Saskatchewan est la seule des trois provinces des Prairies à montrer une augmentation de valeur dans la production de ces pêcheries. Cette augmentation provient de meilleures pêches de doré et de poisson blanc. Au Manitoba, on a pris de plus grandes quantités de doré et tullipi, mais comme les prix ont

fléchi, il y a eu diminution en valeur. Le poisson blanc a été pris en moindre quantité en Alberta; la valeur totale est moindre, bien que certains poissons donnent une forte augmentation. La truite donne une augmentation de 3,907 qtx à 10,882 qtx avec augmentation correspondante en valeur, tandis que le tullipi donne aussi une augmentation en quantité et en valeur. La prise de brochet a été considérablement plus grande, mais la valeur un peu plus faible.

La Colombie Britannique montre une diminution considérable; le saumon et le flétan sont les principales causes de cette diminution. On y a pris beaucoup plus de hareng et de pilchard qu'en 1926.

### Pêcheries de la Côte de l'Atlantique

*Morue, églefin et merlan.*—La prise de ces espèces donne 2,612,743 qtx comparativement à 3,429,024 qtx en 1926. Sauf une ou deux exceptions, chaque espèce donne une diminution dans chacune des provinces. La plus grande diminution cependant se constate dans la pêche à la morue de la Nouvelle-Ecosse qui a reculé de 1,858,944 qtx en 1926, à 1,331,873 qtx en 1927. La pêche au merlan au Nouveau-Brunswick donne une diminution remarquable, tombant de 38,271 qtx en 1926 à 7,693 qtx en 1927. La lingue donne une augmentation en Nouvelle-Ecosse; la pêche ayant rapporté 27,000 qtx en 1927. Sur la prise totale de ces espèces, le marché a absorbé à l'état de poisson frais et en filets frais 334,175 qtx ce qui est une diminution de 105,106 qtx. La production de poisson fumé et de filets fumés a été de 111,431 qtx comparativement à 151,357 qtx en 1926. La flotte de Lunenburg a pêché 227,590 qtx, soit 115,140 qtx de moins qu'en 1926. Lors de la tempête du 24 août, cette flotte a perdu quatre de ses vaisseaux avec leurs équipages en entier. Le nombre total de vaisseaux faisant la pêche en 1927 est de 83 ou 9 de moins qu'en 1926. Les prix reçus pour le poisson séché, bien qu'un peu meilleurs que l'année précédente, ont été encore assez bas. Les chalutiers à vapeur faisant la pêche au large de la Nouvelle-Ecosse ont été au nombre de 14; 7 ayant Canso et 7 autres ayant Halifax pour base. C'est une augmentation de trois.

*Maquereau, hareng et sardine.*—La prise de ces trois espèces donne 1,270,158 qtx. L'année précédente elle était de 1,531,399 qtx; c'est donc une diminution de 261,241 qtx. En Nouvelle-Ecosse la prise de hareng a diminué de 50,000 tandis que celle du maquereau a augmenté de plus de 5,000 qtx. Au Nouveau-Brunswick on constate 10,000 qtx de moins en hareng; une diminution de 50 p.c. dans la pêche du maquereau et une augmentation de 6,000 qtx de sardine. La demande pour les sardines a été bonne après que les sardineries américaines eurent commencé à acheter, mais les bancs de sardines n'étaient pas très denses. Dans l'Île du Prince-Edouard, la prise de hareng montre une diminution de 12,000 qtx, mais comme les prix ont été meilleurs la diminution en valeur est minime. La pêche au maquereau a donné plus que l'an dernier. La pêche au hareng a aussi été beaucoup moindre dans les pêcheries du Québec, tandis qu'il y a une augmentation de 48,000 qtx de maquereau.

*Autre poisson de mer.*—La pêche du flétan a augmenté de 3,500 qtx. Il y a une diminution de 5,700 qtx dans la prise d'espadon. Le tacaud a donné 22,744 qtx et le carrelet 9,383 qtx. Le tacaud donne une augmentation et le carrelet une diminution.

*Mollusques et crustacés.*—La prise de homards a donné 316,831 qtx ce qui est une diminution de 12,751 qtx sur 1926 et 24,007 qtx sur 1925.

La quantité d'huîtres prise a été de 19,462 qtx, ce qui est un peu moins qu'en 1926. On a pris également 43,293 barils de clovisses, ce qui est une augmentation de 1,500 barils. La prise de pétoncles montre une forte augmentation, 38,635 barils comparativement à 23,200 barils en 1926. Aucune de ces espèces n'a été prise dans les eaux du Nouveau-Brunswick au cours de l'année et la quantité prise dans les eaux du Québec ne donne que le tiers de 1926, tandis que pour la Nouvelle-Ecosse la quantité de cette année double celle de 1926.

*Poisson frayant dans les rivières.*—La prise de saumon a été de 49,113 qtx, ou 3,682 qtx de moins que l'année précédente. Il y a aussi diminution de 17,962 qtx dans la pêche à l'éperlan, la prise totale étant de 72,519 qtx.

La quantité de gasparot pêchée au Nouveau-Brunswick et en Nouvelle-Ecosse est de 54,115 qtx, soit une diminution de plus de 17,000 qtx. Cette pêche dépend absolument de l'état du marché du poisson salé et comme ce marché a été mauvais au cours de l'année les pêcheurs n'ont accordé que peu d'attention à cette branche de leur industrie.

### Pêcheries intérieures

La pêche du poisson blanc a donné 185,664 qtx comparativement à 190,644 qtx en 1926. L'Ontario a eu la plus forte pêche de cette espèce, soit 61,658 qtx ou une diminution de 2,391 qtx. Le Manitoba vient en second avec 49,114 qtx ou une diminution de 5,008 qtx. La Saskatchewan vient en troisième avec 41,323 qtx, soit une augmentation de 3,656 qtx. La pêche du doré a donné 140,019 qtx ou une augmentation de 13,933 qtx. La contribution du Manitoba a été de 99,813 qtx, soit une augmentation de 12,562 qtx pour cette province. L'Ontario a une prise de 31,173 qtx de sandre, ce qui est une légère augmentation sur cette même pêche en 1926. La pêche au brochet a donné 70,473 qtx, ce qui est une diminution de plus de 2,000 qtx sur l'année précédente. Le Manitoba a contribué 40,166 qtx. Le hareng d'eau douce a donné 58,099 qtx, étant principalement le produit de l'Ontario et venant des grands lacs. C'est une augmentation de 14,000 qtx comparativement à 1926.

### Pêcheries du Pacifique

La production des pêcheries du Pacifique donne une diminution de \$4,139,205 provenant d'un ralentissement dans la pêche au saumon, au flétan, au hareng et au pilchard.

*Saumon.*—La prise de saumon a été de 1,490,395 qtx, soit une diminution de 536,160 qtx. Les saumonneries n'ont mis en conserve que 1,361,977 caisses comparativement à 2,065,190 en 1926. Une grande partie de cette diminution doit être attribuée à l'extension de la saison d'interdiction et autres mesures pour la protection du saumon. La prise de sockeye, bien qu'inférieure à la moyenne a été considérée comme assez satisfaisante. Au cours de l'automne il s'est produit une forte montée de saumon sockeye dans la rivière Fraser, semblable à celle de 1926. La prise de saumon rose donne une forte augmentation. Vu la pêche intensive de cette espèce, on a jugé nécessaire de prendre des précautions extraordinaires telles que l'extension de la saison, etc., afin de permettre à un nombre suffisant de poisson d'atteindre les bassins de frayage. La prise de saumon rose est moyenne et celle du saumon bécard un peu inférieure.

*Flétan.*—La prise de flétan a baissé de 14,563 qtx n'étant que de 300,532 qtx. Il ne semble pas que la saison de clôture maintenant en force ait matériellement affecté la prise et il semble maintenant opportun de songer à une extension de cette saison de clôture ou à toute autre alternative si l'on ne veut pas épuiser complètement le flétan.

*Hareng.*—La prise a été de 1,724,246 qtx comparativement à 1,301,269 qtx en 1926. Plus d'un million de quintaux de hareng salé à sec a été produit pour les marchés de l'orient. Les usines de réduction ont produit 170,450 gallons d'huile de hareng et 1,838 tonnes de poudre de hareng.

*Pilchard.*—On a pris environ 1,300,000 qtx de ce poisson, ce qui est près de 50 p.c. de plus que l'année précédente. On a mis en conserve une certaine proportion de cette pêche, les conserveries ayant produit cette année 58,000 caisses ce qui est plus de deux fois leur production de l'an dernier. Mais ce poisson sert principalement à la production de la poudre et de l'huile. Au cours de l'année on en a extrait 2,673,876 gallons d'huile et 12,169 tonnes de poudre.

Le nombre d'établissements de réduction produisant de la poudre et de l'huile de pilchard, hareng et baleine a été de 22 et la valeur de leurs produits, y compris les produits des baleineries, a été de \$2,289,952 ou presque deux fois celle de 1926.

*Baleines et phoques.*—Deux stations de pêche à la baleine ont été en opération au cours de l'année. Le nombre de baleines capturées est de 258 et la valeur des produits de \$241,488. C'est une diminution sur 1926. Les Indiens ont pris 1,476 phoques à fourrure comparativement à 2,824 l'année précédente.

### Résumé de la production, 1927

Le tableau qui suit donne pour l'ensemble du Canada un relevé de tout le poisson pris et mis sur le marché en 1927. On y trouvera d'abord la quantité et la valeur de la prise de chaque espèce, au navire ou bateau de pêche, puis l'indication de la forme sous laquelle chacune de ces espèces a été livrée à la consommation et la valeur qu'elle avait alors.

#### 2. Quantité et valeur de tout le poisson pêché et mis en vente au Canada, durant l'année 1927

| Espèces                                 |         | Pêcheries maritimes |              |
|-----------------------------------------|---------|---------------------|--------------|
|                                         |         | Quantité            | Valeur       |
| <b>Morue prise</b> .....                | qtx     | 1,978,803           | \$ 3,448,038 |
| Mise en vente—                          |         |                     |              |
| Frathe.....                             | qtx     | 130,864             | 504,987      |
| Filets frais.....                       | qtx     | 11,798              | 116,560      |
| En saumure.....                         | qtx     | 124,306             | 510,894      |
| En boîte.....                           | caisses | 2,416               | 19,196       |
| Fumée.....                              | qtx     | 216                 | 1,728        |
| Filets fumés.....                       | qtx     | 52,704              | 639,425      |
| Séchée.....                             | qtx     | 447,656             | 2,682,197    |
| Sans arêtes.....                        | qtx     | 23,825              | 229,777      |
| Huile de foie (médicinale).....         | gal.    | 92,597              | 84,688       |
| Huile de morue.....                     | gal.    | 214,024             | 92,528       |
| Total, valeur marchande.....            |         | —                   | 4,881,980    |
| <b>Eglefin, pris</b> .....              | qtx     | 421,709             | 727,182      |
| Mise en vente—                          |         |                     |              |
| Frais.....                              | qtx     | 160,145             | 570,409      |
| Filets, frais.....                      | qtx     | 21,366              | 235,144      |
| En boîte.....                           | caisses | 10,969              | 74,856       |
| Fumé.....                               | qtx     | 38,106              | 306,281      |
| Filets fumés.....                       | qtx     | 17,928              | 206,899      |
| En saumure.....                         | qtx     | 4,017               | 12,839       |
| Séché.....                              | qtx     | 17,744              | 77,416       |
| Total, valeur marchande.....            |         | —                   | 1,483,844    |
| <b>Merluche et lingue, prises</b> ..... | qtx     | 177,370             | 132,588      |
| Mise en vente—                          |         |                     |              |
| Fratiches.....                          | qtx     | 6,696               | 10,466       |
| Filets frais.....                       |         | 650                 | 4,000        |
| En saumure.....                         | qtx     | 39,171              | 80,995       |
| Filets fumés.....                       | qtx     | 2,478               | 22,317       |
| Séchés.....                             | qtx     | 25,728              | 105,904      |
| Sans arêtes.....                        | qtx     | 1,384               | 8,722        |
| Total, valeur marchande.....            |         | —                   | 232,404      |
| <b>Merlan, pris</b> .....               | qtx     | 35,050              | 37,963       |
| Mise en vente—                          |         |                     |              |
| Frais.....                              | qtx     | 2,778               | 7,630        |
| En saumure.....                         | qtx     | 5,950               | 16,908       |
| Séché.....                              | qtx     | 7,443               | 37,919       |
| Sans arêtes.....                        | qtx     | 14                  | 140          |
| Total, valeur marchande.....            |         | —                   | 62,597       |
| <b>Colin, pris</b> .....                | qtx     | 69                  | 345          |
| Mise en vente, frais.....               | qtx     | 69                  | 487          |
| <b>Barbottes, prises</b> .....          |         | 1,105               | 967          |
| Mises en vente, fraîches.....           |         | 1,105               | 3,851        |
| <b>Flétan, mis en vente</b> .....       | qtx     | 329,032             | 3,694,002    |
| Mise en vente—                          |         |                     |              |
| Frais.....                              | qtx     | 328,736             | 4,315,372    |
| Fumé.....                               | qtx     | 34                  | 670          |
| En boîte.....                           | caisses | 269                 | 2,699        |
| Total, valeur marchande.....            |         | —                   | 4,318,741    |

## 2. Quantité et valeur de tout le poisson pêché et mis en vente au Canada durant l'année 1927—suite

| Espèces                                            | Pêcheries maritimes |            |
|----------------------------------------------------|---------------------|------------|
|                                                    | Quantité            | Valeur     |
|                                                    |                     | \$         |
| <b>Carrelet, barbu, plie, etc., pris</b> ..... qtx | 12,856              | 27,369     |
| Mis en vente, frais..... qtx                       | 12,856              | 61,415     |
| <b>Rale, prise</b> ..... qtx                       | 8,305               | 16,558     |
| Mis en vente, fraîche..... qtx                     | 8,305               | 26,407     |
| <b>Sole, prise</b> ..... qtx                       | 25,075              | 82,448     |
| Mise en vente, fraîche..... qtx                    | 22,789              | 127,928    |
| Filets frais..... qtx                              | 762                 | 15,970     |
| Total, valeur marchande.....                       | -                   | 143,898    |
| <b>Hareng, pris</b> ..... qtx                      | 2,660,912           | 2,028,167  |
| Mis en vente—                                      |                     |            |
| Frais..... qtx                                     | 196,339             | 351,058    |
| Sans arêtes..... qtx                               | 4                   | 48         |
| En boîte..... caisses                              | 9,476               | 41,743     |
| Fumé..... qtx                                      | 63,767              | 248,268    |
| Salé à sec..... qtx                                | 1,048,615           | 1,486,026  |
| Mariné..... brl.                                   | 33,086              | 185,758    |
| Utilisé comme boîte..... brl.                      | 182,646             | 385,337    |
| Engrais..... brl.                                  | 126,964             | 112,036    |
| Huile..... gal.                                    | 193,770             | 69,616     |
| Poudre..... tonnes                                 | 2,702               | 137,334    |
| Ecailles..... qtx                                  | 2,820               | 10,281     |
| Total, valeur marchande.....                       | -                   | 3,027,505  |
| <b>Maquereau, pris</b> ..... qtx                   | 158,797             | 399,970    |
| Mis en vente—                                      |                     |            |
| Frais..... qtx                                     | 41,393              | 204,943    |
| En boîte..... caisses                              | 130                 | 992        |
| Fumé..... qtx                                      | 37                  | 424        |
| Salé..... brl.                                     | 39,121              | 376,271    |
| Utilisé comme boîte..... brl.                      | 25                  | 75         |
| Total, valeur marchande.....                       | -                   | 582,705    |
| <b>Sardines, prises</b> ..... brl.                 | 174,695             | 202,536    |
| Mises en vente—                                    |                     |            |
| En boîte..... caisses                              | 240,091             | 888,336    |
| Fraîche et salée..... brl.                         | 116,695             | 158,239    |
| Total, valeur marchande.....                       | -                   | 1,046,575  |
| <b>Pilchard, pris</b> ..... qtx                    | 1,368,582           | 1,027,746  |
| Mis en vente—                                      |                     |            |
| Frais..... qtx                                     | 2,017               | 3,482      |
| En boîte..... caisses                              | 58,501              | 230,582    |
| Utilisé comme boîte..... brl.                      | 1,737               | 4,719      |
| Huile..... gal.                                    | 2,673,876           | 982,786    |
| Engrais..... tonnes                                | 12,169              | 617,298    |
| Total, valeur marchande.....                       | -                   | 1,838,867  |
| <b>Gasparot, pris</b> ..... qtx                    | 54,115              | 47,772     |
| Mis en vente—                                      |                     |            |
| Frais..... qtx                                     | 11,393              | 15,745     |
| Fumé..... qtx                                      | 3,090               | 11,341     |
| Salé..... brl.                                     | 12,969              | 57,542     |
| Total, valeur marchande.....                       | -                   | 84,628     |
| <b>Bar, pris</b> ..... qtx                         | 546                 | 4,778      |
| Mis en vente, frais..... qtx                       | 546                 | 10,043     |
| <b>Perche, prise</b> ..... qtx                     | 1,384               | 10,323     |
| Mise en vente, fraîche..... qtx                    | 1,384               | 12,420     |
| <b>Saumon, pris</b> ..... qtx                      | 1,539,508           | 8,811,031  |
| Mis en vente—                                      |                     |            |
| Frais..... qtx                                     | 256,243             | 2,536,428  |
| En boîte..... caisses                              | 1,363,235           | 11,680,727 |
| Fumé..... qtx                                      | 571                 | 10,081     |
| Salé à sec..... qtx                                | 81,670              | 322,218    |
| Fumé frais..... qtx                                | 21,918              | 475,438    |
| Mariné..... qtx                                    | 1,000               | 9,519      |
| Utilisé comme boîte..... qtx                       | 93                  | 232        |
| Oufs de..... qtx                                   | 1,147               | 1,660      |
| Total, valeur marchande.....                       | -                   | 15,036,303 |

## 2. Quantité et valeur de tout le poisson pêché et mis en vente au Canada durant l'année 1927—suite

| Espèces                                           | Pêcheries maritimes |           |
|---------------------------------------------------|---------------------|-----------|
|                                                   | Quantité            | Valeur    |
|                                                   |                     | \$        |
| <b>Alose, prise</b> ..... qtx                     | 3,161               | 24,316    |
| Mise en vente—                                    |                     |           |
| Fralche..... qtx                                  | 3,086               | 30,827    |
| Salée..... brl.                                   | 26                  | 732       |
| Total, valeur marchande.....                      | —                   | 31,559    |
| <b>Eperlan, pris</b> ..... qtx                    | 73,623              | 686,703   |
| Mis en vente, frais..... qtx                      | 73,623              | 1,044,615 |
| <b>Esturgeon, pris</b> ..... qtx                  | 387                 | 7,494     |
| Mis en vente, frais..... qtx                      | 387                 | 8,342     |
| <b>Truite, prise</b> ..... qtx                    | 2,103               | 31,113    |
| Mise en vente—                                    |                     |           |
| Fralche..... qtx                                  | 1,977               | 31,999    |
| En boîte..... caisses                             | 96                  | 719       |
| Mariné..... qtx                                   | 30                  | 22        |
| Total, valeur marchande.....                      | —                   | 32,943    |
| <b>Cabillaud, pris</b> ..... qtx                  | 16,430              | 85,167    |
| Mis en vente—                                     |                     |           |
| Frais..... qtx                                    | 7,798               | 64,680    |
| En saumure..... qtx                               | 19                  | 207       |
| Fumé..... qtx                                     | 3,969               | 52,305    |
| Filets fumés..... qtx                             | 328                 | 6,229     |
| Total, valeur marchande.....                      | —                   | 123,421   |
| <b>Morue longue, prise</b> ..... ctw              | 49,916              | 287,918   |
| Mise en vente—                                    |                     |           |
| Fralche..... ctw                                  | 49,802              | 400,560   |
| Fumée..... ctw                                    | 57                  | 699       |
| Total, valeur marchande.....                      | —                   | 401,259   |
| <b>Morue rouge, prise</b> ..... qtx               | 1,436               | 15,753    |
| Mise en vente, fralche..... qtx                   | 4,436               | 22,479    |
| <b>Bonite, prise</b> ..... qtx                    | 3,362               | 18,122    |
| Mise en vente, fralche..... qtx                   | 3,362               | 25,941    |
| <b>Capelan, pris</b> ..... brl.                   | 1,626               | 3,084     |
| Mis en vente, frais..... brl.                     | 1,626               | 3,299     |
| <b>Anguille, prise</b> ..... qtx                  | 1,374               | 10,874    |
| Mise en vente, fralche..... qtx                   | 1,374               | 13,414    |
| <b>Roussette, ou chien de mer, pris</b> ..... qtx | 175,931             | 43,520    |
| <b>Poulpe, pris</b> ..... qtx                     | 313                 | 1,757     |
| Mis en vente, frais..... qtx                      | 313                 | 2,241     |
| <b>Oulachon, pris</b> ..... qtx                   | 486                 | 2,706     |
| Mis en vente, frais..... qtx                      | 486                 | 2,800     |
| <b>Encornet, pris</b> ..... brl.                  | 3,176               | 7,632     |
| Utilisé comme boëtte..... brl.                    | 3,176               | 10,065    |
| <b>Espadon, pris</b> ..... qtx                    | 7,299               | 88,090    |
| Mis en vente, frais..... qtx                      | 7,299               | 120,692   |
| <b>Tacaud, pris</b> ..... qtx                     | 22,794              | 41,479    |
| Mis en vente, frais..... qtx                      | 22,794              | 97,595    |
| <b>Poissons divers, pris</b> ..... qtx            | 9,795               | 43,531    |
| (Non compris les poissons énumérés ailleurs).     |                     |           |
| Mis en vente, frais..... qtx                      | 9,795               | 43,531    |
| <b>Cloisses et macres, prises</b> ..... brl.      | 57,712              | 122,334   |
| Mises en vente—                                   |                     |           |
| Fralches..... brl.                                | 18,004              | 57,174    |
| En boîte..... caisses                             | 38,826              | 217,113   |
| Total, valeur marchande.....                      | —                   | 274,287   |
| <b>Bucardes, pris</b> ..... qtx                   | 293                 | 1,100     |
| Mis en vente..... qtx                             | 293                 | 1,100     |
| <b>Abalone, pris</b> ..... bbl.                   | 433                 | 3,031     |
| Mis en vente, frais..... caisses                  | 433                 | 6,062     |

<sup>1</sup> Sert à la fabrication de l'huile de poisson et des engrais.

## 2. Quantité et valeur de tout le poisson pêché et mis en vente au Canada durant l'année 1927—suite

| Espèces                                                 | Pêcheries maritimes |            |
|---------------------------------------------------------|---------------------|------------|
|                                                         | Quantité            | Valeur     |
| <b>Crabes, pris.</b> ..... qtx                          | 8,539               | \$ 42,843  |
| Mis en vente—                                           |                     |            |
| Frais..... qtx                                          | 7,467               | 59,107     |
| En boîte..... caisses                                   | 483                 | 9,730      |
| Total, valeur marchande.....                            | —                   | 68,837     |
| <b>Homard, pris.</b> ..... qtx                          | 316,831             | 3,962,072  |
| Mis en vente—                                           |                     |            |
| Vivant..... qtx                                         | 86,907              | 1,979,059  |
| Chair..... qtx                                          | 114                 | 8,574      |
| En boîte..... caisses                                   | 113,937             | 3,393,098  |
| Foie de..... caisses                                    | 3,549               | 45,445     |
| Total, valeur marchande.....                            | —                   | 5,426,176  |
| <b>Huitres, prises.</b> ..... brl.                      | 21,650              | 148,505    |
| Mises en vente, fraîches..... brl.                      | 21,650              | 197,781    |
| <b>Pétoncles, pris.</b> ..... brl.                      | 38,635              | 207,250    |
| Mis en vente—                                           |                     |            |
| Ecaillés..... gal.                                      | 76,126              | 212,772    |
| En boîte..... caisses                                   | 261                 | 5,160      |
| Total, valeur marchande.....                            | —                   | 217,932    |
| <b>Crevettes, prises.</b> ..... qtx                     | 842                 | 12,772     |
| Mises en vente, fraîches..... qtx                       | 842                 | 16,592     |
| <b>Langues et noues, marinées ou séchées.</b> ..... qtx | 454                 | 4,215      |
| <b>Bigorneau, pris.</b> ..... qtx                       | 2,141               | 3,702      |
| Mis en vente, frais..... qtx                            | 2,141               | 4,870      |
| <b>Algue, verte.</b> ..... qtx                          | 2,944               | 5,290      |
| Mise en vente, séchée..... qtx                          | 665                 | 7,965      |
| <b>Phoque à fourrure, pris.</b> ..... nomb.             | 1,476               | 14,517     |
| Peaux vendues..... nomb.                                | 1,476               | 15,805     |
| <b>Phoque, commun.</b> ..... nomb.                      | 53,306              | 66,849     |
| Peaux vendues..... nomb.                                | 53,306              | 62,833     |
| Huile de..... gal.                                      | 66,699              | 22,810     |
| Total, valeur marchande.....                            | —                   | 85,693     |
| <b>Marsouins, pris.</b> ..... nomb.                     | 1                   | 40         |
| Peaux vendues..... nomb.                                | 1                   | 10         |
| Huile..... gal.                                         | 60                  | 30         |
| Total, valeur marchande.....                            | —                   | 40         |
| <b>Baleines, prises.</b> ..... nomb.                    | 258                 | 241,488    |
| Mises en vente—                                         |                     |            |
| Os et poudre..... tonnes                                | 345                 | 9,560      |
| Huile de..... gal.                                      | 437,967             | 192,868    |
| Engrais de..... tonnes                                  | 651                 | 39,060     |
| Total, valeur marchande.....                            | —                   | 241,488    |
| <b>Produits divers—</b>                                 |                     |            |
| Huile de poisson..... gal.                              | 398,556             | 149,991    |
| Colle de poisson..... gal.                              | 10,909              | 11,078     |
| Peaux et os de poisson..... qtx                         | 9,799               | 17,794     |
| Entrailles de poisson..... tonnes                       | 8,801               | 32,772     |
| Engrais de poisson..... tonnes                          | 285                 | 7,280      |
| Poudre de poisson..... tonnes                           | 5,013               | 287,219    |
| Autres produits.....                                    | —                   | 7,183      |
| <b>Valeur totale des pêcheries—</b>                     |                     |            |
| Valeur des prises.....                                  | —                   | 26,924,885 |
| Valeur marchande.....                                   | —                   | 41,921,126 |

| Espèces                           | Pêcheries intérieures |          |
|-----------------------------------|-----------------------|----------|
|                                   | Quantité              | Valeur   |
| <b>Gaspardot, pris.</b> ..... qtx | 660                   | \$ 1,980 |
| Mis en vente—                     |                       |          |
| Frais..... qtx                    | 264                   | 792      |
| Salé..... brl.                    | 132                   | 1,188    |
| Total, valeur marchande.....      | —                     | 1,980    |



## 2. Quantité et valeur de tout le poisson pêché et mis en vente au Canada durant l'année 1927—fin

| Espèces                                                             | Pêcheries Intérieures |            |
|---------------------------------------------------------------------|-----------------------|------------|
|                                                                     | Quantité              | Valeur     |
|                                                                     |                       | \$         |
| <b>Achigan, pris.</b> .....                                         | qtx 373               | 5,750      |
| Mis en vente, frais.....                                            | qtx 373               | 5,750      |
| <b>Carpe, prise.</b> .....                                          | qtx 12,758            | 90,359     |
| Mise en vente, fraîche.....                                         | qtx 12,758            | 94,282     |
| <b>Barbotte, prise.</b> .....                                       | qtx 8,208             | 69,303     |
| Mise en vente, fraîche.....                                         | qtx 8,208             | 75,765     |
| <b>Anguille, prise.</b> .....                                       | qtx 14,552            | 123,978    |
| Mise en vente, fraîche.....                                         | qtx 14,552            | 126,518    |
| <b>Oeil-d'or, pris.</b> .....                                       | qtx 11,485            | 39,989     |
| Mis en vente—                                                       |                       |            |
| Frais.....                                                          | qtx 3,864             | 16,794     |
| Fumé.....                                                           | qts 5,678             | 99,176     |
| Total, valeur marchande.....                                        | —                     | 115,970    |
| <b>Hareng, pris.</b> .....                                          | qtx 63,201            | 202,776    |
| Mis en vente, frais.....                                            | qtx 63,201            | 330,593    |
| <b>Maskinongé, pris.</b> .....                                      | qtx 107               | 2,426      |
| Mis en vente, frais.....                                            | qtx 107               | 2,426      |
| <b>Poisson divers (gade, chabot, ouananiche, etc.), pris.</b> ..... | qtx 43,694            | 182,880    |
| Mis en vente, frais.....                                            | qts 43,694            | 184,956    |
| <b>Mulet, pris.</b> .....                                           | qtx 15,906            | 23,596     |
| Mis en vente, frais.....                                            | qtx 15,906            | 33,885     |
| <b>Percbe, prise.</b> .....                                         | qtx 33,189            | 212,192    |
| Mise en vente, fraîche.....                                         | qtx 33,189            | 260,267    |
| <b>Doré, pris.</b> .....                                            | qtx 140,019           | 1,065,818  |
| Mis en vente, frais.....                                            | qtx 140,019           | 1,347,589  |
| <b>Sandre, prise.</b> .....                                         | qtx 31,173            | 124,692    |
| Mise en vente, fraîche.....                                         | qtx 31,173            | 187,038    |
| <b>Brochet, pris.</b> .....                                         | qtx 70,473            | 253,570    |
| Mis en vente, frais.....                                            | qtx 70,473            | 356,992    |
| <b>Saumon, pris.</b> .....                                          | qtx 1,939             | 27,150     |
| Mis en vente, frais.....                                            | qtx 1,939             | 28,760     |
| <b>Saugers, pris.</b> .....                                         | qtx 2,461             | 10,937     |
| Mis en vente, frais.....                                            | qtx 2,461             | 13,348     |
| <b>Alose, prise.</b> .....                                          | qtx 1,320             | 11,461     |
| Mise en vente, fraîche.....                                         | qtx 1,320             | 11,461     |
| <b>Eperlan, pris.</b> .....                                         | qtx 9,139             | 72,715     |
| Mis en vente, frais.....                                            | qtx 9,139             | 72,715     |
| <b>Esturgeon, pris.</b> .....                                       | qtx 4,401             | 104,165    |
| Mis en vente, frais.....                                            | qtx 4,401             | 125,268    |
| Caviar.....                                                         | liv. 6,573            | 10,110     |
| Total, valeur marchande.....                                        | —                     | 135,378    |
| <b>Truite, prise.</b> .....                                         | qtx 89,904            | 1,007,298  |
| Mise en vente, fraîche.....                                         | qtx 89,904            | 1,364,351  |
| <b>Tullipl, pris.</b> .....                                         | qtx 121,764           | 475,690    |
| Mis en vente—                                                       |                       |            |
| Frais.....                                                          | qtx 121,644           | 632,425    |
| Fumé.....                                                           | qtx 60                | 725        |
| Total, valeur marchande.....                                        | —                     | 633,150    |
| <b>Poisson blanc, pris.</b> .....                                   | qtx 185,664           | 1,484,700  |
| Mis en vente, frais.....                                            | qtx 185,664           | 2,192,738  |
| <b>Valeur totale des pêcheries intérieures—</b>                     |                       |            |
| Valeur des prises.....                                              |                       | 5,593,425  |
| Valeur marchande.....                                               |                       | 7,575,912  |
| <b>Valeur totale de toutes les pêcheries—</b>                       |                       |            |
| Valeur des prises.....                                              |                       | 32,518,310 |
| Valeur marchande.....                                               |                       | 49,497,038 |

## Moyens de production: Capital, outillage, main-d'œuvre, etc.

## (1) Pêche proprement dite:—

*Capital.*—Le capital représenté par les navires, barques, filets, pièges, môles et quais, etc., affectés aux opérations de pêche proprement dites était évalué en 1927 à \$31,851,979 comparativement à \$29,038,613 en 1926 et \$25,732,645 en 1925. Le total de 1927 se répartit en \$26,785,430 pour les pêcheries maritimes et \$5,066,549 pour les pêcheries intérieures. (Tableau 3).

*Main-d'œuvre.*—En 1927, 63,415 personnes ont été employées dans les pêcheries, comparativement à 61,371 en 1926 et 58,273 en 1925. Le total de 1927 était de 50,338 pour les pêcheries maritimes et 13,077 pour les pêcheries intérieures. (Tableau 4).

## (2) Usines poissonnières.

*Capital.*—Le capital engagé dans les établissements de préparation du poisson en 1927 était de \$24,454,482 et leur nombre de 773, comparativement à 831 établissements et un capital de \$28,868,071 en 1926. Ces totaux comprennent la valeur des terrains, bâtiments et machineries, stocks et approvisionnements en mains et le fonds de roulement. (Tableau 5).

*Main-d'œuvre.*—Ces établissements ont employé en 1927, 16,697 personnes comparativement à 17,408 en 1926 et 16,272 en 1925. (Tableau 6.)

## 3. Matériel et agrès de pêche. Valeur des vaisseaux et barques de pêche, filets, pièges, quais, etc. employés dans les pêcheries canadiennes en 1925, 1926 et 1927

| Nomenclature                                                     | Pêcheries maritimes |                   |           |                   |           |                   |
|------------------------------------------------------------------|---------------------|-------------------|-----------|-------------------|-----------|-------------------|
|                                                                  | 1925                |                   | 1926      |                   | 1927      |                   |
|                                                                  | Nombre              | Valeur            | Nombre    | Valeur            | Nombre    | Valeur            |
|                                                                  |                     | \$                |           | \$                |           | \$                |
| Chalutiers à vapeur.....                                         | 13                  | 895,000           | 14        | 990,000           | 17        | 1,240,000         |
| Bateaux de pêche à vapeur.....                                   | 11                  | 175,000           | 8         | 159,500           | 11        | 178,000           |
| Voiliers et embarcations à gazoline.....                         | 1,243               | 4,637,685         | 1,398     | 6,454,422         | 1,561     | 8,017,679         |
| Chaloupes (à rames et à voiles).....                             | 13,497              | 561,009           | 14,138    | 615,936           | 14,569    | 679,949           |
| Chaloupes à gazoline.....                                        | 15,097              | 4,896,399         | 15,622    | 5,328,186         | 15,944    | 5,434,057         |
| Pinasses et chalands.....                                        | 840                 | 420,268           | 529       | 516,783           | 664       | 566,293           |
| Rets à mailles, seines, pièges et trappes, filets à éperlan..... | 121,069             | 4,094,242         | 125,899   | 4,507,399         | 124,590   | 5,178,239         |
| Nasses.....                                                      | 484                 | 545,725           | 470       | 604,750           | 455       | 586,515           |
| Chaluts.....                                                     | 18,287              | 323,851           | 18,207    | 300,374           | 18,129    | 307,217           |
| Lièges à main.....                                               | 66,767              | 112,764           | 68,434    | 120,321           | 67,577    | 132,710           |
| Pièges à crabes.....                                             | 4,802               | 18,910            | 4,215     | 15,445            | 6,045     | 22,735            |
| Pièges à anguilles.....                                          | —                   | —                 | —         | —                 | 100       | 400               |
| Agrès de pêche à pétoncles.....                                  | 48                  | 4,360             | 45        | 3,420             | 78        | 8,170             |
| Etablissements d'ostréiculture et aménagement.....               | 1                   | 26,000            | 1         | 26,000            | 1         | 26,000            |
| Casiers à homard.....                                            | 1,620,958           | 1,928,454         | 1,613,974 | 1,926,793         | 1,659,784 | 1,995,920         |
| Môles et quais de pêche.....                                     | 2,472               | 960,030           | 2,623     | 977,820           | 2,511     | 954,820           |
| Congélateurs et glacières.....                                   | 641                 | 455,516           | 567       | 448,401           | 573       | 450,901           |
| Petites poissonneries.....                                       | 7,315               | 1,001,264         | 7,331     | 1,026,824         | 7,313     | 1,005,825         |
| <b>Valeur totale.....</b>                                        | —                   | <b>21,056,477</b> | —         | <b>24,022,371</b> | —         | <b>26,785,430</b> |

| Nomenclature                         | Pêcheries intérieures |                  |        |                  |        |                  |
|--------------------------------------|-----------------------|------------------|--------|------------------|--------|------------------|
|                                      | 1925                  |                  | 1926   |                  | 1927   |                  |
|                                      | Nombre                | Valeur           | Nombre | Valeur           | Nombre | Valeur           |
|                                      |                       | \$               |        | \$               |        | \$               |
| Bateaux à vapeur ou remorqueurs..... | 132                   | 994,389          | 140    | 1,038,674        | 138    | 1,037,353        |
| Chaloupes à voiles et à rames.....   | 3,912                 | 174,307          | 3,828  | 189,616          | 4,020  | 180,480          |
| Chaloupes à gazoline.....            | 1,487                 | 755,462          | 1,444  | 778,170          | 1,504  | 847,425          |
| Chalands.....                        | 2                     | 2,000            | 3      | 2,500            | 2      | 5,000            |
| Rets à maille.....                   | —                     | 1,348,921        | —      | 1,491,831        | —      | 1,584,005        |
| Seines.....                          | 139                   | 25,508           | 131    | 25,018           | 144    | 21,925           |
| Fuets à enclos.....                  | 1,356                 | 677,605          | 1,322  | 624,820          | 1,240  | 531,622          |
| Seines à cercle.....                 | 1,862                 | 56,704           | 1,185  | 34,596           | 996    | 34,154           |
| Carrelets sur dévidoirs.....         | 57                    | 896              | 52     | 605              | 57     | 691              |
| Lièges.....                          | 3,455                 | 56,030           | 3,033  | 59,697           | 2,668  | 20,112           |
| Nasses.....                          | —                     | —                | 1,308  | 83,222           | 1,442  | 124,487          |
| Pièges à anguilles.....              | 100                   | 200              | 25     | 100              | —      | —                |
| Pièges tournants.....                | 3                     | 450              | 3      | 450              | 7      | 1,050            |
| Harpons.....                         | 144                   | 1,026            | 140    | 990              | 123    | 910              |
| Môles et quais.....                  | 426                   | 113,612          | 462    | 195,698          | 469    | 167,273          |
| Congélateurs et glacières.....       | 878                   | 431,632          | 945    | 451,170          | 955    | 464,592          |
| Petites poissonneries.....           | 302                   | 37,426           | 292    | 39,082           | 356    | 45,470           |
| <b>Valeur totale.....</b>            | —                     | <b>4,676,168</b> | —      | <b>5,016,239</b> | —      | <b>5,066,549</b> |

## 4. Personnel occupé aux opérations de pêche en 1925, 1926 et 1927

| Classification                      | Pêcheries maritimes |               |               | Pêcheries intérieures |               |               |
|-------------------------------------|---------------------|---------------|---------------|-----------------------|---------------|---------------|
|                                     | 1925                | 1926          | 1927          | 1925                  | 1926          | 1927          |
| Hommes employés:                    | nomb.               | nomb.         | nomb.         | nomb.                 | nomb.         | nomb.         |
| A bord des chalutiers à vapeur..... | 222                 | 249           | 311           | —                     | —             | —             |
| A bord des navires.....             | 6,608               | 7,660         | 7,808         | 736                   | 729           | 732           |
| A bord des chaloupes.....           | 38,379              | 40,122        | 39,672        | 8,055                 | 8,193         | 8,320         |
| A bord des pinasses.....            | 1,093               | 737           | 804           | 4                     | 6             | 4             |
| Pêcheurs sans embarcations.....     | 1                   | 1             | 1,743         | 3,176                 | 3,675         | 4,021         |
| <b>Total.....</b>                   | <b>46,302</b>       | <b>48,768</b> | <b>50,338</b> | <b>11,971</b>         | <b>12,603</b> | <b>13,077</b> |

<sup>1</sup> Pas d'information.5. Capital d'exploitation<sup>1</sup> des établissements de préparation du poisson en 1925, 1926 et 1927

| Énumération                             | 1925       |                   | 1926       |                   | 1927       |                   |
|-----------------------------------------|------------|-------------------|------------|-------------------|------------|-------------------|
|                                         | Nombre     | Valeur            | Nombre     | Valeur            | Nombre     | Valeur            |
|                                         |            | \$                |            | \$                |            | \$                |
| Homarderies.....                        | 478        | 1,502,192         | 455        | 1,477,374         | 438        | 1,419,604         |
| Saumoneries.....                        | 69         | 9,172,387         | 79         | 16,367,870        | 81         | 11,595,454        |
| Crustacés et mollusques.....            | 15         | 70,694            | 19         | 226,012           | 15         | 99,417            |
| Sardinerias et autres conserveries..... | 5          | 1,274,825         | 4          | 1,253,424         | 6          | 1,265,674         |
| Saurisseries.....                       | 263        | 7,135,317         | 251        | 7,438,396         | 199        | 7,009,983         |
| Huilleries.....                         | 16         | 1,983,970         | 23         | 2,104,995         | 34         | 2,964,350         |
| <b>Total.....</b>                       | <b>846</b> | <b>21,139,955</b> | <b>831</b> | <b>28,868,071</b> | <b>773</b> | <b>21,451,482</b> |

<sup>1</sup> Embrasse la valeur des terrains, bâtiments, aménagements, outillages, les matières premières en stock et les fonds de roulement.

## 6. Personnel des établissements de préparation du poisson en 1925, 1926 et 1927

| Énumération                                                    | 1925         |              |               | 1926          |              |               | 1927          |              |               |
|----------------------------------------------------------------|--------------|--------------|---------------|---------------|--------------|---------------|---------------|--------------|---------------|
|                                                                | Hommes       | Femmes       | Total         | Hommes        | Femmes       | Total         | Hommes        | Femmes       | Total         |
| Personnes employées dans les:                                  |              |              |               |               |              |               |               |              |               |
| Homarderies.....                                               | 2,953        | 3,634        | 6,587         | 2,887         | 3,614        | 6,501         | 2,780         | 3,390        | 6,180         |
| Saumoneries.....                                               | 3,644        | 2,410        | 6,054         | 4,439         | 2,355        | 6,794         | 4,288         | 2,438        | 6,726         |
| Etablissements de préparation des mollusques et crustacés..... | 56           | 110          | 166           | 82            | 201          | 283           | 100           | 127          | 227           |
| Sardinerias et autres conserveries.....                        | 255          | 226          | 481           | 340           | 142          | 482           | 293           | 153          | 446           |
| Saurisseries.....                                              | 2,338        | 295          | 2,633         | 2,511         | 321          | 2,832         | 2,257         | 244          | 2,501         |
| Huilleries.....                                                | 345          | 6            | 351           | 503           | 13           | 516           | 602           | 15           | 617           |
| <b>Total.....</b>                                              | <b>9,591</b> | <b>6,681</b> | <b>16,272</b> | <b>10,762</b> | <b>6,646</b> | <b>17,408</b> | <b>10,330</b> | <b>6,367</b> | <b>16,697</b> |

## Usines poissonnières

*Nombre d'établissements.*—En 1927, la préparation industrielle du poisson s'est pratiquée dans 773 établissements, dont 438 homarderies, 81 saumoneries, 15 mettant les clovisses en conserve, 6 sardinerias et autres genres, 199 saurseries et 34 établissements de réduction. Les homarderies ont été réduites en nombre de 17 sur l'année précédente, et les saurseries ont diminué de 52, tandis que le saumoneries sont en augmentation de 2 et les établissements de réduction de 11. Le total des établissements a déchu de 58. L'industrie de la conservation du poisson par mise en boîte ou salaison est confinée aux provinces maritimes, Québec et la Colombie Britannique.

*Personnel et rémunération.*—Les statistiques de l'emploi accusent des diminutions dans le nombre de personnes employées dans ces établissements et dans les salaires ou gages payés, comparativement à l'année précédente. Leur nombre en 1927 était de 16,697, comparativement à 17,408 en 1926. Le personnel pour 1927 se dénombrait comme suit: salariés, 639; main-d'œuvre à gages 11,343; ouvriers sous contrat ou à la pièce 4,715. Les personnes classifiées

comme ouvriers sous contrat sont dans les saumoneries de la Colombie Britannique, où une forte partie du travail se fait sur contrat, le contracteur engageant et payant sa main-d'œuvre et étant rémunéré personnellement par l'opérateur de la saumonerie selon la quantité de poisson mise en conserve. Plus de la moitié des travailleurs à ces établissements en Colombie Britannique sont employés de cette façon. Le montant total payé par ces établissements à leurs employés en 1927 est de \$5,373,951, distribué comme suit: salariés \$871,211; main-d'œuvre à gages \$3,769,791 et ouvriers sous contrat ou travailleurs à la pièce \$732,949. La somme totale payée en 1926 est de \$5,622,837. Les statistiques de 1927 et les deux années qui la précèdent sont contenues au tableau suivant:

#### 7. Personnel des usines poissonnières, appointements et salaires, 1925, 1926 et 1927

| Année     | Employés |         | Ouvriers et journaliers |           | Ouvriers à l'entreprise ou aux pièces |           | Total, personnel, appointements et salaires |           |
|-----------|----------|---------|-------------------------|-----------|---------------------------------------|-----------|---------------------------------------------|-----------|
|           | nomb.    | \$      | nomb.                   | \$        | nomb.                                 | \$        | nomb.                                       | \$        |
| 1925..... | 632      | 806,418 | 10,687                  | 3,166,045 | 4,952                                 | 998,704   | 16,272                                      | 4,971,167 |
| 1926..... | 546      | 733,760 | 11,579                  | 3,807,533 | 5,283                                 | 1,081,544 | 17,408                                      | 5,622,837 |
| 1927..... | 639      | 871,211 | 11,343                  | 3,769,791 | 4,715                                 | 732,949   | 16,697                                      | 5,373,951 |

*Personnel occupé par mois.*—Mai et juin avec 9,654 et 10,347 employés respectivement sont les deux mois de plus grande activité dans l'industrie. Dans les homarderies mai et juin ont été les mois de la plus grande activité; dans les saumoneries ce fut juin, juillet, août et, pour les conserveries de clovises avril, juin et juillet. Dans les sardinerias et autres conserveries du poisson, les saurseries et établissements de réduction, l'emploiement n'eut que peu de variation au cours de l'année. Le tableau qui suit présente des résumés statistiques mensuels de l'emploiement au cours des années 1925 à 1927. De ces chiffres sont exclus les ouvriers sous contrat ou à la pièce, sur lesquels on ne possède pas de détails quant à l'emploiement mensuel.

#### 8. Main-d'œuvre de l'industrie poissonnière<sup>1</sup>—Nombre d'employés sur la liste de paie le 15 de chaque mois en 1925, 1926 et 1927

| Mois           | 1925   |        |       | 1926   |        |        | 1927   |        |        |
|----------------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
|                | Hommes | Femmes | Total | Hommes | Femmes | Total  | Hommes | Femmes | Total  |
|                | nomb.  | nomb.  | nomb. | nomb.  | nomb.  | nomb.  | nomb.  | nomb.  | nomb.  |
| Janvier.....   | 1,345  | 137    | 1,482 | 1,458  | 95     | 1,553  | 1,656  | 112    | 1,768  |
| Février.....   | 1,262  | 130    | 1,392 | 1,322  | 119    | 1,441  | 1,528  | 97     | 1,625  |
| Mars.....      | 1,765  | 301    | 2,066 | 2,086  | 272    | 2,358  | 2,108  | 314    | 2,423  |
| Avril.....     | 3,732  | 1,558  | 5,310 | 4,041  | 1,678  | 5,119  | 4,658  | 831    | 4,889  |
| Mai.....       | 5,893  | 3,809  | 9,702 | 6,341  | 3,822  | 10,163 | 6,109  | 3,545  | 9,654  |
| Juin.....      | 6,117  | 3,685  | 9,802 | 6,933  | 3,024  | 10,857 | 6,812  | 3,535  | 10,347 |
| Juillet.....   | 4,220  | 1,018  | 5,238 | 5,848  | 2,183  | 8,031  | 4,893  | 1,036  | 5,929  |
| Août.....      | 3,853  | 629    | 4,482 | 4,572  | 759    | 5,331  | 4,441  | 676    | 5,117  |
| Septembre..... | 3,799  | 620    | 4,419 | 4,230  | 632    | 4,862  | 3,680  | 573    | 4,462  |
| Octobre.....   | 3,464  | 471    | 3,935 | 3,895  | 598    | 4,493  | 3,512  | 440    | 3,952  |
| Novembre.....  | 2,620  | 281    | 2,901 | 3,064  | 281    | 3,345  | 2,722  | 186    | 2,908  |
| Décembre.....  | 1,533  | 143    | 2,076 | 2,127  | 199    | 2,326  | 2,163  | 162    | 2,325  |

<sup>1</sup> A l'exclusion des ouvriers travaillant à l'entreprise ou aux pièces.

*Combustible employé.*—Le charbon vient en tête comme valeur, avec un total de 29,430 tonnes valant \$239,419. L'huile combustible consommée donne un total de 1,738,667 gallons d'une valeur de \$102,569; la gazoline, 79,666 gallons valant \$21,306; les distillés du pétrole, 91,385 gallons valant \$9,053. Il y a été payé \$30,174 pour l'électricité employée durant l'année. La valeur totale du combustible consommé, y inclus l'électricité, est de \$465,230, comparativement à \$476,727 en 1926.

*Force motrice.*—La force motrice de tous les établissements consiste en 278 machines à vapeur et turbines fournissant 4,748 h.p.; 649 moteurs à explosion interne fournissant 3,926 h.p.; 50 turbines hydrauliques d'une capacité de 1,276 h.p.; et 144 moteurs électriques produisant 2,365 h.p. Comparativement aux années précédentes, les machines à vapeur et turbines sont en augmentation quant au nombre mais en décroissance quant au total de la production en h.p.; les roues et turbines hydrauliques ont déchu en nombre tout en accusant une augmentation de capacité; les moteurs électriques sont en augmentation tant au nombre qu'en capacité. Les chaudières à vapeur en usage étaient de 371, comparativement à 355 en 1926.

*Matières premières.*—La valeur totale du poisson consommé dans les différents produits et du poisson acheté pour être revendu frais, est de \$14,379,521; la valeur des récipients employés, \$3,290,932; du sel \$360,056 et de divers autres ingrédients \$334,337, portant la valeur totale du coût de production à \$18,364,846. La quantité totale de poisson employée dans ces établissements au cours de l'année a été de 6,393,552 qtx., ou 63 p.c. du total de la prise du poisson d'eau salée. Les statistiques de la valeur des matériaux employés pour les trois dernières années forment la matière du tableau 9.

#### 9. Valeur des matières premières de l'industrie poissonnière, 1925, 1926 et 1927

|                                | 1925              | 1926              | 1927              |
|--------------------------------|-------------------|-------------------|-------------------|
|                                | \$                | \$                | \$                |
| Poisson.....                   | 13,953,936        | 16,692,352        | 14,379,521        |
| Sel.....                       | 389,054           | 356,267           | 360,056           |
| Récipients.....                | 3,878,633         | 4,652,025         | 3,290,932         |
| Autres matières premières..... | 459,063           | 333,485           | 334,337           |
| <b>Total.....</b>              | <b>18,680,686</b> | <b>22,034,129</b> | <b>18,364,846</b> |

*Valeur de la production.*—On constate une diminution considérable de la valeur de production de ces établissements comparativement à 1926. La valeur de la production dérivée du poisson en 1927 est de \$23,961,119, en diminution de \$4,880,825 ou 17 p.c. sur l'année précédente; la valeur du poisson frais vendu pour sa consommation est de \$7,123,490, soit une diminution de \$225,330 ou 3 p.c. La production totale de tous les établissements en 1927 est \$31,084,609, comparativement à \$36,190,764 en 1926. La valeur de la production des homarideries a déchu de 5 p.c.; celle des saumoneries de 23 p.c. et des saurisséries de 9 p.c., tandis que les établissements de réduction ont une augmentation en valeur de 46 p.c. Le tableau suivant présente les statistiques de la production pour les années 1925 à 1927.

#### 10. Valeur des produits de l'industrie poissonnière, 1925, 1926 et 1927

| Nomenclature                                | 1925                   |                                                | 1926                   |                                                | 1927                   |                                                |
|---------------------------------------------|------------------------|------------------------------------------------|------------------------|------------------------------------------------|------------------------|------------------------------------------------|
|                                             | Poisson<br>vendu frais | Poisson<br>en boîte ou<br>autrement<br>préparé | Poisson<br>vendu frais | Poisson<br>en boîte ou<br>autrement<br>préparé | Poisson<br>vendu frais | Poisson<br>en boîte ou<br>autrement<br>préparé |
|                                             | \$                     | \$                                             | \$                     | \$                                             | \$                     | \$                                             |
| Homarideries.....                           | 841,064                | 3,866,346                                      | 886,127                | 4,005,358                                      | 933,631                | 3,709,313                                      |
| Saumoneries.....                            | 80,245                 | 13,486,605                                     | 167,617                | 17,123,468                                     | 284,452                | 13,042,682                                     |
| Établissements de conserves de mollusques.. | 420                    | 156,599                                        | 11,794                 | 222,118                                        | —                      | 178,956                                        |
| Sardineries.....                            | 175,958                | 1,145,175                                      | 234,809                | 1,725,344                                      | 192,981                | 1,320,476                                      |
| Saurisséries.....                           | 5,391,496              | 4,540,097                                      | 6,048,473              | 4,474,036                                      | 5,712,426              | 3,823,079                                      |
| Huileries et fabriques d'engrais.....       | —                      | 696,987                                        | —                      | 1,291,620                                      | —                      | 1,886,613                                      |
| <b>Total.....</b>                           | <b>6,489,183</b>       | <b>23,891,809</b>                              | <b>7,348,820</b>       | <b>28,841,944</b>                              | <b>7,123,490</b>       | <b>23,961,119</b>                              |

*Autres données.*—Pour les fins de la statistique, on a groupé les établissements de l'industrie poissonnière selon (1) la forme de leur organisation, (2) la durée de leurs opérations, (3) l'importance du personnel et (4) la valeur de leur production. En voici un résumé succinct: la compilation selon le genre d'organisation fait voir 368 établissements appartenant à des particuliers; 134 à des sociétés en nom collectif; 259 à des sociétés en commandite et 12 à des coopératives. Les homarderies sont en plus grande partie exploitées par des particuliers et les saumoneries par des sociétés par actions. La classification par la durée des opérations montre que 321 établissements ont été actifs moins de 60 jours de l'année; 211, de 60 à 119 jours; 113, de 120 à 179 jours; 65, de 180 à 239 jours; et 63, 240 jours et plus. On compte dans le dernier groupe 38 saurisséries, 9 homarderies, 5 saumoneries, 4 conserveries de clovises, 2 sardinerias et 5 établissements de réduction. Dans plusieurs conserveries, on fait après la saison le séchage et le fumage du poisson et les rapports de 1927 montrent que 25 homarderies et 9 saumoneries ont fumé ou salé du poisson en outre de la mise en boîte. La classification par l'importance du personnel divise ces établissements en trois groupes. Le premier groupe a 564 établissements employant 5 personnes ou plus; le second groupe a 176 établissements ayant moins de 5 employés et le troisième groupe 33 établissements opérant sans employés, leurs propriétaires faisant eux-mêmes tout le travail. Trois seulement des saumoneries avaient moins de 5 employés, tandis que 84 des homarderies en ont moins de 5. Les rapports ont été classifiés en 5 groupes, relativement à la valeur de leur production. Le premier de ces groupes comprend 284 établissements avec une production valant moins de \$5,000; le second, 123 établissements avec une production de plus de \$5,000 mais de moins que \$10,000; le troisième, 119 établissements, production de \$10,000 ou moins de \$20,000; le quatrième, 105 établissements, production de \$20,000 ou moins de \$50,000 et le cinquième groupe, 142 établissements ayant une production de \$50,000 ou plus. Sont compris dans le dernier groupe: 74 saumoneries, 37 saurisséries, 15 homarderies, 14 établissements de réduction et 2 sardinerias et conserveries d'autres poissons. Les détails statistiques se trouvent aux tableaux d'ensemble du rapport.

### Répartition par provinces

Les tableaux 11-17 qui suivent sont consacrés à la production poissonnière dans les provinces. On y trouve la valeur totale des pêcheries; la quantité de poisson pris et de poisson vendu, pour les espèces principales; la quantité et la valeur de tout le poisson pris et vendu; la valeur totale, par comté ou district de tout le poisson de mer pris et vendu; le volume du poisson pêché en haute mer; la valeur du matériel de pêche et le nombre du personnel.

#### 11. Valeur des pêcheries, par provinces, de 1923 à 1927, par ordre de leur importance en 1927

| Provinces                  | 1923              | 1924              | 1925              | 1926              | 1927              | Augmentation<br>ou diminution<br>en 1927 sur<br>1926. (Aug. +,<br>dimin. -) |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------------------------------------------------------------|
|                            | \$                | \$                | \$                | \$                | \$                | \$                                                                          |
| Colombie Britannique.....  | 20,795,914        | 21,257,567        | 22,414,618        | 27,367,109        | 23,264,342        | - 4,102,767                                                                 |
| Nouvelle-Ecosse.....       | 8,448,385         | 8,777,251         | 10,213,779        | 12,505,922        | 10,783,631        | - 1,722,291                                                                 |
| Nouveau-Brunswick.....     | 4,548,535         | 5,383,809         | 4,798,589         | 5,325,478         | 4,406,673         | - 918,805                                                                   |
| Ontario.....               | 3,159,427         | 3,557,587         | 3,436,412         | 3,152,193         | 3,670,229         | + 518,036                                                                   |
| Québec.....                | 2,100,412         | 2,283,314         | 3,044,919         | 3,110,964         | 2,736,450         | - 374,514                                                                   |
| Manitoba.....              | 1,020,595         | 1,232,563         | 1,466,939         | 2,328,803         | 2,039,738         | - 289,065                                                                   |
| Ile du Prince-Edouard..... | 1,754,980         | 1,201,772         | 1,598,119         | 1,358,934         | 1,367,807         | + 8,873                                                                     |
| Alberta.....               | 438,737           | 339,107           | 458,504           | 749,076           | 712,469           | - 36,607                                                                    |
| Saskatchewan.....          | 286,643           | 482,492           | 494,882           | 444,288           | 503,609           | + 59,321                                                                    |
| Territoire du Yukon.....   | 11,917            | 18,773            | 15,370            | 17,866            | 12,090            | - 5,776                                                                     |
| <b>Total.....</b>          | <b>42,565,545</b> | <b>44,534,235</b> | <b>47,942,131</b> | <b>56,360,633</b> | <b>49,497,038</b> | <b>- 6,863,595</b>                                                          |

# 12. Quantité des principaux poissons dont on fait commerce et leur valeur par provinces, 1923-1927

## Ile du Prince-Édouard.

| Espèces          | 1923      | 1924    | 1925      | 1926    | 1927    | Augmentation<br>ou diminution<br>en 1927 sur<br>1926. (Aug. +,<br>dimin. -) |
|------------------|-----------|---------|-----------|---------|---------|-----------------------------------------------------------------------------|
| Homard..... qtx  | 97,456    | 65,893  | 78,570    | 66,298  | 62,800  | — 3,498                                                                     |
| \$               | 1,405,906 | 777,301 | 1,088,712 | 926,718 | 855,917 | — 70,801                                                                    |
| Eperlan..... qtx | 9,784     | 14,273  | 17,595    | 15,390  | 14,936  | — 454                                                                       |
| \$               | 121,233   | 133,747 | 142,496   | 98,670  | 179,232 | + 80,562                                                                    |
| Morue..... qtx   | 27,291    | 41,036  | 61,483    | 49,823  | 49,419  | — 404                                                                       |
| \$               | 61,395    | 81,885  | 150,135   | 118,380 | 128,830 | + 10,450                                                                    |
| Hareng..... qtx  | 53,313    | 37,716  | 64,942    | 63,930  | 51,834  | — 12,096                                                                    |
| \$               | 76,975    | 58,664  | 83,703    | 89,915  | 88,368  | — 1,547                                                                     |
| Huitres..... qtx | 4,035     | 7,945   | 5,278     | 5,161   | 4,071   | — 1,090                                                                     |
| \$               | 40,350    | 63,840  | 52,780    | 61,898  | 48,838  | — 13,060                                                                    |

## Nouvelle-Ecosse

|                             |           |           |           |           |           |             |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-------------|
| Morue..... qtx              | 1,048,943 | 1,129,801 | 1,408,238 | 1,858,944 | 1,331,873 | — 527,071   |
| \$                          | 2,434,492 | 3,309,209 | 3,760,833 | 4,652,858 | 3,455,772 | — 1,197,086 |
| Homard..... qtx             | 172,720   | 115,275   | 170,698   | 184,316   | 179,672   | — 4,643     |
| \$                          | 3,081,647 | 1,904,407 | 3,014,963 | 3,386,416 | 3,255,627 | — 130,789   |
| Eglefin..... qtx            | 297,023   | 320,804   | 323,718   | 458,292   | 384,207   | — 74,085    |
| \$                          | 1,029,787 | 975,660   | 1,134,327 | 1,671,971 | 1,402,135 | — 269,836   |
| Hareng..... qtx             | 165,886   | 267,413   | 206,863   | 264,823   | 214,560   | — 50,263    |
| \$                          | 205,391   | 542,658   | 434,130   | 547,548   | 482,378   | — 65,170    |
| Flétan..... qtx             | 19,197    | 27,407    | 20,270    | 23,725    | 27,551    | + 3,826     |
| \$                          | 319,199   | 441,113   | 282,118   | 381,720   | 468,679   | + 86,959    |
| Maquereau..... qtx          | 79,184    | 114,662   | 117,599   | 67,580    | 72,306    | + 4,726     |
| \$                          | 388,051   | 688,350   | 445,185   | 285,961   | 338,851   | + 52,890    |
| Saumon..... qtx             | 11,217    | 10,127    | 8,422     | 13,428    | 12,819    | — 609       |
| \$                          | 202,090   | 181,966   | 157,124   | 253,272   | 233,189   | — 20,083    |
| Pétoncles..... brl.         | 11,839    | 7,504     | 12,404    | 19,918    | 37,807    | + 17,689    |
| \$                          | 72,547    | 51,793    | 76,025    | 138,472   | 212,838   | + 74,366    |
| Merluche et lingue..... qtx | 58,819    | 119,988   | 91,027    | 91,946    | 119,431   | + 27,485    |
| \$                          | 93,186    | 203,352   | 183,465   | 135,517   | 153,840   | + 18,323    |
| Eperlan..... qtx            | 7,169     | 8,186     | 8,328     | 10,981    | 7,110     | — 3,871     |
| \$                          | 120,816   | 131,523   | 130,182   | 165,630   | 124,653   | — 40,977    |
| Espadon..... qtx            | 14,343    | 5,575     | 4,551     | 12,936    | 7,299     | — 5,637     |
| \$                          | 155,020   | 99,157    | 78,209    | 207,248   | 120,692   | — 86,556    |

## Nouveau-Brunswick

|                               |           |           |           |           |           |           |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Sarjines..... brl.            | 134,494   | 269,643   | 158,259   | 171,637   | 174,640   | + 3,003   |
| \$                            | 1,616,635 | 1,241,508 | 1,016,325 | 1,172,490 | 1,046,350 | — 126,240 |
| Homard..... qtx               | 73,688    | 68,303    | 65,894    | 59,611    | 49,752    | — 9,859   |
| \$                            | 1,339,155 | 1,203,564 | 1,069,722 | 1,135,664 | 955,053   | — 180,611 |
| Eperlan..... qtx              | 43,210    | 63,975    | 46,692    | 59,400    | 46,184    | — 13,216  |
| \$                            | 582,203   | 844,730   | 718,149   | 850,913   | 686,163   | — 164,750 |
| Saumon..... qtx               | 20,682    | 33,563    | 30,073    | 25,131    | 22,464    | — 2,667   |
| \$                            | 250,838   | 425,800   | 428,558   | 408,397   | 414,280   | + 5,883   |
| Hareng..... qtx               | 251,100   | 333,530   | 372,710   | 422,897   | 412,833   | — 10,064  |
| \$                            | 270,863   | 367,037   | 385,354   | 529,195   | 379,616   | — 149,579 |
| Morue..... qtx                | 236,571   | 259,166   | 205,544   | 201,425   | 136,773   | — 64,652  |
| \$                            | 585,314   | 643,321   | 512,013   | 478,770   | 284,662   | — 194,108 |
| Clovisse et mactres..... brl. | 22,645    | 33,444    | 19,496    | 27,278    | 33,197    | + 5,919   |
| \$                            | 103,923   | 137,099   | 88,426    | 111,362   | 130,698   | + 19,336  |
| Huitres..... brl.             | 14,574    | 17,201    | 12,038    | 12,383    | 13,574    | + 1,191   |
| \$                            | 67,123    | 103,040   | 88,693    | 92,535    | 100,576   | + 8,041   |

### 12. Quantité des principaux poissons dont on fait commerce et leur valeur par provinces, 1923-1927—suite

#### Nouveau-Brunswick—fin

| Espèces                 |           | 1923             | 1924             | 1925             | 1926              | 1927             | Augmentation<br>ou diminution<br>en 1927 sur<br>1926. (Aug. +,<br>dimin. -) |
|-------------------------|-----------|------------------|------------------|------------------|-------------------|------------------|-----------------------------------------------------------------------------|
| Tacaud.....             | qtx<br>\$ | 10,873<br>31,587 | 13,375<br>50,209 | 13,056<br>41,517 | 17,079<br>61,242  | 20,246<br>91,979 | +<br>+ 3,167<br>30,737                                                      |
| Eglefin.....            | qtx<br>\$ | 6,715<br>14,782  | 16,638<br>37,039 | 18,186<br>32,546 | 35,038<br>76,480  | 33,834<br>72,924 | -<br>- 1,204<br>3,556                                                       |
| Gasparot.....           | qtx<br>\$ | 44,010<br>67,911 | 21,298<br>40,499 | 34,879<br>65,295 | 52,875<br>116,727 | 40,094<br>65,373 | -<br>- 12,781<br>51,354                                                     |
| Merluche et lingue..... | qtx<br>\$ | 22,564<br>27,798 | 56,978<br>85,360 | 66,892<br>87,146 | 43,818<br>45,104  | 45,759<br>60,302 | +<br>+ 1,941<br>15,198                                                      |

#### Québec

|                |           |                    |                      |                      |                      |                      |                           |
|----------------|-----------|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------------|
| Morue.....     | qtx<br>\$ | 409,701<br>795,140 | 417,783<br>1,120,570 | 602,099<br>1,545,804 | 584,567<br>1,408,516 | 460,573<br>1,011,795 | -<br>- 123,994<br>396,721 |
| Homard.....    | atx<br>\$ | 37,764<br>538,664  | 22,742<br>283,899    | 25,676<br>379,580    | 29,358<br>434,874    | 24,606<br>359,579    | -<br>- 4,752<br>75,295    |
| Hareng.....    | qtx<br>\$ | 226,426<br>190,462 | 206,135<br>161,119   | 236,028<br>246,115   | 326,416<br>278,795   | 262,521<br>238,093   | -<br>- 63,895<br>40,702   |
| Maquereau..... | qtx<br>\$ | 46,211<br>157,864  | 79,437<br>246,278    | 47,135<br>131,229    | 22,765<br>71,353     | 70,765<br>185,296    | +<br>+ 48,000<br>113,943  |
| Saumon.....    | qtx<br>\$ | 14,765<br>137,024  | 15,080<br>136,725    | 20,714<br>189,318    | 15,536<br>159,303    | 14,840<br>152,710    | -<br>- 696<br>6,593       |
| Doré.....      | qtx<br>\$ | 1,807<br>19,010    | 1,226<br>16,883      | 2,016<br>40,211      | 2,104<br>39,214      | 8,064<br>137,165     | +<br>+ 5,960<br>97,951    |
| Anguille.....  | qtx<br>\$ | 12,338<br>73,946   | 11,918<br>86,756     | 11,816<br>104,463    | 21,172<br>195,608    | 13,570<br>113,148    | -<br>- 7,602<br>82,460    |
| Eperlan.....   | qtx<br>\$ | 4,055<br>34,677    | 2,854<br>32,468      | 3,400<br>37,243      | 5,259<br>41,811      | 13,428<br>110,823    | +<br>+ 8,169<br>69,012    |
| Carpe.....     | qtx<br>\$ | -<br>-             | 3,224<br>25,472      | 2,563<br>18,216      | 4,868<br>60,325      | 5,082<br>63,298      | +<br>+ 164<br>2,473       |

#### Ontario

|                    |           |                    |                    |                     |                   |                     |                         |
|--------------------|-----------|--------------------|--------------------|---------------------|-------------------|---------------------|-------------------------|
| Truite.....        | qtx<br>\$ | 62,553<br>761,322  | 68,821<br>901,555  | 73,257<br>1,003,621 | 69,127<br>933,214 | 74,978<br>1,192,150 | +<br>+ 5,851<br>258,936 |
| Poisson blanc..... | qtx<br>\$ | 65,250<br>854,391  | 66,918<br>869,934  | 70,583<br>924,638   | 64,049<br>864,661 | 61,658<br>937,202   | -<br>+ 2,391<br>72,541  |
| Hareng.....        | qtx<br>\$ | 108,512<br>487,633 | 125,013<br>625,065 | 45,555<br>250,554   | 44,122<br>264,732 | 58,099<br>302,114   | +<br>+ 13,977<br>37,382 |
| Doré.....          | qtx<br>\$ | 26,912<br>352,546  | 29,646<br>400,221  | 25,677<br>370,774   | 23,071<br>299,923 | 21,163<br>300,529   | -<br>+ 1,908<br>606     |
| Perche.....        | qtx<br>\$ | 27,009<br>159,354  | 25,158<br>150,948  | 23,317<br>139,902   | 20,678<br>124,068 | 28,180<br>211,352   | +<br>+ 7,502<br>87,284  |
| Tullipi.....       | qtx<br>\$ | 3,151<br>20,795    | 5,004<br>32,526    | 9,109<br>66,041     | 11,971<br>125,695 | 15,520<br>194,001   | +<br>+ 3,549<br>68,306  |
| Sandre.....        | qtx<br>\$ | 32,547<br>179,011  | 30,601<br>168,306  | 34,453<br>275,624   | 30,385<br>182,310 | 31,173<br>187,038   | +<br>+ 788<br>4,728     |
| Brochet.....       | qtx<br>\$ | 11,962<br>61,127   | 12,933<br>65,958   | 13,163<br>75,683    | 12,954<br>97,155  | 14,002<br>98,014    | +<br>+ 1,048<br>859     |

#### Manitoba

|                    |           |                   |                   |                   |                   |                    |                         |
|--------------------|-----------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------------|
| Doré.....          | qtx<br>\$ | 68,096<br>484,982 | 62,486<br>528,426 | 48,953<br>562,881 | 87,251<br>900,608 | 99,813<br>894,854  | +<br>- 12,562<br>95,754 |
| Tullipi.....       | qtx<br>\$ | 18,952<br>98,279  | 34,363<br>125,258 | 49,539<br>207,622 | 85,267<br>501,814 | 102,451<br>419,103 | +<br>- 17,184<br>82,711 |
| Poisson blanc..... | qtx<br>\$ | 25,491<br>183,459 | 27,904<br>265,076 | 38,078<br>361,849 | 54,122<br>490,625 | 49,114<br>418,461  | -<br>- 5,008<br>72,164  |



## 12. Quantité des principaux poissons dont on fait commerce et leur valeur par provinces, 1923-1927—fin

## Manitoba—fin

| Espèces        |     | 1923   | 1924    | 1925    | 1926    | 1927    | Augmentation<br>ou diminution<br>en 1927 sur<br>1926. (Aug.+,<br>dimin.-) |
|----------------|-----|--------|---------|---------|---------|---------|---------------------------------------------------------------------------|
| Brochet.....   | qtx | 24,103 | 30,314  | 27,305  | 43,467  | 40,166  | — 3,301                                                                   |
|                | \$  | 89,734 | 104,973 | 110,222 | 176,425 | 149,658 | + 26,767                                                                  |
| Oeil d'or..... | qtx | 6,110  | 6,533   | 7,205   | 11,625  | 11,420  | — 205                                                                     |
|                | \$  | 43,761 | 35,495  | 70,080  | 85,099  | 115,190 | + 30,091                                                                  |
| Perche.....    | qtx | 1,770  | 2,359   | 1,677   | 1,080   | 820     | — 260                                                                     |
|                | \$  | 88,030 | 122,251 | 71,252  | 58,074  | 44,690  | + 13,384                                                                  |

## Saskatchewan

|                    |     |         |         |         |         |         |          |
|--------------------|-----|---------|---------|---------|---------|---------|----------|
| Poisson blanc..... | qtx | 24,607  | 42,393  | 44,978  | 37,667  | 41,323  | + 3,656  |
|                    | \$  | 207,264 | 363,532 | 384,700 | 326,058 | 389,185 | + 63,127 |
| Doré.....          | qtx | 1,943   | 3,556   | 2,896   | 2,918   | 3,753   | + 835    |
|                    | \$  | 15,944  | 28,576  | 25,738  | 25,520  | 34,224  | + 8,704  |
| Truite.....        | qtx | 1,753   | 2,839   | 3,146   | 3,106   | 2,700   | — 406    |
|                    | \$  | 16,999  | 28,891  | 30,980  | 33,483  | 29,784  | — 3,699  |
| Brochet.....       | qtx | 3,753   | 5,393   | 4,153   | 4,354   | 3,731   | — 623    |
|                    | \$  | 24,307  | 35,920  | 28,285  | 26,606  | 24,215  | — 2,391  |
| Mulet.....         | qtx | 2,476   | 2,816   | 2,785   | 3,139   | 2,647   | — 492    |
|                    | \$  | 13,503  | 15,069  | 14,598  | 14,191  | 10,871  | — 3,320  |

## Alberta

|                    |     |         |         |         |         |         |          |
|--------------------|-----|---------|---------|---------|---------|---------|----------|
| Poisson blanc..... | qtx | 41,649  | 29,931  | 32,349  | 34,132  | 32,355  | — 1,777  |
|                    | \$  | 374,460 | 241,696 | 310,665 | 478,660 | 434,449 | + 44,211 |
| Truite.....        | qtx | 2,406   | 3,602   | 2,746   | 3,907   | 10,882  | + 6,975  |
|                    | \$  | 22,636  | 36,102  | 31,930  | 46,418  | 126,955 | + 80,537 |
| Doré.....          | qtx | 3,476   | 3,921   | 6,943   | 10,374  | 6,746   | — 3,628  |
|                    | \$  | 20,639  | 28,159  | 52,645  | 116,175 | 65,257  | — 50,918 |
| Brochet.....       | qtx | 2,859   | 4,311   | 7,438   | 9,780   | 10,473  | + 693    |
|                    | \$  | 13,680  | 17,275  | 42,889  | 83,559  | 63,516  | — 20,043 |

## Colombie Britannique

|                                 |      |            |            |            |            |            |             |
|---------------------------------|------|------------|------------|------------|------------|------------|-------------|
| Saumon.....                     | qtx  | 1,514,765  | 1,965,159  | 1,873,376  | 2,125,555  | 1,490,395  | — 635,160   |
|                                 | \$   | 11,936,668 | 13,027,251 | 14,973,885 | 18,769,605 | 14,253,803 | + 4,515,802 |
| Flétan.....                     | qtx  | 334,667    | 331,382    | 318,240    | 315,095    | 300,532    | — 14,563    |
|                                 | \$   | 6,271,993  | 5,427,542  | 3,891,819  | 4,543,320  | 3,841,333  | + 702,387   |
| Hareng.....                     | qtx  | 1,035,823  | 1,157,625  | 1,437,875  | 1,301,269  | 1,724,246  | + 422,977   |
|                                 | \$   | 1,338,450  | 1,392,580  | 1,717,985  | 1,528,734  | 1,867,426  | + 338,695   |
| Pilchard.....                   | qtx  | 19,492     | 27,485     | 318,973    | 969,958    | 1,368,582  | + 398,624   |
|                                 | \$   | 92,036     | 82,881     | 182,911    | 1,256,721  | 1,838,867  | + 582,146   |
| Morue longue <sup>2</sup> ..... | qtx  | —          | —          | —          | —          | 49,912     | —           |
|                                 | \$   | —          | —          | —          | —          | 401,259    | —           |
| Morue noire.....                | qtx  | 16,679     | 18,183     | 14,956     | 10,358     | 16,430     | + 6,072     |
|                                 | \$   | 136,492    | 130,334    | 114,315    | 89,371     | 123,421    | + 34,050    |
| Clovises et mactres.....        | brl. | 14,466     | 20,030     | 26,527     | 12,813     | 14,419     | + 1,606     |
|                                 | \$   | 87,216     | 153,472    | 161,764    | 105,409    | 96,182     | — 9,227     |
| Soles.....                      | qtx  | 3,675      | 4,847      | 4,978      | 6,518      | 12,638     | + 6,120     |
|                                 | \$   | 28,757     | 31,455     | 36,404     | 45,675     | 82,180     | + 36,505    |
| Crabes.....                     | qtx  | 8,373      | 5,957      | 6,979      | 8,389      | 8,404      | + 15        |
|                                 | \$   | 61,482     | 40,197     | 50,605     | 63,295     | 68,477     | + 5,182     |

## Territoire du Yukon

|                    |     |       |        |       |        |       |         |
|--------------------|-----|-------|--------|-------|--------|-------|---------|
| Saumon.....        | qtx | 275   | 684    | 585   | 656    | 805   | + 149   |
|                    | \$  | 6,875 | 11,628 | 9,945 | 12,490 | 8,050 | + 4,440 |
| Poisson blanc..... | qtx | 100   | 150    | 115   | 89     | 70    | — 19    |
|                    | \$  | 2,512 | 3,750  | 2,875 | 2,492  | 1,400 | — 1,092 |
| Truite.....        | qtx | 71    | 115    | 82    | 91     | 50    | — 41    |
|                    | \$  | 1,788 | 2,875  | 2,050 | 2,548  | 1,000 | — 1,548 |

<sup>1</sup> Le total de 1926 comprend l'huile et la poudre tandis qu'en 1925 ces deux éléments étaient inclus dans huile et poudre de poisson. <sup>2</sup> Compris avec morue antérieurement à 1927.

### 13. Quantité et valeur de tout le poisson pêché et mis en vente durant l'année 1927 par provinces

| Espèces                                           | Pêcheries maritimes   |           |                 |              |                   |            |          |            |                      |           |           |
|---------------------------------------------------|-----------------------|-----------|-----------------|--------------|-------------------|------------|----------|------------|----------------------|-----------|-----------|
|                                                   | Île du Prince-Edouard |           | Nouvelle-Écosse |              | Nouveau-Brunswick |            | Québec   |            | Colombie Britannique |           |           |
|                                                   | Quantité              | Valeur    | Quantité        | Valeur       | Quantité          | Valeur     | Quantité | Valeur     | Quantité             | Valeur    |           |
| <b>Morue, prise.....</b> qtx                      | 49,419                | \$ 77,681 | 1,331,873       | \$ 2,433,699 | 136,773           | \$ 211,442 | 460,573  | \$ 724,740 | 165                  | \$ 470    |           |
| Mise en vente:                                    |                       |           |                 |              |                   |            |          |            |                      |           |           |
| fraîche.....                                      | qtx                   | 9,578     | 47,270          | 100,691      | 383,810           | 13,599     | 50,349   | 6,898      | 23,285               | 98        | 273       |
| filets frais.....                                 | qtx                   | -         | -               | 11,195       | 113,676           | 603        | 2,884    | -          | -                    | -         | -         |
| en saumure.....                                   | qtx                   | 19,490    | 78,607          | 78,114       | 330,500           | 10,049     | 41,162   | 16,621     | 60,401               | 32        | 224       |
| en boîte.....                                     | caisses               | -         | -               | 2,166        | 17,680            | -          | -        | 250        | 1,516                | -         | -         |
| filets, fumés.....                                | qtx                   | -         | -               | 52,540       | 637,530           | 163        | 1,879    | -          | -                    | 1         | 16        |
| fumée.....                                        | qtx                   | -         | -               | 216          | 1,728             | -          | -        | -          | -                    | -         | -         |
| séchée.....                                       | qtx                   | 320       | 1,750           | 274,103      | 1,637,001         | 33,720     | 169,548  | 139,513    | 873,898              | -         | -         |
| huile de foie de                                  | -                     | -         | -               | 22,639       | 217,908           | 166        | 1,669    | 1,020      | 10,200               | -         | -         |
| morue médicinale gal.                             | -                     | -         | -               | 57,264       | 53,130            | 12,489     | 12,226   | 22,640     | 18,924               | 204       | 408       |
| huile de morue..... gal.                          | 4,010                 | 1,203     | 133,555         | 62,809       | 14,294            | 4,945      | 62,165   | 23,571     | -                    | -         | -         |
| Total, valeur marchande..                         | -                     | 128,830   | -               | 3,455,772    | -                 | 284,662    | -        | 1,011,795  | -                    | -         | 921       |
| <b>Eglefin, pris.....</b> qtx                     | 1,168                 | 2,613     | 384,207         | 660,669      | 33,834            | 61,400     | 2,500    | 2,500      | -                    | -         | -         |
| Mis en vente:                                     |                       |           |                 |              |                   |            |          |            |                      |           |           |
| frais.....                                        | qtx                   | 650       | 3,010           | 134,848      | 511,390           | 24,647     | 56,009   | -          | -                    | -         | -         |
| filets frais.....                                 | qtx                   | -         | -               | 21,366       | 235,144           | -          | -        | -          | -                    | -         | -         |
| en boîte.....                                     | caisses               | -         | -               | 10,969       | 74,856            | -          | -        | -          | -                    | -         | -         |
| fumé.....                                         | qtx                   | -         | -               | 37,782       | 303,238           | 324        | 3,043    | -          | -                    | -         | -         |
| filets fumés.....                                 | qtx                   | -         | -               | 17,928       | 206,899           | -          | -        | -          | -                    | -         | -         |
| en saumure.....                                   | qtx                   | 259       | 777             | 2,896        | 9,478             | 862        | 2,584    | -          | -                    | -         | -         |
| séché.....                                        | qtx                   | -         | -               | 14,475       | 61,130            | 2,436      | 11,288   | 833        | 4,998                | -         | -         |
| Total, valeur marchande..                         | -                     | 3,787     | -               | 1,402,135    | -                 | 72,924     | -        | 4,998      | -                    | -         | -         |
| <b>Merluche et lingue, prises.....</b> qtx        | 11,326                | 8,403     | 119,431         | 98,543       | 45,759            | 24,704     | 830      | 848        | 21                   | 91        | -         |
| Mise en vente:                                    |                       |           |                 |              |                   |            |          |            |                      |           |           |
| fraîches.....                                     | qtx                   | 190       | 440             | 5,845        | 9,180             | 637        | 744      | -          | -                    | 24        | 102       |
| filets frais.....                                 | qtx                   | -         | -               | 650          | 4,030             | -          | -        | -          | -                    | -         | -         |
| en saumure.....                                   | qtx                   | 4,350     | 13,050          | 22,306       | 41,121            | 12,515     | 26,824   | -          | -                    | -         | -         |
| filets fumés.....                                 | qtx                   | -         | -               | 2,448        | 21,927            | 30         | 390      | -          | -                    | -         | -         |
| séchées.....                                      | qtx                   | 815       | 3,290           | 18,315       | 71,032            | 6,322      | 30,202   | 276        | 1,380                | -         | -         |
| sans arêtes.....                                  | qtx                   | -         | -               | 1,096        | 6,580             | 288        | 2,142    | -          | -                    | -         | -         |
| Total, valeur marchande..                         | -                     | 16,780    | -               | 153,810      | -                 | 60,302     | -        | 1,380      | -                    | -         | 102       |
| <b>Merlan, pris.....</b> qtx                      | -                     | -         | 27,357          | 28,438       | 7,693             | 9,525      | -        | -          | -                    | -         | -         |
| Mis en vente:                                     |                       |           |                 |              |                   |            |          |            |                      |           |           |
| frais.....                                        | qtx                   | -         | -               | 2,614        | 7,456             | 164        | 174      | -          | -                    | -         | -         |
| en saumure.....                                   | qtx                   | -         | -               | 3,600        | 8,869             | 2,350      | 8,039    | -          | -                    | -         | -         |
| séché.....                                        | qtx                   | -         | -               | 6,526        | 31,860            | 917        | 6,059    | -          | -                    | -         | -         |
| sans arêtes.....                                  | qtx                   | -         | -               | 14           | 140               | -          | -        | -          | -                    | -         | -         |
| Total, valeur marchande..                         | -                     | -         | -               | 48,325       | -                 | 14,272     | -        | -          | -                    | -         | -         |
| <b>Colin, pris.....</b> qtx                       | -                     | -         | -               | -            | -                 | -          | -        | -          | 69                   | 345       | -         |
| Mis en vente, frais.....                          | qtx                   | -         | -               | -            | -                 | -          | -        | -          | 69                   | 487       | -         |
| <b>Barbotte, prise.....</b> qtx                   | -                     | -         | 1,105           | 967          | -                 | -          | -        | -          | -                    | -         | -         |
| Mise en vente, fraîche                            | qtx                   | -         | -               | 1,105        | 3,851             | -          | -        | -          | -                    | -         | -         |
| <b>Flétan, pris.....</b> qtx                      | -                     | -         | 27,551          | 342,391      | 101               | 1,912      | 848      | 6,561      | 300,532              | 3,343,138 | -         |
| Mis en vente:                                     |                       |           |                 |              |                   |            |          |            |                      |           |           |
| frais.....                                        | qtx                   | -         | -               | 27,292       | 465,680           | 101        | 1,912    | 848        | 6,817                | 300,495   | 3,840,963 |
| fumé.....                                         | qtx                   | -         | -               | 15           | 300               | -          | -        | -          | -                    | 19        | 370       |
| en boîte.....                                     | caisses               | -         | -               | 269          | 2,699             | -          | -        | -          | -                    | -         | -         |
| Total, valeur marchande..                         | -                     | -         | -               | 468,679      | -                 | 1,912      | -        | 6,817      | -                    | 3,841,333 | -         |
| <b>Carrelet, barbue, plie, etc, pris.....</b> qtx | -                     | -         | 8,195           | 13,673       | 1,188             | 2,605      | -        | -          | 3,473                | 11,091    | -         |
| Mis en vente, frais.....                          | qtx                   | -         | -               | 8,195        | 39,982            | 1,188      | 3,802    | -          | -                    | 3,473     | 17,631    |
| <b>Bale, prise.....</b> qtx                       | -                     | -         | 7,045           | 7,041        | 157               | 234        | -        | -          | 1,102                | 3,283     | -         |
| Mise en vente, fraîche                            | qtx                   | -         | -               | 7,045        | 20,486            | 157        | 431      | -          | -                    | 1,103     | 5,490     |
| <b>Sole, prise.....</b> qtx                       | -                     | -         | 12,437          | 19,695       | -                 | -          | -        | -          | 12,638               | 62,753    | -         |
| Mise en vente—:                                   |                       |           |                 |              |                   |            |          |            |                      |           |           |
| fraîche.....                                      | qtx                   | -         | -               | 10,151       | 45,748            | -          | -        | -          | -                    | 12,638    | 82,180    |
| filets frais.....                                 | qtx                   | -         | -               | 762          | 15,970            | -          | -        | -          | -                    | -         | -         |
| qtx                                               | -                     | -         | -               | 61,718       | -                 | -          | -        | -          | -                    | -         | 82,180    |
| <b>Hareng, pris.....</b> qtx                      | 51,834                | 71,908    | 214,560         | 225,175      | 412,833           | 249,328    | 257,439  | 139,724    | 1,724,246            | 1,342,032 | -         |
| Mis en vente:                                     |                       |           |                 |              |                   |            |          |            |                      |           |           |
| frais.....                                        | qtx                   | 7,023     | 27,224          | 68,958       | 178,956           | 95,419     | 60,504   | 3,265      | 13,649               | 21,674    | 70,725    |
| sans arêtes.....                                  | qtx                   | -         | -               | 4            | 48                | -          | -        | -          | -                    | -         | -         |
| en boîte.....                                     | caisses               | -         | -               | 260          | 1,872             | 9,216      | 39,871   | -          | -                    | -         | -         |
| fumé.....                                         | qtx                   | -         | -               | 18,619       | 101,410           | 17,613     | 50,753   | 12,530     | 41,800               | 15,005    | 54,305    |
| salé à sec.....                                   | qtx                   | 390       | 2,340           | 35           | 246               | -          | -        | -          | -                    | 1,048,190 | 1,483,440 |
| mariné.....                                       | brl                   | 632       | 5,006           | 15,405       | 83,949            | 6,918      | 31,619   | 9,993      | 62,615               | 138       | 2,569     |
| utilisé com. boîte.                               | brl                   | 20,287    | 53,798          | 34,852       | 99,123            | 37,396     | 65,239   | 60,337     | 72,830               | 29,774    | 94,347    |
| engrais.....                                      | brl                   | -         | -               | 278          | 418               | 89,320     | 92,798   | 37,366     | 18,820               | -         | -         |
| huile.....                                        | gal.                  | -         | -               | -            | -                 | 23,320     | 8,051    | -          | -                    | 170,450   | 61,565    |
| poudre.....                                       | ton                   | -         | -               | 277          | 16,356            | 587        | 23,500   | -          | -                    | 1,838     | 97,478    |
| écaïlles.....                                     | qtx                   | -         | -               | -            | -                 | 1,820      | 7,281    | -          | -                    | 1,000     | 3,000     |
| Total, valeur marchande..                         | -                     | 88,368    | -               | 482,378      | -                 | 379,616    | -        | 209,714    | -                    | 1,867,429 | -         |

¹ Voir aussi pêcheries intérieures.

13. Quantité et valeur de tout le poisson pêché et mis en vente durant l'année 1927  
par provinces—suite

| Espèces                            | Pêcheries maritimes   |         |                 |         |                                |           |                     |         |                      |            |
|------------------------------------|-----------------------|---------|-----------------|---------|--------------------------------|-----------|---------------------|---------|----------------------|------------|
|                                    | Île du Prince-Edouard |         | Nouvelle-Ecosse |         | Nouveau-Brunswick <sup>1</sup> |           | Québec <sup>1</sup> |         | Colombie Britannique |            |
|                                    | Quantité              | Valeur  | Quantité        | Valeur  | Quantité                       | Valeur    | Quantité            | Valeur  | Quantité             | Valeur     |
|                                    |                       | \$      |                 | \$      |                                | \$        |                     | \$      |                      | \$         |
| <b>Maquereau, pris.....</b> qtx    | 6,455                 | 19,889  | 72,306          | 236,796 | 9,271                          | 15,457    | 70,765              | 127,828 | -                    | -          |
| Mis en vente:                      |                       |         |                 |         |                                |           |                     |         |                      |            |
| frais.....                         | qtx                   | 3,347   | 16,133          | 22,555  | 152,532                        | 8,656     | 28,253              | 6,835   | 8,025                | -          |
| en boîte.....                      | caisses               | 130     | 992             | -       | -                              | -         | -                   | -       | -                    | -          |
| fumé.....                          | qtx                   | -       | 37              | 424     | -                              | -         | -                   | -       | -                    | -          |
| salé.....                          | brl                   | 1,005   | 11,130          | 16,611  | 185,820                        | 205       | 2,050               | 21,300  | 177,271              | -          |
| utilisé com. boîte.....            | brl                   | -       | 25              | 75      | -                              | -         | -                   | -       | -                    | -          |
| Total, valeur marchande..          | -                     | 28,255  | -               | 338,851 | -                              | 30,303    | -                   | 185,296 | -                    | -          |
| <b>Sardine, prise.....</b> brl     | -                     | -       | -               | -       | 174,640                        | 203,340   | 55                  | 190     | -                    | -          |
| Mise en vente:                     |                       |         |                 |         |                                |           |                     |         |                      |            |
| en boîte.....                      | caisses               | -       | -               | -       | 240,091                        | 888,336   | -                   | -       | -                    | -          |
| fraîche et salée.....              | brl                   | -       | -               | -       | 116,640                        | 157,914   | 55                  | 325     | -                    | -          |
| Total, valeur marchande..          | -                     | -       | -               | -       | -                              | 1,046,250 | -                   | 325     | -                    | -          |
| <b>Pilchard, pris.....</b> qtx     | -                     | -       | -               | -       | -                              | -         | -                   | -       | 1,368,582            | 1,027,746  |
| Mis en vente:                      |                       |         |                 |         |                                |           |                     |         |                      |            |
| frais.....                         | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 2,017                | 3,482      |
| en boîte.....                      | caisses               | -       | -               | -       | -                              | -         | -                   | -       | 58,501               | 230,582    |
| boîte.....                         | brl                   | -       | -               | -       | -                              | -         | -                   | -       | 1,737                | 4,719      |
| huile.....                         | gal.                  | -       | -               | -       | -                              | -         | -                   | -       | 2,673,876            | 982,786    |
| poudre.....                        | tonnes                | -       | -               | -       | -                              | -         | -                   | -       | 12,169               | 617,298    |
| Total, valeur marchande..          | -                     | -       | -               | -       | -                              | -         | -                   | -       | -                    | 1,838,867  |
| <b>Gasparot, pris.....</b> qtx     | -                     | -       | 14,681          | 14,276  | 39,434                         | 33,496    | -                   | -       | -                    | -          |
| Mis en vente:                      |                       |         |                 |         |                                |           |                     |         |                      |            |
| frais.....                         | qtx                   | -       | 6,331           | 9,369   | 5,062                          | 6,376     | -                   | -       | -                    | -          |
| fumé.....                          | qtx                   | -       | 984             | 2,788   | 2,106                          | 8,553     | -                   | -       | -                    | -          |
| salé.....                          | brl                   | -       | 2,127           | 9,078   | 10,842                         | 48,464    | -                   | -       | -                    | -          |
| Total, valeur marchande..          | -                     | -       | -               | 21,235  | -                              | 63,393    | -                   | -       | -                    | -          |
| <b>Bar, pris.....</b> qtx          | -                     | -       | 64              | 565     | 482                            | 4,213     | -                   | -       | -                    | -          |
| Mis en vente, frais.....           | qtx                   | -       | 64              | 705     | 482                            | 9,338     | -                   | -       | -                    | -          |
| <b>Perche, prise.....</b> qtx      | -                     | -       | -               | -       | 3                              | 9         | -                   | -       | 1,331                | 19,364     |
| Mis en vente, fraîche.....         | qtx                   | -       | -               | -       | 3                              | 18        | -                   | -       | 1,351                | 12,402     |
| <b>Saumon, pris.....</b> qtx       | 124                   | 2,434   | 12,819          | 181,583 | 22,086                         | 295,053   | 14,084              | 137,384 | 1,490,355            | 8,194,577  |
| Mis en vente:                      |                       |         |                 |         |                                |           |                     |         |                      |            |
| frais.....                         | qtx                   | 124     | 3,031           | 12,100  | 222,323                        | 22,086    | 405,030             | 11,837  | 125,206              | 210,096    |
| en boîte.....                      | caisses               | -       | -               | 575     | 6,645                          | -         | -                   | 683     | 7,285                | 1,361,977  |
| fumé.....                          | qtx                   | -       | -               | 139     | 4,221                          | -         | -                   | -       | -                    | 432        |
| salé à sec.....                    | qtx                   | -       | -               | -       | -                              | -         | 500                 | 5,000   | 81,170               | 317,218    |
| fumé doux.....                     | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 21,918               | 475,438    |
| mariné.....                        | qtx                   | -       | -               | -       | -                              | -         | 616                 | 3,759   | 384                  | 5,760      |
| œufs de.....                       | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 1,147                | 1,660      |
| utilisé c. boîte.....              | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 93                   | 232        |
| Total, valeur marchande..          | -                     | 3,031   | -               | 233,189 | -                              | 405,030   | -                   | 141,250 | -                    | 14,253,803 |
| <b>Alose, prise.....</b> qtx       | -                     | -       | 280             | 3,071   | 2,729                          | 19,889    | 152                 | 1,356   | -                    | -          |
| Mis en vente:                      |                       |         |                 |         |                                |           |                     |         |                      |            |
| fraîche.....                       | qtx                   | -       | 220             | 3,409   | 2,714                          | 26,662    | 152                 | 1,356   | -                    | -          |
| salée.....                         | brl                   | -       | 20              | 600     | 6                              | 132       | -                   | -       | -                    | -          |
| Total, valeur marchande..          | -                     | -       | -               | 4,009   | -                              | 26,194    | -                   | 1,356   | -                    | -          |
| <b>Eperlan, pris.....</b> qtx      | 14,936                | 126,459 | 7,110           | 77,679  | 46,184                         | 434,548   | 4,289               | 35,188  | 1,104                | 12,829     |
| Mis en vente, frais.....           | qtx                   | 14,936  | 179,232         | 7,110   | 124,653                        | 46,184    | 686,163             | 4,289   | 38,108               | 1,104      |
| <b>Esturgeon, pris.....</b> qtx    | -                     | -       | 10              | 85      | -                              | -         | 18                  | 180     | 359                  | 7,229      |
| Mis en vente, frais.....           | qtx                   | -       | 10              | 191     | -                              | -         | 18                  | 180     | 359                  | 7,971      |
| <b>Truite, prise.....</b> qtx      | 61                    | 606     | 1,022           | 17,771  | 172                            | 3,998     | 752                 | 7,714   | 96                   | 1,024      |
| Mise en vente:                     |                       |         |                 |         |                                |           |                     |         |                      |            |
| fraîche.....                       | qtx                   | 61      | 646             | 1,022   | 19,457                         | 172       | 3,998               | 626     | 6,780                | 96         |
| en boîte.....                      | caisses               | -       | -               | -       | -                              | -         | -                   | 96      | 719                  | -          |
| marinée.....                       | qtx                   | -       | -               | -       | -                              | -         | -                   | 30      | 225                  | -          |
| Total, valeur marchande..          | -                     | 646     | -               | 19,457  | -                              | 3,998     | -                   | 7,724   | -                    | 1,118      |
| <b>Cabillaud, pris.....</b> qtx    | -                     | -       | -               | -       | -                              | -         | -                   | -       | 16,430               | 85,167     |
| Mis en vente:                      |                       |         |                 |         |                                |           |                     |         |                      |            |
| frais.....                         | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 7,798                | 64,680     |
| en saumure.....                    | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 19                   | 207        |
| fumé.....                          | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 3,969                | 52,305     |
| Filets fumés.....                  | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 328                  | 6,229      |
| Total, valeur marchande..          | -                     | -       | -               | -       | -                              | -         | -                   | -       | -                    | 123,421    |
| <b>Morue rouge, prise.....</b> qtx | -                     | -       | -               | -       | -                              | -         | -                   | -       | 4,436                | 15,753     |
| Mise en vente, fraîche.....        | qtx                   | -       | -               | -       | -                              | -         | -                   | -       | 4,436                | 22,479     |

<sup>1</sup> Voir aussi pêcheries intérieures.

13. Quantité et valeur de tout le poisson pêché et mis en vente durant l'année 1927  
par provinces—suite

| Espèces                                         | Pêcheries maritimes   |         |                 |           |                                |         |                     |         |                      |            |
|-------------------------------------------------|-----------------------|---------|-----------------|-----------|--------------------------------|---------|---------------------|---------|----------------------|------------|
|                                                 | Île du Prince-Edouard |         | Nouvelle-Ecosse |           | Nouveau-Brunswick <sup>1</sup> |         | Québec <sup>1</sup> |         | Colombie Britannique |            |
|                                                 | Quantité              | Valeur  | Quantité        | Valeur    | Quantité                       | Valeur  | Quantité            | Valeur  | Quantité             | Valeur     |
| <b>Morue longue, prise...</b> qtx               | -                     | \$ -    | -               | \$ -      | -                              | \$ -    | -                   | \$ -    | 49,916               | \$ 287,918 |
| Mise en vente:                                  |                       |         |                 |           |                                |         |                     |         |                      |            |
| franches.....                                   | qtx                   | -       | -               | -         | -                              | -       | -                   | -       | 49,802               | 400,560    |
| fumée.....                                      | qtx                   | -       | -               | -         | -                              | -       | -                   | -       | 57                   | 609        |
| Total, valeur marchande..                       | -                     | -       | -               | -         | -                              | -       | -                   | -       | -                    | 401,259    |
| <b>Bonite, prise.....</b> qtx                   | -                     | -       | 3,362           | 18,122    | -                              | -       | -                   | -       | -                    | -          |
| Mise en vente, fraîche                          | qtx                   | -       | 3,362           | 25,941    | -                              | -       | -                   | -       | -                    | -          |
| <b>Capelan, pris.....</b> brl                   | 183                   | 635     | -               | -         | -                              | -       | 1,443               | 2,449   | -                    | -          |
| Mis en vente, frais....                         | brl                   | 183     | 850             | -         | -                              | -       | 1,443               | 2,449   | -                    | -          |
| <b>Anguille, prise.....</b> qtx                 | 131                   | 921     | 798             | 7,483     | 32                             | 300     | 413                 | 2,170   | -                    | -          |
| Mise en vente, fraîche                          | qtx                   | 131     | 1,358           | 798       | 32                             | 300     | 413                 | 2,370   | -                    | -          |
| <b>Roussette ou chien de mer, pris.....</b> qtx | -                     | -       | 63,231          | 4,075     | -                              | -       | -                   | -       | 112,700              | 39,445     |
| <b>Poulpe, pris.....</b> qtx                    | -                     | -       | -               | -         | -                              | -       | -                   | -       | 313                  | 1,757      |
| Mis en vente, frais....                         | qtx                   | -       | -               | -         | -                              | -       | -                   | -       | 313                  | 2,241      |
| <b>Oulachon, pris.....</b> qtx                  | -                     | -       | -               | -         | -                              | -       | -                   | -       | 486                  | 2,706      |
| Mis en vente, frais....                         | qtx                   | -       | -               | -         | -                              | -       | -                   | -       | 486                  | 2,800      |
| <b>Encornet, pris.....</b> brl                  | -                     | -       | 1,974           | 6,055     | -                              | -       | 1,202               | 1,577   | -                    | -          |
| Utilisé c. boîte.....                           | brl                   | -       | 1,974           | 8,488     | -                              | -       | 1,202               | 1,577   | -                    | -          |
| <b>Espadon, pris.....</b> qtx                   | -                     | -       | 7,299           | 88,090    | -                              | -       | -                   | -       | -                    | -          |
| Mis en vente.....                               | qtx                   | -       | 7,299           | 120,692   | -                              | -       | -                   | -       | -                    | -          |
| <b>Tacaud, pris.....</b> qtx                    | 1,823                 | 4,147   | 152             | 187       | 20,246                         | 35,935  | 523                 | 1,058   | 50                   | 152        |
| Mis en vente, frais....                         | qtx                   | 1,823   | 4,195           | 152       | 207                            | 20,246  | 91,979              | 523     | 1,058                | 156        |
| <b>Poissons divers, pris...</b> qtx             | -                     | -       | 562             | 401       | 733                            | 630     | 8,500               | 42,500  | -                    | -          |
| (À l'exclusion de toutes les espèces ci-dessus) |                       |         |                 |           |                                |         |                     |         |                      |            |
| Mis en vente, frais....                         | qtx                   | -       | 562             | 401       | 733                            | 630     | 8,500               | 42,500  | -                    | -          |
| <b>Clorisses et mactres, prises.....</b> brl    | 1,174                 | 1,374   | 7,242           | 11,477    | 33,197                         | 52,354  | 1,680               | 9,755   | 14,419               | 47,374     |
| Mises en vente:                                 |                       |         |                 |           |                                |         |                     |         |                      |            |
| franches.....                                   | brl                   | 273     | 518             | 3,692     | 11,716                         | 9,595   | 16,319              | 1,680   | 9,755                | 2,764      |
| en boîte.....                                   | caisses               | 901     | 5,242           | 3,579     | 20,176                         | 22,692  | 114,379             | -       | -                    | 11,654     |
| Total, valeur marchande..                       | -                     | 5,760   | -               | 31,892    | -                              | 130,698 | -                   | 9,755   | -                    | 96,182     |
| <b>Buccardes, pris.....</b> qtx                 | -                     | -       | -               | -         | 143                            | 500     | 150                 | 600     | -                    | -          |
| Mis en vente, frais....                         | qtx                   | -       | -               | -         | 143                            | 500     | 150                 | 600     | -                    | -          |
| <b>Crabes, pris.....</b> qtx                    | 135                   | 303     | -               | -         | -                              | -       | -                   | -       | 8,404                | 42,540     |
| Mis en vente:                                   |                       |         |                 |           |                                |         |                     |         |                      |            |
| frais.....                                      | qtx                   | -       | -               | -         | -                              | -       | -                   | -       | 7,467                | 50,107     |
| en boîte.....                                   | caisses               | 15      | 360             | -         | -                              | -       | -                   | -       | 468                  | 9,370      |
| Total, valeur marchande..                       | -                     | 360     | -               | -         | -                              | -       | -                   | -       | -                    | 68,477     |
| <b>Homards, pris.....</b> qtx                   | 62,800                | 617,057 | 179,673         | 2,433,107 | 49,752                         | 604,212 | 24,606              | 217,696 | -                    | -          |
| Mis en vente:                                   |                       |         |                 |           |                                |         |                     |         |                      |            |
| vivant.....                                     | qtx                   | 1,847   | 40,817          | 67,751    | 1,492,350                      | 16,162  | 431,870             | 1,147   | 14,022               | -          |
| chair.....                                      | qtx                   | 50      | 4,000           | 54        | 4,334                          | -       | -                   | 10      | 240                  | -          |
| en boîte.....                                   | caisses               | 27,896  | 801,542         | 55,771    | 1,727,105                      | 18,866  | 522,162             | 11,404  | 342,289              | -          |
| foie de.....                                    | caisses               | 630     | 9,558           | 2,536     | 31,838                         | 103     | 1,021               | 280     | 3,028                | -          |
| Total, valeur marchande..                       | -                     | 855,917 | -               | 3,255,627 | -                              | 955,053 | -                   | 359,579 | -                    | -          |
| <b>Hallotide, prise.....</b> brl                | -                     | -       | -               | -         | -                              | -       | -                   | -       | 433                  | 3,031      |
| Mise en vente:                                  |                       |         |                 |           |                                |         |                     |         |                      |            |
| en boîte.....                                   | caisses               | -       | -               | -         | -                              | -       | -                   | -       | 433                  | 6,062      |
| <b>Huitres, prises.....</b> brl                 | 4,071                 | 29,068  | 1,817           | 10,552    | 13,574                         | 78,093  | -                   | -       | 2,188                | 30,792     |
| Mises en vente, fraîches.....                   | brl                   | 4,071   | 48,838          | 1,817     | 16,109                         | 13,574  | 100,576             | -       | 2,188                | 32,258     |
| <b>Pétoncles, pris.....</b> brl                 | 96                    | 192     | 37,607          | 203,509   | -                              | -       | 932                 | 3,249   | -                    | -          |
| Mis en vente:                                   |                       |         |                 |           |                                |         |                     |         |                      |            |
| écailles.....                                   | gal.                  | 192     | 240             | 74,100    | 207,858                        | -       | 1,834               | 4,674   | -                    | -          |
| en boîte.....                                   | caisses               | -       | -               | 249       | 4,980                          | -       | 12                  | 180     | -                    | -          |
| Total, valeur marchande..                       | -                     | 240     | -               | 212,838   | -                              | -       | -                   | 4,854   | -                    | -          |
| <b>Crevettes, prises.....</b> qtx               | -                     | -       | -               | -         | -                              | -       | -                   | -       | 842                  | 12,772     |
| Mises en vente, fraîches.....                   | qtx                   | -       | -               | -         | -                              | -       | -                   | -       | 842                  | 16,592     |

<sup>1</sup> Voir aussi pêcheries intérieures.<sup>2</sup> Utilisé dans la production de l'huile de poisson et comme engrais.

### 13. Quantité et valeur de tout le poisson pêché et mis en vente durant l'année 1927 par provinces—suite

| Espèces                                             | Pêcheries maritimes   |           |                 |            |                                |           |                     |           |                      |            |
|-----------------------------------------------------|-----------------------|-----------|-----------------|------------|--------------------------------|-----------|---------------------|-----------|----------------------|------------|
|                                                     | Île du Prince-Edouard |           | Nouvelle-Ecosse |            | Nouveau-Brunswick <sup>1</sup> |           | Québec <sup>1</sup> |           | Colombie Britannique |            |
|                                                     | Quantité              | Valeur    | Quantité        | Valeur     | Quantité                       | Valeur    | Quantité            | Valeur    | Quantité             | Valeur     |
| Langues et noues, marinées et séchées... qtx        | 68                    | \$ 1,360  | 287             | \$ 2,231   | 40                             | \$ 131    | 59                  | \$ 493    | -                    | \$ -       |
| <b>Bigorneaux (ou littorines), pris.....</b> qtx    | -                     | -         | 1,621           | 2,603      | 520                            | 1,099     | -                   | -         | -                    | -          |
| Mis en vente, frais..... qtx                        | -                     | -         | 1,621           | 3,639      | 520                            | 1,231     | -                   | -         | -                    | -          |
| <b>Algue verte, prise.....</b> qtx                  | -                     | -         | 74              | 740        | 2,870                          | 4,550     | -                   | -         | -                    | -          |
| Mise en vente, séchée. qtx                          | -                     | -         | 15              | 925        | 650                            | 7,040     | -                   | -         | -                    | -          |
| <b>Phoque à fourrure, pris.....</b> nomb.           | -                     | -         | -               | -          | -                              | -         | -                   | -         | 1,476                | 14,517     |
| Peaux vendues..... nomb.                            | -                     | -         | -               | -          | -                              | -         | -                   | -         | 1,476                | 15,805     |
| <b>Phoque, commun, pris.....</b> nomb.              | -                     | -         | -               | -          | -                              | -         | 53,306              | 66,849    | -                    | -          |
| Mis en vente: peaux..... nomb.                      | -                     | -         | -               | -          | -                              | -         | 53,306              | 62,883    | -                    | -          |
| huile..... gal.                                     | -                     | -         | -               | -          | -                              | -         | 66,699              | 22,810    | -                    | -          |
| Total, valeur marchande..                           | -                     | -         | -               | -          | -                              | -         | -                   | 85,693    | -                    | -          |
| <b>Marsouins, pris.....</b> nomb.                   | -                     | -         | -               | -          | -                              | -         | 1                   | 40        | -                    | -          |
| Mis en vente: peaux..... nomb.                      | -                     | -         | -               | -          | -                              | -         | 1                   | 10        | -                    | -          |
| huile..... gal.                                     | -                     | -         | -               | -          | -                              | -         | 60                  | 20        | -                    | -          |
| Total, valeur marchande..                           | -                     | -         | -               | -          | -                              | -         | -                   | 40        | -                    | -          |
| <b>Baleines, prises.....</b> nomb.                  | -                     | -         | -               | -          | -                              | -         | -                   | -         | 258                  | 241,488    |
| Mises en vente: fanons et sous-produits..... tonnes | -                     | -         | -               | -          | -                              | -         | -                   | -         | 345                  | 9,560      |
| huile..... gal.                                     | -                     | -         | -               | -          | -                              | -         | -                   | -         | 437,967              | 192,863    |
| engrais..... tonnes                                 | -                     | -         | -               | -          | -                              | -         | -                   | -         | 651                  | 39,660     |
| Total, valeur marchande..                           | -                     | -         | -               | -          | -                              | -         | -                   | -         | -                    | 241,488    |
| <b>Produits divers:</b>                             |                       |           |                 |            |                                |           |                     |           |                      |            |
| Huile de poisson (autre), n.a.e..... gal.           | -                     | -         | 16,201          | 8,891      | 4,725                          | 1,920     | 2,500               | 1,000     | 375,130              | 138,180    |
| Colle de poisson..... gal.                          | -                     | -         | 10,909          | 11,078     | -                              | -         | -                   | -         | -                    | -          |
| Poudre de poisson, n.a.e..... tonnes                | -                     | -         | 2,301           | 141,670    | -                              | -         | 200                 | 100       | 2,512                | 145,449    |
| Engrais..... tonnes                                 | -                     | -         | -               | -          | 121                            | 1,474     | 24                  | 606       | 140                  | 5,300      |
| Peaux et os de poisson qtx                          | -                     | -         | 9,325           | 16,860     | 190                            | 295       | 284                 | 639       | -                    | -          |
| Entrailles de poisson tonnes                        | -                     | -         | 8,801           | 32,772     | -                              | -         | -                   | -         | -                    | -          |
| Autres produits.....                                | -                     | -         | -               | 4,528      | -                              | 2,655     | -                   | -         | -                    | -          |
| <b>Valeur totale, pêcheries maritimes—</b>          |                       |           |                 |            |                                |           |                     |           |                      |            |
| Valeur des prises.....                              | -                     | 963,690   | -               | 7,148,817  | -                              | 2,437,832 | -                   | 1,532,162 | -                    | 14,842,384 |
| Valeur marchande.....                               | -                     | 1,367,807 | -               | 10,783,631 | -                              | 4,383,090 | -                   | 2,122,256 | -                    | 23,264,342 |

| Espèces                         | Pêcheries intérieures          |          |                     |         |          |         |
|---------------------------------|--------------------------------|----------|---------------------|---------|----------|---------|
|                                 | Nouveau-Brunswick <sup>1</sup> |          | Québec <sup>1</sup> |         | Ontario  |         |
|                                 | Quantité                       | Valeur   | Quantité            | Valeur  | Quantité | Valeur  |
| <b>Gasparot, pris.....</b> qtx  | 660                            | \$ 1,980 | -                   | \$ -    | -        | \$ -    |
| Mis en vente: frais..... qtx    | 264                            | 792      | -                   | -       | -        | -       |
| salé..... qtx                   | 132                            | 1,188    | -                   | -       | -        | -       |
| Total, valeur marchande.....    | -                              | 1,980    | -                   | -       | -        | -       |
| <b>Achigan, pris.....</b> qtx   | 12                             | 216      | 361                 | 5,534   | -        | -       |
| Mis en vente frais..... qtx     | 12                             | 216      | 361                 | 5,534   | -        | -       |
| <b>Carpe, prise.....</b> qtx    | -                              | -        | 5,032               | 63,298  | 7,686    | 26,901  |
| Mise en vente, fraîche..... qtx | -                              | -        | 5,032               | 63,298  | 7,686    | 30,744  |
| <b>Barbotte, prise.....</b> qtx | -                              | -        | 2,680               | 29,497  | 4,094    | 24,564  |
| Mise en vente, fraîche..... qtx | -                              | -        | 2,680               | 29,497  | 4,094    | 28,658  |
| <b>Anguille, prise.....</b> qtx | 125                            | 500      | 13,157              | 110,778 | 1,270    | 12,700  |
| Mise en vente, fraîche..... qtx | 125                            | 500      | 13,157              | 110,778 | 1,270    | 15,240  |
| <b>Hareng, pris.....</b> qtx    | -                              | -        | 5,082               | 28,379  | 58,099   | 174,297 |
| Mis en vente, frais..... qtx    | -                              | -        | 5,082               | 28,379  | 58,099   | 302,114 |

<sup>1</sup> Voir aussi pêcheries maritimes.

### 13. Quantité et valeur de tout le poisson pêché et mis en vente durant l'année 1927 par provinces—suite

| Espèces                                  |      | Pêcheries intérieures          |        |                     |          |          |           |
|------------------------------------------|------|--------------------------------|--------|---------------------|----------|----------|-----------|
|                                          |      | Nouveau-Brunswick <sup>1</sup> |        | Québec <sup>1</sup> |          | Ontario  |           |
|                                          |      | Quantité                       | Valeur | Quantité            | Valeur   | Quantité | Valeur    |
| Maskinongé, pris.....                    | qtx  | —                              | \$ —   | 107                 | \$ 2,426 | —        | \$ —      |
| Mis en vente, frais.....                 | qtx  | —                              | —      | 107                 | 2,426    | —        | —         |
| Poisson divers, pris.....                | qtx  | —                              | —      | 9,172               | 56,301   | 29,564   | 118,257   |
| (gade, chabot, ouananiche, etc.)         |      |                                |        |                     |          |          |           |
| Mis en vente, frais.....                 | qtx  | —                              | —      | 9,172               | 56,301   | 29,564   | 118,257   |
| Mulet, pris.....                         | qtx  | 255                            | 1,005  | —                   | —        | —        | —         |
| Mis en vente, frais.....                 | qtx  | 255                            | 1,005  | —                   | —        | —        | —         |
| Perche, prise.....                       | qtx  | 28                             | 140    | 2,147               | 18,399   | 28,180   | 169,080   |
| Mise en vente, fraîche.....              | qtx  | 28                             | 140    | 2,147               | 18,399   | 28,180   | 211,352   |
| Doré, pris.....                          | qtx  | 480                            | 5,560  | 8,064               | 137,165  | 21,163   | 232,793   |
| Mis en vente, frais.....                 | qtx  | 480                            | 5,560  | 8,064               | 137,165  | 21,163   | 300,529   |
| Sandre, pris.....                        | qtx  | —                              | —      | —                   | —        | 31,173   | 124,692   |
| Mis en vente, frais.....                 | qtx  | —                              | —      | —                   | —        | 31,173   | 187,038   |
| Brochet, pris.....                       | qtx  | —                              | —      | 2,099               | 21,549   | 14,002   | 70,010    |
| Mis en vente, frais.....                 | qtx  | —                              | —      | 2,099               | 21,549   | 14,002   | 98,014    |
| Saumon, pris.....                        | qtx  | 378                            | 9,250  | 756                 | 11,460   | —        | —         |
| Mis en vente, frais.....                 | qtx  | 378                            | 9,250  | 756                 | 11,460   | —        | —         |
| Alose, prise.....                        | qtx  | 674                            | 4,044  | 646                 | 7,417    | —        | —         |
| Mise en vente, fraîche.....              | qtx  | 674                            | 4,044  | 646                 | 7,417    | —        | —         |
| Eperlan, pris.....                       | qtx  | —                              | —      | 9,139               | 72,715   | —        | —         |
| Mis en vente, frais.....                 | qtx  | —                              | —      | 9,139               | 72,715   | —        | —         |
| Esturgeon, pris.....                     | qtx  | 24                             | 528    | 2,028               | 35,230   | 1,529    | 41,283    |
| Mis en vente:                            |      |                                |        |                     |          |          |           |
| frais.....                               | qtx  | 24                             | 528    | 2,028               | 35,230   | 1,529    | 45,870    |
| caviar.....                              | liv. | —                              | —      | —                   | —        | 5,663    | 9,060     |
| Total, valeur marchande.....             |      | —                              | 528    | —                   | 35,230   | —        | 54,930    |
| Truite, prise.....                       | qtx  | —                              | —      | 183                 | 2,365    | 74,978   | 914,732   |
| Mise en vente, fraîche.....              | qtx  | —                              | —      | 183                 | 2,365    | 74,978   | 1,192,150 |
| Tullipi, pris.....                       | qtx  | —                              | —      | —                   | —        | 15,520   | 155,200   |
| Mis en vente, frais.....                 | qtx  | —                              | —      | —                   | —        | 15,520   | 194,001   |
| Poisson blanc, pris.....                 | qtx  | 35                             | 360    | 1,109               | 11,681   | 61,658   | 739,896   |
| Mis en vente, frais.....                 | qtx  | 35                             | 360    | 1,109               | 11,681   | 61,658   | 937,202   |
| Valeur totale des pêcheries intérieures: |      | —                              | 23,583 | —                   | 614,194  | —        | 2,804,405 |
| Valeur des prises.....                   |      | —                              | 23,583 | —                   | 614,194  | —        | 3,670,229 |
| Valeur marchande.....                    |      | —                              | 23,583 | —                   | 614,194  | —        | 3,670,229 |

| Espèces                      |     | Pêcheries intérieures |         |              |        |          |        |          |        |
|------------------------------|-----|-----------------------|---------|--------------|--------|----------|--------|----------|--------|
|                              |     | Manitoba              |         | Saskatchewan |        | Alberta  |        | Yukon    |        |
|                              |     | Quantité              | Valeur  | Quantité     | Valeur | Quantité | Valeur | Quantité | Valeur |
| Carpe, prise.....            | qtx | 40                    | \$ 160  | —            | —      | —        | \$ —   | —        | —      |
| Mise en vente, fraîche.....  | qtx | 40                    | 240     | —            | —      | —        | —      | —        | —      |
| Barbotte, prise.....         | qtx | 1,434                 | 15,242  | —            | —      | —        | —      | —        | —      |
| Mise en vente, fraîche.....  | qtx | 1,434                 | 17,610  | —            | —      | —        | —      | —        | —      |
| Oùs-d'or, pris.....          | qtx | 11,420                | 39,339  | 65           | 650    | —        | —      | —        | —      |
| Mis en vente:                |     |                       |         |              |        |          |        |          |        |
| frais.....                   | qtx | 3,799                 | 16,014  | 65           | 780    | —        | —      | —        | —      |
| fumé.....                    | qtx | 5,678                 | 99,176  | —            | —      | —        | —      | —        | —      |
| Total, valeur marchande..... |     | —                     | 115,190 | —            | 780    | —        | —      | —        | —      |
| Hareng, pris.....            | qtx | 20                    | 100     | —            | —      | —        | —      | —        | —      |
| Mis en vente:                |     |                       |         |              |        |          |        |          |        |
| frais.....                   | qtx | 20                    | 100     | —            | —      | —        | —      | —        | —      |
| Poisson divers, pris.....    | qtx | 217                   | 800     | 2,380        | 3,741  | 2,281    | 2,581  | 80       | 1,200  |
| Mis en vente, frais.....     | qtx | 217                   | 918     | 2,380        | 4,999  | 2,281    | 2,881  | 80       | 1,600  |
| Mulet, pris.....             | qtx | 11,739                | 13,933  | 2,647        | 6,432  | 1,265    | 2,226  | —        | —      |
| Mis en vente, frais.....     | qtx | 11,739                | 19,653  | 2,647        | 10,871 | 1,265    | 2,356  | —        | —      |
| Saugers, pris.....           | qtx | 2,461                 | 10,937  | —            | —      | —        | —      | —        | —      |
| Mis en vente, frais.....     | qtx | 2,461                 | 13,348  | —            | —      | —        | —      | —        | —      |
| Perche, prise.....           | qtx | 2,161                 | 19,983  | —            | —      | 673      | 4,590  | —        | —      |
| Mise en vente, fraîche.....  | qtx | 2,161                 | 23,816  | —            | —      | 673      | 6,560  | —        | —      |
| Doré, pris.....              | qtx | 99,813                | 636,067 | 3,753        | 17,894 | 6,746    | 36,339 | —        | —      |
| Mis en vente, frais.....     | qtx | 99,813                | 804,854 | 3,753        | 34,224 | 6,746    | 65,257 | —        | —      |
| Brochet, pris.....           | qtx | 40,166                | 107,696 | 3,731        | 14,078 | 10,473   | 40,207 | 2        | 30     |
| Mis en vente, frais.....     | qts | 40,166                | 149,658 | 3,731        | 24,215 | 10,473   | 63,510 | 2        | 40     |
| Saumon, pris.....            | qtx | —                     | —       | —            | —      | —        | —      | 805      | 6,440  |
| Mis en vente, frais.....     | qtx | —                     | —       | —            | —      | —        | —      | 805      | 8,050  |

<sup>1</sup> Voir aussi pêcheries maritimes.

### 13. Quantité et valeur de tout le poisson pêché et mis en vente durant l'année 1927 par provinces—fin

| Espèces                                         | Pêcheries intérieures |           |              |         |          |         |          |        |
|-------------------------------------------------|-----------------------|-----------|--------------|---------|----------|---------|----------|--------|
|                                                 | Manitoba              |           | Saskatchewan |         | Alberta  |         | Yukon    |        |
|                                                 | Quantité              | Valeur    | Quantité     | Valeur  | Quantité | Valeur  | Quantité | Valeur |
| <b>Esturgeon, pris.....</b> qtx                 | 820                   | \$ 27,124 | -            | \$ -    | -        | \$ -    | -        | \$ -   |
| Mis en vente:                                   |                       |           |              |         |          |         |          |        |
| frais.....                                      | 820                   | 43,640    | -            | -       | -        | -       | -        | -      |
| caviar.....                                     | liv. 910              | 1,050     | -            | -       | -        | -       | -        | -      |
| Total, valeur marchande.....                    | -                     | 44,690    | -            | -       | -        | -       | -        | -      |
| <b>Truite, prise.....</b> qtx                   | 1,111                 | 9,199     | 2,700        | 17,669  | 10,882   | 62,583  | 50       | 750    |
| Mise en vente, fraîche.....                     | 1,111                 | 12,697    | 2,700        | 29,784  | 10,882   | 126,955 | 50       | 1,000  |
| <b>Tollipi, pris.....</b> qtx                   | 102,451               | 305,744   | 1,201        | 6,186   | 2,592    | 8,560   | -        | -      |
| Mis en vente:                                   |                       |           |              |         |          |         |          |        |
| frais.....                                      | 102,391               | 418,678   | 1,201        | 9,551   | 2,532    | 10,195  | -        | -      |
| fumé.....                                       | 30                    | 425       | -            | -       | 30       | 300     | -        | -      |
| Total, valeur marchande.....                    | -                     | 419,103   | -            | 9,551   | -        | 10,495  | -        | -      |
| <b>Poisson blanc, pris.....</b> qtx             | 49,114                | 236,356   | 41,323       | 217,540 | 32,355   | 277,817 | 70       | 1,050  |
| Mis en vente, frais.....                        | 49,114                | 418,461   | 41,323       | 339,185 | 32,355   | 434,449 | 70       | 1,400  |
| <b>Valeur totale des pêcheries intérieures:</b> |                       |           |              |         |          |         |          |        |
| Valeur des prises.....                          | -                     | 1,422,680 | -            | 284,190 | -        | 434,903 | -        | 9,470  |
| Valeur marchande.....                           | -                     | 2,639,738 | -            | 503,609 | -        | 712,469 | -        | 12,890 |

### 14. Valeur totale, par comtés et districts, du poisson de mer pêché et mis en vente 1927

| Comté ou district                        | Valeur totale<br>du poisson<br>pêché | Valeur totale<br>du poisson et<br>des produits<br>du poisson<br>mis en vente |
|------------------------------------------|--------------------------------------|------------------------------------------------------------------------------|
| <b>Ile du Prince-Edouard—Totaux.....</b> | \$ 963,690                           | \$ 1,367,807                                                                 |
| Kings.....                               | 272,389                              | 430,530                                                                      |
| Queens.....                              | 314,442                              | 467,272                                                                      |
| Prince.....                              | 376,859                              | 470,005                                                                      |
| <b>Nouvelle-Ecosse—Totaux.....</b>       | 7,148,817                            | 10,783,631                                                                   |
| Richmond.....                            | 156,839                              | 170,405                                                                      |
| Cap Breton.....                          | 340,752                              | 544,870                                                                      |
| Victoria.....                            | 201,608                              | 186,946                                                                      |
| Inverness.....                           | 268,902                              | 570,403                                                                      |
| Cumberland.....                          | 61,915                               | 96,867                                                                       |
| Colchester.....                          | 10,085                               | 14,792                                                                       |
| Pictou.....                              | 173,014                              | 324,653                                                                      |
| Antigonish.....                          | 169,398                              | 269,731                                                                      |
| Guysborough.....                         | 686,339                              | 1,327,685                                                                    |
| Halifax.....                             | 754,062                              | 1,968,549                                                                    |
| Hants.....                               | 5,170                                | 7,981                                                                        |
| Lunenburg.....                           | 1,792,927                            | 1,956,840                                                                    |
| Queens.....                              | 221,233                              | 268,803                                                                      |
| Shelburne.....                           | 615,900                              | 857,564                                                                      |
| Yarmouth.....                            | 911,717                              | 1,112,172                                                                    |
| Digby.....                               | 611,783                              | 899,173                                                                      |
| Annapolis.....                           | 144,186                              | 183,195                                                                      |
| Kings.....                               | 22,987                               | 23,002                                                                       |
| <b>Nouveau-Brunswick—Totaux.....</b>     | 2,437,832                            | 4,383,090                                                                    |
| Charlotte.....                           | 594,305                              | 1,663,190                                                                    |
| St. John.....                            | 144,860                              | 193,050                                                                      |
| Albert.....                              | 418                                  | 418                                                                          |
| Westmorland.....                         | 197,137                              | 421,019                                                                      |
| Kent.....                                | 337,475                              | 389,148                                                                      |
| Northumberland.....                      | 484,975                              | 923,241                                                                      |
| Gloucester.....                          | 510,643                              | 622,496                                                                      |
| Restigouche.....                         | 168,019                              | 170,528                                                                      |
| <b>Québec—Totaux.....</b>                | 1,532,162                            | 2,122,256                                                                    |
| Bonaventure.....                         | 212,810                              | 797,391                                                                      |
| Gaspé.....                               | 524,917                              | 216,627                                                                      |
| Iles de la Madeleine.....                | 440,343                              | 722,105                                                                      |
| Saguenay.....                            | 260,659                              | 290,468                                                                      |
| Matane.....                              | 20,073                               | 22,305                                                                       |
| Rimouski.....                            | 73,366                               | 73,360                                                                       |
| <b>Colombie Britannique—Totaux.....</b>  | 14,842,384                           | 23,264,342                                                                   |
| District No. 1.....                      | 3,830,001                            | 4,272,433                                                                    |
| District No. 2.....                      | 6,595,420                            | 11,211,022                                                                   |
| District No. 3.....                      | 4,416,963                            | 7,780,887                                                                    |

**15. Proportion de poisson de mer pris en haute mer par les chalutiers à vapeur et autres navires pêchant sur les bancs, 1927**

| Province et comté ou district               | Morue          |                     |              | Eglefin        |                     |              | Merluche et lingue |                     |              |
|---------------------------------------------|----------------|---------------------|--------------|----------------|---------------------|--------------|--------------------|---------------------|--------------|
|                                             | Prise au large | Prise sur les côtes | Prise totale | Prise au large | Prise sur les côtes | Prise totale | Prise au large     | Prise sur les côtes | Prise totale |
|                                             | qtx            | qtx                 | qtx          | qtx            | qtx                 | qtx          | qtx                | qtx                 | qtx          |
| 1 <b>Canada—Totaux</b> .....                | 926,094        | 1,052,709           | 1,978,803    | 203,863        | 217,846             | 421,709      | 6,644              | 170,726             | 177,370      |
| 2 <b>Ile du Prince-Edouard—Totaux</b> ..... | —              | 49,419              | 49,419       | —              | 1,168               | 1,168        | —                  | 11,326              | 11,326       |
| 3 Kings.....                                | —              | 6,761               | 6,761        | —              | 963                 | 963          | —                  | 3,097               | 3,097        |
| 4 Queens.....                               | —              | 34,632              | 34,632       | —              | 205                 | 205          | —                  | 2,054               | 2,054        |
| 5 Prince.....                               | —              | 8,026               | 8,026        | —              | —                   | —            | —                  | 6,175               | 6,175        |
| 6 <b>Nouvelle-Ecosse—Totaux</b> .....       | 890,266        | 441,607             | 1,331,873    | 203,863        | 180,344             | 384,207      | 6,644              | 112,787             | 119,431      |
| 7 Richmond.....                             | —              | 10,310              | 10,310       | —              | 13,020              | 13,020       | —                  | —                   | —            |
| 8 Cap Breton.....                           | —              | 43,342              | 43,342       | —              | 6,888               | 6,888        | —                  | —                   | —            |
| 9 Victoria.....                             | —              | 61,587              | 61,587       | —              | 33,478              | 33,478       | —                  | 31                  | 31           |
| 10 Inverness.....                           | 5,823          | 18,034              | 23,857       | 12,617         | 2,341               | 14,958       | 97                 | 3,535               | 3,632        |
| 11 Cumberland.....                          | —              | 62                  | 62           | —              | 29                  | 29           | —                  | —                   | —            |
| 12 Colchester.....                          | —              | 62                  | 62           | —              | —                   | —            | —                  | —                   | —            |
| 13 Pictou.....                              | —              | 153                 | 153          | —              | —                   | —            | —                  | 343                 | 343          |
| 14 Antigonish.....                          | —              | 1,750               | 1,750        | —              | 400                 | 400          | —                  | 2,770               | 2,770        |
| 15 Guysborough.....                         | 40,859         | 64,609              | 105,468      | 42,663         | 13,701              | 56,364       | 120                | 1,085               | 1,205        |
| 16 Halifax.....                             | 60,006         | 45,353              | 105,359      | 130,700        | 4,441               | 135,141      | 222                | 851                 | 1,073        |
| 17 Hants.....                               | —              | 22                  | 22           | —              | —                   | —            | —                  | —                   | —            |
| 18 Lunenburg.....                           | 754,040        | 42,840              | 796,880      | 16,220         | 3,655               | 19,875       | 1,880              | 2,436               | 4,316        |
| 19 Queens.....                              | —              | 32,186              | 32,186       | —              | 4,877               | 4,877        | —                  | 3,412               | 3,412        |
| 20 Shelburne.....                           | 5,940          | 68,107              | 74,047       | 290            | 20,096              | 20,386       | 300                | 795                 | 1,095        |
| 21 Yarmouth.....                            | 23,598         | 15,337              | 38,935       | 1,373          | 6,397               | 7,770        | 4,025              | 972                 | 4,997        |
| 22 Digby.....                               | —              | 33,060              | 33,060       | —              | 68,781              | 68,781       | —                  | 95,570              | 95,570       |
| 23 Annapolis.....                           | —              | 3,796               | 3,796        | —              | 1,642               | 1,642        | —                  | 967                 | 967          |
| 24 Kings.....                               | —              | 997                 | 997          | —              | 598                 | 598          | —                  | 20                  | 20           |
| 25 <b>Nouveau-Brunswick—Totaux</b> .....    | 35,685         | 101,088             | 136,773      | —              | 33,834              | 33,834       | —                  | 45,759              | 45,759       |
| 26 Charlotte.....                           | —              | 18,171              | 18,171       | —              | 31,435              | 31,435       | —                  | 31,596              | 31,596       |
| 27 St. John.....                            | —              | 1,150               | 1,150        | —              | 1,300               | 1,300        | —                  | 5,200               | 5,200        |
| 28 Albert.....                              | —              | —                   | —            | —              | —                   | —            | —                  | —                   | —            |
| 29 Westmorland.....                         | —              | 10                  | 10           | —              | —                   | —            | —                  | —                   | —            |
| 30 Kent.....                                | 3,030          | 900                 | 3,930        | —              | —                   | —            | —                  | 7,641               | 7,641        |
| 31 Northumberland.....                      | 2,625          | 652                 | 3,277        | —              | —                   | —            | —                  | —                   | —            |
| 32 Gloucester.....                          | 30,030         | 79,335              | 109,365      | —              | 820                 | 820          | —                  | 1,250               | 1,250        |
| 33 Restigouche.....                         | —              | 870                 | 870          | —              | 279                 | 279          | —                  | 72                  | 72           |
| 34 <b>Québec—Totaux</b> .....               | —              | 460,573             | 460,573      | —              | 2,500               | 2,500        | —                  | 830                 | 830          |
| 35 Bonaventure.....                         | —              | 59,503              | 59,503       | —              | 2,500               | 2,500        | —                  | 830                 | 830          |
| 36 Gaspé.....                               | —              | 221,117             | 221,117      | —              | —                   | —            | —                  | —                   | —            |
| 37 Iles de la Madeleine.....                | —              | 38,894              | 38,894       | —              | —                   | —            | —                  | —                   | —            |
| 38 Saguenay.....                            | —              | 138,958             | 138,958      | —              | —                   | —            | —                  | —                   | —            |
| 39 Matane.....                              | —              | 901                 | 901          | —              | —                   | —            | —                  | —                   | —            |
| 40 Rimouski.....                            | —              | 1,200               | 1,200        | —              | —                   | —            | —                  | —                   | —            |
| 41 <b>Colombie Britannique—Totaux</b> ..... | 143            | 22                  | 165          | —              | —                   | —            | —                  | 24                  | 24           |
| 42 District n° 1.....                       | —              | 19                  | 19           | —              | —                   | —            | —                  | 5                   | 5            |
| 43 District n° 2.....                       | 143            | —                   | 143          | —              | —                   | —            | —                  | —                   | —            |
| 44 District n° 3.....                       | —              | 3                   | 3            | —              | —                   | —            | —                  | 19                  | 19           |



## 15. Proportion de poisson de mer pris en haute mer par les chalutiers à vapeur et autres navires pêchant sur les bancs, 1927—suite

| Merlan         |                     |              | Flétan         |                     |              | Carrelet, etc. |                     |              | Raie           |                     |              |    |
|----------------|---------------------|--------------|----------------|---------------------|--------------|----------------|---------------------|--------------|----------------|---------------------|--------------|----|
| Prise au large | Prise sur les côtes | Prise totale | Prise au large | Prise sur les côtes | Prise totale | Prise au large | Prise sur les côtes | Prise totale | Prise au large | Prise sur les côtes | Prise totale |    |
| qtx            | qtx                 | qtx          | qtx            | qtx                 | qtx          | qtx            | qtx                 | qtx          | qtx            | qtx                 | qtx          |    |
| 8,407          | 26,643              | 35,050       | 274,007        | 55,025              | 329,032      | 9,980          | 2,876               | 12,856       | 7,065          | 1,240               | 8,305        | 1  |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 2  |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 3  |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 4  |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 5  |
| 8,407          | 18,950              | 27,357       | 17,577         | 9,974               | 27,551       | 7,865          | 330                 | 8,195        | 7,045          | -                   | 7,045        | 6  |
| -              | 67                  | 67           | -              | 10                  | 10           | -              | -                   | -            | -              | -                   | -            | 7  |
| -              | -                   | -            | 787            | 3,263               | 4,050        | -              | -                   | -            | -              | -                   | -            | 8  |
| -              | -                   | -            | -              | 362                 | 362          | -              | -                   | -            | -              | -                   | -            | 9  |
| 306            | 150                 | 456          | 289            | 61                  | 350          | 1,846          | -                   | 1,846        | 34             | -                   | 34           | 10 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 11 |
| -              | -                   | -            | -              | 2                   | 2            | -              | -                   | -            | -              | -                   | -            | 12 |
| -              | -                   | -            | -              | -                   | -            | -              | 20                  | 20           | -              | -                   | -            | 13 |
| 799            | 1,820               | 2,619        | 2,369          | 249                 | 2,618        | -              | 240                 | 240          | -              | -                   | -            | 14 |
| 4,600          | 961                 | 5,561        | 3,385          | 1,235               | 4,620        | 6,012          | 50                  | 6,062        | 540            | -                   | 540          | 15 |
| -              | -                   | -            | -              | -                   | -            | -              | 4                   | 4            | 6,471          | -                   | 6,471        | 16 |
| 1,600          | 865                 | 2,465        | 3,416          | 490                 | 3,906        | 5              | -                   | 5            | -              | -                   | -            | 17 |
| -              | 696                 | 696          | -              | 2,373               | 2,373        | -              | -                   | -            | -              | -                   | -            | 18 |
| -              | 426                 | 426          | 616            | 746                 | 1,362        | -              | -                   | -            | -              | -                   | -            | 19 |
| 1,102          | 1,854               | 2,956        | 6,715          | 684                 | 7,399        | 2              | -                   | 2            | -              | -                   | -            | 20 |
| -              | 10,084              | 10,084       | -              | 401                 | 401          | -              | 16                  | 16           | -              | -                   | -            | 21 |
| -              | 1,012               | 1,012        | -              | 64                  | 64           | -              | -                   | -            | -              | -                   | -            | 22 |
| -              | 1,015               | 1,015        | -              | 34                  | 34           | -              | -                   | -            | -              | -                   | -            | 23 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 24 |
| -              | 7,693               | 7,693        | -              | 101                 | 101          | -              | 1,188               | 1,188        | -              | 157                 | 157          | 25 |
| -              | 7,693               | 7,693        | -              | 101                 | 101          | -              | 1,133               | 1,133        | -              | 157                 | 157          | 26 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 27 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 28 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 29 |
| -              | -                   | -            | -              | -                   | -            | -              | 55                  | 55           | -              | -                   | -            | 30 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 31 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 32 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 33 |
| -              | -                   | -            | -              | 848                 | 848          | -              | -                   | -            | -              | -                   | -            | 34 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 35 |
| -              | -                   | -            | -              | 78                  | 78           | -              | -                   | -            | -              | -                   | -            | 36 |
| -              | -                   | -            | -              | 760                 | 760          | -              | -                   | -            | -              | -                   | -            | 37 |
| -              | -                   | -            | -              | 10                  | 10           | -              | -                   | -            | -              | -                   | -            | 38 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 39 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 40 |
| -              | -                   | -            | 256,430        | 44,102              | 300,532      | 2,115          | 1,358               | 3,473        | 20             | 1,083               | 1,103        | 41 |
| -              | -                   | -            | -              | 35,572              | 35,572       | -              | 889                 | 889          | -              | 929                 | 929          | 42 |
| -              | -                   | -            | 256,430        | -                   | 256,430      | 2,115          | -                   | 2,115        | 20             | -                   | 20           | 43 |
| -              | -                   | -            | -              | 8,530               | 8,530        | -              | 469                 | 469          | -              | 154                 | 154          | 44 |

**15. Proportion de poisson de mer pris en haute mer par les chalutiers à vapeur et autres navires pêchant sur les bancs, 1927—suite**

| Province et comté ou district         | Sole           |                     |               | Hareng         |                     |                  | Maquereau      |                     |                |
|---------------------------------------|----------------|---------------------|---------------|----------------|---------------------|------------------|----------------|---------------------|----------------|
|                                       | Prise au large | Prise sur les côtes | Prise totale  | Prise au large | Prise sur les côtes | Prise totale     | Prise au large | Prise sur les côtes | Prise totale   |
|                                       | qtx            | qtx                 | qtx           | qtx            | qtx                 | qtx              | qtx            | qtx                 | qtx            |
| <b>1 Canada—Totaux.....</b>           | <b>16,298</b>  | <b>8,777</b>        | <b>25,075</b> | <b>8,870</b>   | <b>2,652,042</b>    | <b>2,660,912</b> | <b>2,765</b>   | <b>156,032</b>      | <b>158,797</b> |
| <b>2 Ile du Prince-Edouard—Totaux</b> | <b>-</b>       | <b>-</b>            | <b>-</b>      | <b>-</b>       | <b>51,834</b>       | <b>51,834</b>    | <b>-</b>       | <b>6,455</b>        | <b>6,455</b>   |
| 3 Kings.....                          | -              | -                   | -             | -              | 16,468              | 16,468           | -              | 958                 | 958            |
| 4 Queens.....                         | -              | -                   | -             | -              | 8,178               | 8,178            | -              | 4,380               | 4,380          |
| 5 Prince.....                         | -              | -                   | -             | -              | 27,188              | 27,188           | -              | 1,117               | 1,117          |
| <b>6 Nouvelle-Ecosse—Totaux.....</b>  | <b>12,437</b>  | <b>-</b>            | <b>12,437</b> | <b>-</b>       | <b>214,560</b>      | <b>214,560</b>   | <b>-</b>       | <b>72,306</b>       | <b>72,306</b>  |
| 7 Richmond.....                       | -              | -                   | -             | -              | 7,721               | 7,721            | -              | 15,211              | 15,211         |
| 8 Cap Breton.....                     | -              | -                   | -             | -              | 9,821               | 9,821            | -              | 6,272               | 6,272          |
| 9 Victoria.....                       | -              | -                   | -             | -              | 3,569               | 3,569            | -              | 2,784               | 2,784          |
| 10 Inverness.....                     | -              | -                   | -             | -              | 5,493               | 5,493            | -              | 5,565               | 5,565          |
| 11 Cumberland.....                    | -              | -                   | -             | -              | 2,875               | 2,785            | -              | 85                  | 85             |
| 12 Colchester.....                    | -              | -                   | -             | -              | 96                  | 96               | -              | -                   | -              |
| 13 Pictou.....                        | -              | -                   | -             | -              | 1,245               | 1,245            | -              | 307                 | 307            |
| 14 Antigonish.....                    | -              | -                   | -             | -              | 6,593               | 6,593            | -              | 223                 | 223            |
| 15 Guysborough.....                   | 2,301          | -                   | 2,301         | -              | 20,733              | 20,733           | -              | 22,762              | 22,762         |
| 16 Halifax.....                       | 10,136         | -                   | 10,136        | -              | 23,007              | 23,007           | -              | 10,626              | 10,626         |
| 17 Hants.....                         | -              | -                   | -             | -              | 60                  | 60               | -              | -                   | -              |
| 18 Lunenburg.....                     | -              | -                   | -             | -              | 23,121              | 23,121           | -              | 4,529               | 4,529          |
| 19 Queens.....                        | -              | -                   | -             | -              | 11,377              | 11,377           | -              | 2,307               | 2,307          |
| 20 Shelburne.....                     | -              | -                   | -             | -              | 24,150              | 24,150           | -              | 232                 | 232            |
| 21 Yarmouth.....                      | -              | -                   | -             | -              | 26,932              | 26,932           | -              | 1,267               | 1,267          |
| 22 Digby.....                         | -              | -                   | -             | -              | 20,030              | 20,030           | -              | 7                   | 7              |
| 23 Annapolis.....                     | -              | -                   | -             | -              | 23,221              | 23,221           | -              | 17                  | 17             |
| 24 Kings.....                         | -              | -                   | -             | -              | 4,516               | 4,516            | -              | 112                 | 112            |
| <b>25 Nouveau-Brunswick—Totaux..</b>  | <b>-</b>       | <b>-</b>            | <b>-</b>      | <b>8,870</b>   | <b>403,963</b>      | <b>412,833</b>   | <b>2,765</b>   | <b>6,506</b>        | <b>9,271</b>   |
| 26 Charlotte.....                     | -              | -                   | -             | -              | 155,142             | 155,142          | -              | -                   | -              |
| 27 St. John.....                      | -              | -                   | -             | -              | 50                  | 50               | -              | -                   | -              |
| 28 Albert.....                        | -              | -                   | -             | -              | -                   | -                | -              | -                   | -              |
| 29 Westmorland.....                   | -              | -                   | -             | -              | 64,532              | 64,532           | -              | 152                 | 152            |
| 30 Kent.....                          | -              | -                   | -             | 3,430          | 34,649              | 38,079           | 305            | 934                 | 1,239          |
| 31 Northumberland.....                | -              | -                   | -             | 5,440          | 3,000               | 8,440            | 2,460          | 23                  | 2,483          |
| 32 Gloucester.....                    | -              | -                   | -             | -              | 144,786             | 144,786          | -              | 4,157               | 4,157          |
| 33 Restigouche.....                   | -              | -                   | -             | -              | 1,804               | 1,840            | -              | 1,240               | 1,240          |
| <b>34 Québec—Totaux.....</b>          | <b>-</b>       | <b>-</b>            | <b>-</b>      | <b>-</b>       | <b>257,439</b>      | <b>257,439</b>   | <b>-</b>       | <b>70,765</b>       | <b>70,765</b>  |
| 35 Bonaventure.....                   | -              | -                   | -             | -              | 71,726              | 71,726           | -              | 6,825               | 6,825          |
| 36 Gaspé.....                         | -              | -                   | -             | -              | 68,459              | 68,459           | -              | -                   | -              |
| 37 Iles de la Madeleine.....          | -              | -                   | -             | -              | 110,217             | 110,217          | -              | 63,885              | 63,885         |
| 38 Saguenay.....                      | -              | -                   | -             | -              | 1,365               | 1,365            | -              | 55                  | 55             |
| 39 Matane.....                        | -              | -                   | -             | -              | 3,272               | 3,272            | -              | -                   | -              |
| 40 Rimouski.....                      | -              | -                   | -             | -              | 2,400               | 2,400            | -              | -                   | -              |
| <b>41 Colombie Britannique—Totaux</b> | <b>3,861</b>   | <b>8,777</b>        | <b>12,638</b> | <b>-</b>       | <b>1,724,246</b>    | <b>1,724,246</b> | <b>-</b>       | <b>-</b>            | <b>-</b>       |
| 42 District n° 1.....                 | -              | 7,824               | 7,824         | -              | 68,516              | 68,516           | -              | -                   | -              |
| 43 District n° 2.....                 | 3,861          | -                   | 3,861         | -              | 87,329              | 87,329           | -              | -                   | -              |
| 44 District n° 3.....                 | -              | 953                 | 953           | -              | 1,568,401           | 1,568,401        | -              | -                   | -              |

## 15. Proportion de poisson de mer pris en haute mer par les chalutiers à vapeur et autres navires pêchant sur les bancs, 1927—suite

| Saumon         |                     |              | Esturgeon      |                     |              | Cabillaud      |                     |              | Morue rouge    |                     |              |    |
|----------------|---------------------|--------------|----------------|---------------------|--------------|----------------|---------------------|--------------|----------------|---------------------|--------------|----|
| Prise au large | Prise sur les côtes | Prise totale | Prise au large | Prise sur les côtes | Prise totale | Prise au large | Prise sur les côtes | Prise totale | Prise au large | Prise sur les côtes | Prise totale |    |
| qtx            | qtx                 | qtx          | qtx            | qtx                 | qtx          | qtx            | qtx                 | qtx          | qtx            | qtx                 | qtx          |    |
| 6,685          | 1,532,823           | 1,539,508    | 1,105          | -                   | 1,105        | 7,936          | 8,494               | 16,430       | 200            | 49,716              | 49,916       | 1  |
| -              | 124                 | 124          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 2  |
| -              | 101                 | 101          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 3  |
| -              | 23                  | 23           | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 4  |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 5  |
| -              | 12,819              | 12,819       | 1,105          | -                   | 1,105        | -              | -                   | -            | -              | -                   | -            | 6  |
| -              | 298                 | 298          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 7  |
| -              | 1,487               | 1,487        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 8  |
| -              | 716                 | 716          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 9  |
| -              | 2,396               | 2,396        | 2              | -                   | 2            | -              | -                   | -            | -              | -                   | -            | 10 |
| -              | 60                  | 60           | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 11 |
| -              | 285                 | 285          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 12 |
| -              | 798                 | 798          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 13 |
| -              | 2,523               | 2,523        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 14 |
| -              | 1,001               | 1,001        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 15 |
| -              | 1,133               | 1,133        | 1,103          | -                   | 1,103        | -              | -                   | -            | -              | -                   | -            | 16 |
| -              | 86                  | 86           | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 17 |
| -              | 387                 | 387          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 18 |
| -              | 618                 | 618          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 19 |
| -              | 22                  | 22           | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 20 |
| -              | 189                 | 189          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 21 |
| -              | 17                  | 17           | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 22 |
| -              | 292                 | 292          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 23 |
| -              | 511                 | 511          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 24 |
| 6,685          | 15,401              | 22,086       | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 25 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 26 |
| -              | 3,450               | 3,450        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 27 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 28 |
| -              | 12                  | 12           | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 29 |
| 250            | 1,036               | 1,286        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 30 |
| 6,435          | 1,862               | 8,297        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 31 |
| -              | 4,353               | 4,353        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 32 |
| -              | 4,688               | 4,688        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 33 |
| -              | 14,084              | 14,084       | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 34 |
| -              | 5,938               | 5,938        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 35 |
| -              | 1,747               | 1,747        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 36 |
| -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 37 |
| -              | 4,889               | 4,889        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 38 |
| -              | 1,210               | 1,210        | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 39 |
| -              | 300                 | 300          | -              | -                   | -            | -              | -                   | -            | -              | -                   | -            | 40 |
| -              | 1,490,395           | 1,490,395    | -              | -                   | -            | 7,936          | 8,494               | 16,430       | 200            | 49,716              | 49,916       | 41 |
| -              | 352,890             | 352,890      | -              | -                   | -            | -              | 6,257               | 6,257        | -              | 26,143              | 26,143       | 42 |
| -              | 644,053             | 644,053      | -              | -                   | -            | 7,936          | -                   | 7,936        | 200            | -                   | 200          | 43 |
| -              | 493,452             | 493,452      | -              | -                   | -            | -              | 2,237               | 2,237        | -              | 23,573              | 23,573       | 44 |

15. Proportion de poisson de mer pris en haute mer par les chalutiers à vapeur et autres navires pêchant sur les bancs, 1927—suite

| Province et comté ou district       | Morue rouge    |                     |              | Roussette ou chien de mer |                     |              |
|-------------------------------------|----------------|---------------------|--------------|---------------------------|---------------------|--------------|
|                                     | Prise au large | Prise sur les côtes | Prise totale | Prise au large            | Prise sur les côtes | Prise totale |
|                                     | qtx            | qtx                 | qtx          | qtx                       | qtx                 | qtx          |
| 1 Canada—Totaux.....                | 878            | 3,558               | 4,436        | 62,931                    | 113,000             | 175,931      |
| 2 Ile du Prince-Edouard—Totaux..... | -              | -                   | -            | -                         | -                   | -            |
| 3 Kings.....                        | -              | -                   | -            | -                         | -                   | -            |
| 4 Queens.....                       | -              | -                   | -            | -                         | -                   | -            |
| 5 Prince.....                       | -              | -                   | -            | -                         | -                   | -            |
| 6 Nouvelle-Ecosse—Totaux.....       | -              | -                   | -            | 62,931                    | 300                 | 63,231       |
| 7 Richmond.....                     | -              | -                   | -            | -                         | -                   | -            |
| 8 Cap Breton.....                   | -              | -                   | -            | -                         | -                   | -            |
| 9 Victoria.....                     | -              | -                   | -            | -                         | -                   | -            |
| 10 Inverness.....                   | -              | -                   | -            | -                         | -                   | -            |
| 11 Cumberland.....                  | -              | -                   | -            | -                         | -                   | -            |
| 12 Colchester.....                  | -              | -                   | -            | -                         | -                   | -            |
| 13 Pictou.....                      | -              | -                   | -            | -                         | -                   | -            |
| 14 Antigonish.....                  | -              | -                   | -            | -                         | 300                 | 300          |
| 15 Guysborough.....                 | -              | -                   | -            | -                         | -                   | -            |
| 16 Halifax.....                     | -              | -                   | -            | 62,931                    | -                   | 62,931       |
| 17 Hants.....                       | -              | -                   | -            | -                         | -                   | -            |
| 18 Lunenburg.....                   | -              | -                   | -            | -                         | -                   | -            |
| 19 Queens.....                      | -              | -                   | -            | -                         | -                   | -            |
| 20 Shelburne.....                   | -              | -                   | -            | -                         | -                   | -            |
| 21 Yarmouth.....                    | -              | -                   | -            | -                         | -                   | -            |
| 22 Digby.....                       | -              | -                   | -            | -                         | -                   | -            |
| 23 Annapolis.....                   | -              | -                   | -            | -                         | -                   | -            |
| 24 Kings.....                       | -              | -                   | -            | -                         | -                   | -            |
| 25 Nouveau-Brunswick—Totaux.....    | -              | -                   | -            | -                         | -                   | -            |
| 26 Charlotte.....                   | -              | -                   | -            | -                         | -                   | -            |
| 27 St. John.....                    | -              | -                   | -            | -                         | -                   | -            |
| 28 Albert.....                      | -              | -                   | -            | -                         | -                   | -            |
| 29 Westmorland.....                 | -              | -                   | -            | -                         | -                   | -            |
| 30 Kent.....                        | -              | -                   | -            | -                         | -                   | -            |
| 31 Northumberland.....              | -              | -                   | -            | -                         | -                   | -            |
| 32 Gloucester.....                  | -              | -                   | -            | -                         | -                   | -            |
| 33 Restigouche.....                 | -              | -                   | -            | -                         | -                   | -            |
| 34 Québec—Totaux.....               | -              | -                   | -            | -                         | -                   | -            |
| 35 Bonaventure.....                 | -              | -                   | -            | -                         | -                   | -            |
| 36 Gaspé.....                       | -              | -                   | -            | -                         | -                   | -            |
| 37 Des-de-la-Madeleine.....         | -              | -                   | -            | -                         | -                   | -            |
| 38 Saguenay.....                    | -              | -                   | -            | -                         | -                   | -            |
| 39 Matane.....                      | -              | -                   | -            | -                         | -                   | -            |
| 40 Rimouski.....                    | -              | -                   | -            | -                         | -                   | -            |
| 41 Colombie Britannique—Totaux..... | 878            | 3,558               | 4,436        | -                         | 112,700             | 112,700      |
| 42 District n° 1.....               | -              | 1,213               | 1,213        | -                         | -                   | -            |
| 43 District n° 2.....               | 878            | -                   | 878          | -                         | -                   | -            |
| 44 District n° 3.....               | -              | 2,345               | 2,345        | -                         | 112,700             | 112,700      |

## 15. Proportion de poisson de mer pris en haute mer par les chalutiers à vapeur et autres navires pêchant sur les bancs, 1927—fin

| Espadon        |                     |              | Baleines       |                     |              | Tous autres poissons | Total <sup>1</sup> |                     |              |    |
|----------------|---------------------|--------------|----------------|---------------------|--------------|----------------------|--------------------|---------------------|--------------|----|
| Prise au large | Prise sur les côtes | Prise totale | Prise au large | Prise sur les côtes | Prise totale | Prise sur les côtes  | Prise au large     | Prise sur les côtes | Prise totale |    |
| qtx            | qtx                 | qtx          | nomb.          | nomo.               | nomb.        | qtx                  | qtx                | qtx                 | qtx          |    |
| 55             | 7,244               | 7,299        | 258            | -                   | 258          | 2,463,538            | 1,543,783          | 8,528,289           | 10,072,072   | 1  |
| -              | -                   | -            | -              | -                   | -            | 90,934               | -                  | 211,260             | 211,260      | 2  |
| -              | -                   | -            | -              | -                   | -            | 28,025               | -                  | 56,373              | 56,373       | 3  |
| -              | -                   | -            | -              | -                   | -            | 30,283               | -                  | 79,755              | 79,755       | 4  |
| -              | -                   | -            | -              | -                   | -            | 32,626               | -                  | 75,132              | 75,132       | 5  |
| 55             | 7,244               | 7,299        | -              | -                   | -            | 306,689              | 1,218,195          | 1,377,910           | 2,596,105    | 6  |
| -              | 156                 | 156          | -              | -                   | -            | 9,541                | -                  | 56,334              | 56,334       | 7  |
| -              | 5,159               | 5,159        | -              | -                   | -            | 12,594               | 787                | 88,826              | 89,613       | 8  |
| -              | 61                  | 61           | -              | -                   | -            | 8,367                | -                  | 110,955             | 110,955      | 9  |
| -              | -                   | -            | -              | -                   | -            | 18,610               | 21,014             | 56,185              | 77,199       | 10 |
| -              | -                   | -            | -              | -                   | -            | 7,692                | -                  | 10,803              | 10,803       | 11 |
| -              | -                   | -            | -              | -                   | -            | 1,017                | -                  | 1,462               | 1,462        | 12 |
| -              | -                   | -            | -              | -                   | -            | 16,106               | -                  | 18,972              | 18,972       | 13 |
| -              | 1,398               | 1,398        | -              | -                   | -            | 12,505               | -                  | 27,305              | 27,305       | 14 |
| -              | 317                 | 317          | -              | -                   | -            | 22,652               | 89,651             | 150,010             | 239,661      | 15 |
| -              | -                   | -            | -              | -                   | -            | 18,887               | 285,566            | 106,861             | 392,427      | 16 |
| -              | -                   | -            | -              | -                   | -            | 1,270                | -                  | 1,442               | 1,442        | 17 |
| -              | -                   | -            | -              | -                   | -            | 16,001               | 777,161            | 94,324              | 871,485      | 18 |
| -              | 91                  | 91           | -              | -                   | -            | 7,751                | -                  | 65,638              | 65,638       | 19 |
| -              | 62                  | 62           | -              | -                   | -            | 23,727               | 7,146              | 138,363             | 145,509      | 20 |
| 55             | -                   | 55           | -              | -                   | -            | 41,125               | 36,870             | 94,757              | 131,627      | 21 |
| -              | -                   | -            | -              | -                   | -            | 58,366               | -                  | 286,332             | 286,332      | 22 |
| -              | -                   | -            | -              | -                   | -            | 28,842               | -                  | 59,853              | 59,853       | 23 |
| -              | -                   | -            | -              | -                   | -            | 1,635                | -                  | 9,438               | 9,438        | 24 |
| -              | -                   | -            | -              | -                   | -            | 606,122              | 54,005             | 1,221,812           | 1,275,817    | 25 |
| -              | -                   | -            | -              | -                   | -            | 386,264              | -                  | 631,692             | 631,692      | 26 |
| -              | -                   | -            | -              | -                   | -            | 47,275               | -                  | 58,425              | 58,425       | 27 |
| -              | -                   | -            | -              | -                   | -            | 19                   | -                  | 19                  | 19           | 28 |
| -              | -                   | -            | -              | -                   | -            | 17,085               | -                  | 81,791              | 81,791       | 29 |
| -              | -                   | -            | -              | -                   | -            | 37,919               | 7,015              | 83,134              | 90,149       | 30 |
| -              | -                   | -            | -              | -                   | -            | 69,301               | 16,960             | 74,838              | 91,798       | 31 |
| -              | -                   | -            | -              | -                   | -            | 35,526               | 30,030             | 270,227             | 309,257      | 32 |
| -              | -                   | -            | -              | -                   | -            | 12,733               | -                  | 21,686              | 21,686       | 33 |
| -              | -                   | -            | -              | -                   | -            | 50,027               | -                  | 857,066             | 857,066      | 34 |
| -              | -                   | -            | -              | -                   | -            | 9,271                | -                  | 156,593             | 156,593      | 35 |
| -              | -                   | -            | -              | -                   | -            | 3,299                | -                  | 294,700             | 294,700      | 36 |
| -              | -                   | -            | -              | -                   | -            | 23,823               | -                  | 236,819             | 236,819      | 37 |
| -              | -                   | -            | -              | -                   | -            | 4,133                | -                  | 150,160             | 150,160      | 38 |
| -              | -                   | -            | -              | -                   | -            | 615                  | -                  | 6,008               | 6,008        | 39 |
| -              | -                   | -            | -              | -                   | -            | 8,886                | -                  | 12,786              | 12,786       | 40 |
| -              | -                   | -            | 258            | -                   | 258          | 1,415,766            | 271,583            | 4,860,241           | 5,131,824    | 41 |
| -              | -                   | -            | -              | -                   | -            | 15,143               | -                  | 515,400             | 515,400      | 42 |
| -              | -                   | -            | 258            | -                   | 258          | 12,931               | 271,583            | 744,313             | 1,015,896    | 43 |
| -              | -                   | -            | -              | -                   | -            | 1,387,692            | -                  | 3,600,528           | 3,600,528    | 44 |

<sup>1</sup> Excepté les baleines.

## 16. Résumé des capitaux engagés par provinces, 1927

| Opérations de pêche proprement dites            | Ile du Prince-Edouard |         | Nouvelle-Ecosse |              |
|-------------------------------------------------|-----------------------|---------|-----------------|--------------|
|                                                 | Nombre                | Valeur  | Nombre          | Valeur       |
| 1 Chalutiers à vapeur.....                      | -                     | \$ -    | 14              | \$ 1,060,000 |
| 2 Bateaux de pêche à vapeur et remorqueurs..... | -                     | -       | 3               | 11,000       |
| 3 Voiliers et embarcations à gazoline.....      | 8                     | 7,000   | 385             | 1,839,044    |
| 4 Chaloupes à voile et à rames.....             | 453                   | 5,170   | 4,178           | 105,851      |
| 5 Chaloupes à gazoline.....                     | 1,379                 | 335,030 | 5,668           | 1,347,892    |
| 6 Pinasses.....                                 | 13                    | 5,500   | 184             | 134,750      |
| 7 Rets, seines, pièges, etc.....                | 8,566                 | 56,114  | 50,922          | 1,073,225    |
| 8 Filets à enclos.....                          | -                     | -       | -               | -            |
| 9 Seines à cercles.....                         | -                     | -       | -               | -            |
| 10 Nasses.....                                  | -                     | -       | 84              | 27,150       |
| 11 Chaluts.....                                 | 723                   | 14,460  | 12,370          | 184,637      |
| 12 Lignes à main.....                           | 1,193                 | 2,386   | 22,904          | 27,538       |
| 13 Casiers à homard.....                        | 345,923               | 345,923 | 810,762         | 1,071,362    |
| 14 Pièges à anguille.....                       | -                     | -       | -               | -            |
| 15 Agrès de pêche à pétoncles.....              | -                     | -       | 78              | 8,170        |
| 16 Môles.....                                   | 29                    | 67,000  | 1,680           | 713,770      |
| 17 Congélateurs et glaciers.....                | 6                     | 11,800  | 317             | 131,651      |
| 18 Petites poissonneries et saurisséries.....   | 437                   | 16,450  | 4,323           | 426,790      |
| 19 Valeur totale.....                           | -                     | 866,833 | -               | 8,162,860    |

|                                                  | Ontario    |           | Manitoba |           |
|--------------------------------------------------|------------|-----------|----------|-----------|
|                                                  | Nombre     | Valeur    | Nombre   | Valeur    |
| 20 Chalutiers à vapeur.....                      | -          | \$ -      | -        | \$ -      |
| 21 Bateaux de pêche à vapeur et remorqueurs..... | 118        | 797,305   | 20       | 240,048   |
| 22 Voiliers et embarcations à gazoline.....      | -          | -         | -        | -         |
| 23 Chaloupes à voile et à rames.....             | 1,040      | 55,867    | 953      | 54,685    |
| 24 Chaloupes à gazoline.....                     | 1,006      | 618,020   | 105      | 55,750    |
| 25 Pinasses.....                                 | -          | -         | 2        | 5,000     |
| 26 Rets, seines, pièges, etc.....                | 17,198,376 | 837,524   | 52,270   | 483,558   |
| 27 Harpons.....                                  | 123        | 910       | -        | -         |
| 28 Chaluts.....                                  | -          | -         | -        | -         |
| 29 Filets à enclos.....                          | 1,224      | 528,422   | 16       | 3,200     |
| 30 Seines à cercles.....                         | 959        | 33,764    | 13       | 150       |
| 31 Carrelets sur dévidoirs.....                  | 47         | 651       | 10       | 40        |
| 32 Lignes à main.....                            | 1,006      | 14,937    | 3        | 15        |
| 33 Pièges à crabes.....                          | -          | -         | -        | -         |
| 34 Pièges tournants.....                         | -          | -         | -        | -         |
| 35 Etablissements d'ostréiculture.....           | -          | -         | -        | -         |
| 36 Môles et quais.....                           | 346        | 98,155    | 43       | 54,093    |
| 37 Congélateurs et glaciers.....                 | 486        | 271,635   | 55       | 106,430   |
| 38 Petites poissonneries et saurisséries.....    | -          | -         | 72       | 29,350    |
| 39 Valeur totale.....                            | -          | 3,257,190 | -        | 1,032,299 |

| Etablissements industriels                           | Ile du Prince-Edouard |            |
|------------------------------------------------------|-----------------------|------------|
|                                                      | Nombre                | Valeur     |
| 40 Homarderies.....                                  | 133                   | \$ 239,140 |
| 41 Saurisséries.....                                 | -                     | -          |
| 42 Etablissements de préparation des mollusques..... | 2)                    | -          |
| 43 Sardineries et autres poissonneries.....          | 1)                    | 11,500     |
| 44 Etablissements de fumage, salage et séchage.....  | 1)                    | -          |
| 45 Huilleries.....                                   | -                     | -          |
| 46 Total.....                                        | 137                   | 250,640    |

<sup>1</sup> En Ontario, les rets à mailles et les seines sont indiquées par verges.

## 17. Résumé du personnel, par provinces, 1927

|                                                                                | Ile du Prince-Edouard | Nouvelle-Ecosse | Nouveau-Brunswick |             |
|--------------------------------------------------------------------------------|-----------------------|-----------------|-------------------|-------------|
|                                                                                |                       |                 | Maritimes         | Intérieures |
|                                                                                | nombre                | nombre          | nombre            | nombre      |
| 47 Hommes employés sur les bateaux, embarcations, etc.....                     | 2,675                 | 16,131          | 9,701             | 497         |
| 48 Personnes employées dans les saurisséries de fumage, salage et séchage..... | 1,461                 | 3,616           | 2,146             | -           |
| 49 Total.....                                                                  | 4,136                 | 19,747          | 11,847            | 497         |

## 16. Résumé des capitaux engagés par provinces, 1927

| Nouveau-Brunswick   |           |                       |        |                 |           | Québec              |           |                       |         |                  |           |
|---------------------|-----------|-----------------------|--------|-----------------|-----------|---------------------|-----------|-----------------------|---------|------------------|-----------|
| Pêcheries maritimes |           | Pêcheries intérieures |        | Total pêcheries |           | Pêcheries maritimes |           | Pêcheries intérieures |         | Total, pêcheries |           |
| Nomb.               | Valeur    | Nomb.                 | Valeur | Nomb.           | Valeur    | Nomb.               | Valeur    | Nomb.                 | Valeur  | Nomb.            | Valeur    |
| -                   | \$ -      | -                     | \$ -   | -               | \$ -      | -                   | \$ -      | -                     | \$ -    | -                | \$ -      |
| -                   | -         | -                     | -      | -               | -         | -                   | -         | -                     | -       | -                | -         |
| 304                 | 206,950   | -                     | -      | 304             | 206,950   | 115                 | 64,100    | -                     | -       | 115              | 64,100    |
| 4,670               | 91,620    | 339                   | 3,130  | 5,009           | 94,750    | 1,576               | 58,640    | 1,498                 | 49,868  | 3,074            | 108,508   |
| 2,422               | 703,265   | 2                     | 1,000  | 2,424           | 704,265   | 2,289               | 632,550   | 222                   | 80,990  | 2,511            | 713,540   |
| 43                  | 47,743    | -                     | -      | 43              | 47,743    | 6                   | 2,800     | -                     | -       | 6                | 2,800     |
| 26,303              | 965,804   | 745                   | 7,949  | 27,048          | 973,753   | 32,280              | 504,045   | 780                   | 81,057  | 33,060           | 585,102   |
| -                   | -         | -                     | -      | -               | -         | -                   | -         | -                     | -       | -                | -         |
| 371                 | 559,365   | -                     | -      | 371             | 559,365   | -                   | -         | 1,442                 | 124,487 | 1,442            | 124,487   |
| 2,286               | 32,480    | -                     | -      | 2,286           | 32,480    | 1,327               | 25,940    | -                     | -       | 1,327            | 25,940    |
| 10,586              | 10,380    | -                     | -      | 10,586          | 10,380    | 23,581              | 24,129    | 1,657                 | 5,140   | 25,238           | 29,269    |
| 374,507             | 437,116   | -                     | -      | 374,507         | 437,116   | 128,592             | 141,519   | -                     | -       | 128,592          | 141,519   |
| 100                 | 400       | -                     | -      | 100             | 400       | -                   | -         | -                     | -       | -                | -         |
| -                   | -         | -                     | -      | -               | -         | -                   | -         | -                     | -       | -                | -         |
| 403                 | 132,150   | -                     | -      | 403             | 132,150   | 386                 | 31,700    | -                     | -       | 386              | 31,700    |
| 101                 | 248,500   | -                     | -      | 101             | 248,500   | 140                 | 45,620    | 241                   | 34,787  | 381              | 80,407    |
| 1,327               | 452,360   | -                     | -      | 1,327           | 452,360   | 1,196               | 72,925    | 222                   | 11,650  | 1,418            | 84,575    |
| -                   | 3,888,133 | -                     | 12,079 | -               | 3,900,212 | -                   | 1,603,968 | -                     | 387,979 | -                | 1,991,947 |

| Saskatchewan |        | Alberta |         | Colombe Britannique |            | Yukon  |          |
|--------------|--------|---------|---------|---------------------|------------|--------|----------|
| Nombre       | Valeur | Nombre  | Valeur  | Nombre              | Valeur     | Nombre | Valeur   |
| -            | \$ -   | -       | \$ -    | 3                   | \$ 180,000 | -      | \$ -     |
| -            | -      | -       | -       | 8                   | 167,000    | -      | -        |
| -            | -      | -       | -       | 749                 | 5,900,585  | -      | -        |
| 67           | 1,720  | 106     | 14,880  | 3,692               | 418,668    | 17     | 350 23   |
| 27           | 7,850  | 135     | 81,170  | 4,186               | 2,415,320  | 7      | 2,645 24 |
| -            | -      | -       | -       | 418                 | 375,500    | -      | -        |
| 4,204        | 74,837 | 5,683   | 118,805 | 6,519               | 2,579,051  | 60     | 2,200 26 |
| -            | -      | -       | -       | -                   | -          | -      | -        |
| -            | -      | -       | -       | 1,423               | 49,700     | -      | -        |
| -            | -      | -       | -       | -                   | -          | -      | -        |
| 24           | 240    | -       | -       | -                   | -          | -      | -        |
| -            | -      | -       | -       | -                   | -          | -      | -        |
| 2            | 20     | -       | -       | 9,313               | 68,277     | -      | -        |
| -            | -      | -       | -       | 6,045               | 22,735     | -      | -        |
| -            | -      | -       | -       | -                   | -          | 7      | 1,050 34 |
| -            | -      | -       | -       | 1                   | 26,000     | -      | -        |
| 30           | 2,650  | 50      | 12,375  | 13                  | 10,200     | -      | -        |
| 38           | 4,250  | 103     | 47,290  | 9                   | 13,300     | 2      | 200 37   |
| 6            | 400    | 55      | 3,970   | 30                  | 37,300     | 1      | 100 38   |
| -            | 91,967 | -       | 278,490 | -                   | 12,263,636 | -      | 6,545 39 |

| Nouvelle-Ecosse |            | Nouveau-Brunswick |            | Québec |           | Colombie Britannique |            |
|-----------------|------------|-------------------|------------|--------|-----------|----------------------|------------|
| Nombre          | Valeur     | Nombre            | Valeur     | Nombre | Valeur    | Nombre               | Valeur     |
| 124             | \$ 690,613 | 124               | \$ 390,126 | 57     | \$ 99,725 | -                    | \$ -       |
| -               | -          | -                 | -          | 4      | 14,637    | 77                   | 11,580,817 |
| 6               | 31,210     | 7                 | -          | -      | -         | -                    | -          |
| 3               | 358,303    | 2                 | 1,074,078  | -      | -         | -                    | -          |
| 85              | 2,070,898  | 34                | 145,472    | 29     | 301,965   | 50                   | 4,481,648  |
| 7               | 155,365    | 5                 | 17,100     | -      | -         | 22                   | 2,791,883  |
| 225             | 3,306,389  | 172               | 1,626,776  | 90     | 416,327   | 149                  | 18,851,350 |

### 17. Résumé du personnel, par provinces, 1927

| Québec          |                 | Ontario         | Manitoba        | Saskatchewan  | Alberta         | Colombie Britannique | Yukon           |
|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|----------------------|-----------------|
| Matitimes       | Intérieures     |                 |                 |               |                 |                      |                 |
| nombre<br>8,755 | nombre<br>2,161 | nombre<br>4,156 | nombre<br>4,095 | nombre<br>970 | nombre<br>1,161 | nombre<br>13,076     | nombre<br>37 47 |
| 1,228           | -               | -               | -               | -             | -               | 8,246                | - 48            |
| 9,983           | 2,161           | 4,156           | 4,095           | 970           | 1,161           | 21,322               | 37 49           |

### Primes

En vertu d'une «Loi pour encourager le développement des pêcheries maritimes et la construction des navires de pêche», une somme de \$160,000 est donnée en primes chaque année, par le Gouverneur en conseil. Sous le nom de Primes de Pêche, elles sont distribuées par le ministère de la Marine et des Pêcheries parmi les pêcheurs et propriétaires de navires de pêche et de barques de pêche du littoral de l'Atlantique selon les règlements édictés de temps à autre par le Gouverneur en conseil.

Les versements en 1927 ont été effectués sur les bases ci-après:

Aux propriétaires de navires de pêche ayant droit à cette prime—\$1 par tonne enregistrée; avec un maximum de \$80 par navire.

A chaque membre de leur équipage, \$8.

Aux propriétaires de barques mesurant au moins 12 pieds de quille, \$1 par embarcation.

A chaque pêcheur d'une barque ayant droit à une prime, \$6.60 chacun.

Il a été payé 9,609 réclamations de prime; 11,036 de ces réclamations furent payées l'année précédente.

Le montant total payé en 1927 est de \$158,375.80 réparti comme suit:

A 543 vaisseaux et leurs équipages, \$44,462.50.

A 9,066 barques et leurs équipages, \$113,913.30.

### Importations et exportations

La valeur du poisson et des produits de la pêche exportés au cours de l'année 1927 est de \$34,814,448 comparativement à \$37,089,545 en 1926. Les principaux produits sont le saumon en conserve, la morue sèche, le homard en conserve, le hareng saur et le homard frais. La valeur totale des importations est de \$3,768,901 comparativement à \$3,045,838 l'année précédente. Les principales importations sont les sardines et les huîtres.

### Revue rétrospective

Les cinq tableaux suivants présentent une revue rétrospective de l'industrie de la pêche au Canada dans les années passées. En ce qui concerne la production, les données sont établies par provinces et par années et remontent jusqu'à 1870. Quant au nombre et à la valeur des navires, barques, etc., les chiffres partent de l'année 1880. Enfin, le personnel occupé à cette industrie nous est révélé depuis 1895.



18. Revue rétrospective (a) Valeur totale des pêcheries dans les différentes provinces du Canada depuis 1870 jusqu'à 1927 inclusivement

| Année     | Ile du Prince-Edouard | Nouvelle-Ecosse | Nouveau-Brunswick | Québec    | Ontario   | Colombie-Britannique | Manitoba, Saskatchewan, Alberta et Yukon | Total pour tout le Canada |
|-----------|-----------------------|-----------------|-------------------|-----------|-----------|----------------------|------------------------------------------|---------------------------|
|           | \$                    | \$              | \$                | \$        | \$        | \$                   | \$                                       | \$                        |
| 1870..... | Inconnu               | 4,019,425       | 1,131,433         | 1,161,551 | 264,982   | Inconnu              | Inconnu                                  | 6,577,391                 |
| 1871..... | "                     | 5,101,030       | 1,185,633         | 1,093,612 | 193,524   | "                    | "                                        | 7,573,199                 |
| 1872..... | "                     | 6,016,835       | 1,065,450         | 1,320,189 | 267,633   | "                    | "                                        | 9,570,116                 |
| 1873..... | 207,595               | 6,577,085       | 2,285,682         | 1,391,564 | 293,091   | "                    | "                                        | 10,754,997                |
| 1874..... | 288,863               | 6,652,302       | 2,655,794         | 1,608,660 | 446,267   | "                    | "                                        | 11,681,886                |
| 1875..... | 208,027               | 5,573,851       | 2,427,654         | 1,596,750 | 453,194   | "                    | "                                        | 10,350,385                |
| 1876..... | 494,067               | 6,020,050       | 1,953,380         | 2,097,668 | 437,229   | 104,697              | "                                        | 11,117,000                |
| 1877..... | 763,036               | 5,527,858       | 2,133,237         | 2,560,147 | 438,223   | 583,433              | "                                        | 12,005,934                |
| 1878..... | 840,344               | 6,131,600       | 2,305,790         | 2,664,055 | 348,122   | 925,707              | "                                        | 13,215,678                |
| 1879..... | 1,402,301             | 5,752,937       | 2,554,722         | 2,820,395 | 367,133   | 681,766              | "                                        | 13,529,254                |
| 1880..... | 1,675,089             | 6,291,061       | 2,444,447         | 2,631,556 | 444,491   | 713,335              | "                                        | 14,499,979                |
| 1881..... | 1,955,290             | 6,214,782       | 2,930,904         | 2,751,962 | 509,903   | 1,454,321            | "                                        | 15,817,162                |
| 1882..... | 1,855,687             | 7,131,418       | 3,192,339         | 1,976,516 | 825,457   | 1,845,475            | "                                        | 16,824,092                |
| 1883..... | 1,272,468             | 7,689,374       | 3,185,674         | 2,138,997 | 1,027,033 | 1,644,646            | "                                        | 16,958,192                |
| 1884..... | 1,085,619             | 8,763,779       | 3,730,454         | 1,694,561 | 1,133,724 | 1,358,267            | "                                        | 17,760,404                |
| 1885..... | 1,293,430             | 8,283,922       | 4,005,431         | 1,719,460 | 1,342,692 | 1,078,038            | "                                        | 17,722,973                |
| 1886..... | 1,141,001             | 8,415,362       | 4,180,237         | 1,741,382 | 1,435,998 | 1,577,348            | 186,980                                  | 18,679,288                |
| 1887..... | 1,037,426             | 8,379,782       | 3,559,507         | 1,773,567 | 1,531,850 | 1,974,887            | 129,084                                  | 19,386,103                |
| 1888..... | 876,862               | 7,817,030       | 2,941,863         | 1,860,012 | 1,839,869 | 1,902,195            | 180,677                                  | 17,418,508                |
| 1889..... | 886,430               | 6,346,722       | 3,067,039         | 1,876,194 | 1,963,123 | 3,248,067            | 167,679                                  | 17,655,254                |
| 1890..... | 1,041,109             | 6,636,444       | 2,609,055         | 1,615,119 | 2,009,637 | 3,481,432            | 232,104                                  | 17,714,900                |
| 1891..... | 1,238,733             | 7,011,300       | 3,571,050         | 2,008,678 | 1,806,389 | 3,008,755            | 332,969                                  | 18,977,874                |
| 1892..... | 1,179,856             | 6,340,724       | 3,203,922         | 2,236,732 | 2,042,198 | 2,849,483            | 1,088,254                                | 18,941,169                |
| 1893..... | 1,133,368             | 6,407,279       | 3,746,121         | 2,218,905 | 1,694,030 | 4,443,963            | 1,042,093                                | 20,686,659                |
| 1894..... | 1,119,738             | 6,547,387       | 4,351,526         | 2,303,386 | 1,659,965 | 3,950,478            | 787,087                                  | 20,719,570                |
| 1895..... | 976,836               | 6,213,131       | 4,403,158         | 1,867,920 | 1,584,473 | 4,401,354            | 752,466                                  | 20,199,338                |
| 1896..... | 976,126               | 6,070,895       | 4,799,433         | 2,025,754 | 1,605,674 | 4,132,099            | 745,543                                  | 20,407,424                |
| 1897..... | 954,949               | 8,090,346       | 3,934,135         | 1,737,011 | 1,289,822 | 6,138,865            | 638,416                                  | 22,783,544                |
| 1898..... | 1,070,202             | 7,226,034       | 3,849,357         | 1,761,440 | 1,433,632 | 3,713,101            | 613,355                                  | 19,667,121                |
| 1899..... | 1,043,645             | 7,347,604       | 4,119,891         | 1,953,134 | 1,590,447 | 5,214,074            | 622,911                                  | 21,891,706                |
| 1900..... | 1,059,193             | 7,809,152       | 3,769,742         | 1,989,279 | 1,333,294 | 4,878,820            | 718,159                                  | 21,557,639                |
| 1901..... | 1,050,623             | 7,989,548       | 4,193,264         | 2,174,459 | 1,428,078 | 7,942,771            | 958,410                                  | 25,737,153                |
| 1902..... | 887,024               | 7,351,753       | 3,912,514         | 2,050,175 | 1,265,706 | 5,284,824            | 1,198,437                                | 21,959,339                |
| 1903..... | 1,099,510             | 7,841,602       | 4,186,800         | 2,211,792 | 1,535,144 | 4,748,365            | 1,478,665                                | 23,101,878                |
| 1904..... | 1,077,546             | 7,287,099       | 4,671,084         | 1,751,397 | 1,792,229 | 5,219,107            | 1,716,977                                | 23,516,439                |
| 1905..... | 908,922               | 8,250,085       | 4,847,090         | 2,003,716 | 1,708,963 | 9,850,216            | 1,811,570                                | 29,479,562                |
| 1906..... | 1,168,939             | 7,799,160       | 4,905,225         | 2,175,035 | 1,734,856 | 7,003,347            | 1,492,923                                | 26,279,435                |
| 1907..... | 1,492,695             | 7,632,330       | 5,309,564         | 2,047,390 | 1,935,025 | 6,122,923            | 968,422                                  | 25,499,340                |
| 1908..... | 1,378,624             | 8,009,838       | 4,754,298         | 1,851,817 | 2,100,078 | 6,466,038            | 861,392                                  | 25,451,085                |
| 1909..... | 1,197,557             | 8,081,111       | 4,676,315         | 1,808,437 | 2,177,813 | 10,314,755           | 1,373,151                                | 29,629,169                |
| 1910..... | 1,153,708             | 10,119,243      | 4,134,144         | 1,692,475 | 2,026,121 | 9,163,235            | 1,676,507                                | 30,965,433                |
| 1911..... | 1,196,396             | 9,367,550       | 4,886,157         | 1,868,136 | 2,205,436 | 13,677,125           | 1,467,072                                | 34,667,872                |
| 1912..... | 1,379,905             | 7,384,055       | 4,264,054         | 1,988,241 | 2,842,878 | 14,455,488           | 1,074,843                                | 33,389,464                |
| 1913..... | 1,280,447             | 8,297,626       | 4,308,707         | 1,850,427 | 2,674,685 | 13,891,398           | 904,458                                  | 33,207,748                |
| 1914..... | 1,261,666             | 7,730,191       | 4,940,083         | 1,924,430 | 2,755,291 | 11,515,086           | 1,131,884                                | 31,264,631                |
| 1915..... | 933,682               | 9,166,851       | 4,737,145         | 2,076,851 | 3,341,182 | 14,538,320           | 1,066,677                                | 35,860,708                |
| 1916..... | 1,344,179             | 10,082,902      | 5,056,859         | 2,991,624 | 2,658,993 | 14,637,346           | 1,826,475                                | 39,208,278                |
| 1917..... | 1,786,319             | 14,468,319      | 6,143,088         | 3,414,738 | 2,866,419 | 21,518,595           | 2,114,935                                | 52,312,044                |
| 1918..... | 1,148,201             | 15,143,060      | 6,298,990         | 4,577,973 | 3,175,111 | 27,282,223           | 2,634,180                                | 60,250,744                |
| 1919..... | 1,536,844             | 15,171,929      | 4,879,874         | 4,258,731 | 3,410,750 | 25,301,607           | 1,849,044                                | 56,508,479                |
| 1920..... | 1,708,723             | 12,742,659      | 4,423,545         | 2,592,382 | 3,336,412 | 22,329,161           | 2,018,257                                | 49,241,339                |
| 1921..... | 924,529               | 9,778,623       | 5,690,726         | 1,815,284 | 3,065,042 | 13,953,670           | 1,704,061                                | 34,931,935                |
| 1922..... | 1,612,599             | 10,209,258      | 4,685,060         | 2,089,414 | 2,858,122 | 18,849,658           | 1,495,499                                | 41,800,210                |
| 1923..... | 1,754,980             | 8,448,385       | 4,548,535         | 2,100,412 | 3,159,427 | 20,795,914           | 1,757,892                                | 42,565,455                |
| 1924..... | 1,201,772             | 8,777,251       | 5,083,809         | 2,283,314 | 3,557,587 | 21,257,567           | 2,072,935                                | 44,534,235                |
| 1925..... | 1,598,119             | 10,213,779      | 4,798,589         | 3,044,919 | 3,436,412 | 22,414,618           | 2,435,695                                | 47,942,131                |
| 1926..... | 1,358,934             | 12,505,922      | 5,325,478         | 3,110,964 | 3,152,192 | 27,367,109           | 3,540,033                                | 56,360,633                |
| 1927..... | 1,367,807             | 10,783,631      | 4,406,673         | 2,736,450 | 3,670,229 | 23,264,342           | 3,267,906                                | 49,497,038                |

**18. Revue rétrospective (b) Nombre et valeur des navires et barques de pêche du Canada et valeur des agrès de pêche et du matériel de l'industrie poissonnière pour les années 1880, 1885, 1890, 1895 et de 1900 à 1927**

| Année     | Navires |            | Barques |           | Valeur des filets et seines | Autre matériel de l'industrie poissonnière (?) | Total du capital |
|-----------|---------|------------|---------|-----------|-----------------------------|------------------------------------------------|------------------|
|           | Nombre  | Valeur     | Nombre  | Valeur    |                             |                                                |                  |
|           |         | \$         |         | \$        | \$                          | \$                                             | \$               |
| 1880..... | 1,181   | 1,814,688  | 25,266  | 716,352   | 985,978                     | 419,564                                        | 3,938,582        |
| 1885..... | 1,177   | 2,021,633  | 28,472  | 852,257   | 1,219,284                   | 2,604,285                                      | 6,697,459        |
| 1890..... | 1,069   | 2,152,790  | 29,803  | 924,346   | 1,695,358                   | 2,600,147                                      | 7,372,641        |
| 1895..... | 1,121   | 2,318,290  | 34,268  | 1,014,057 | 1,713,190                   | 4,208,311                                      | 9,253,848        |
| 1900..... | 1,212   | 1,940,329  | 38,930  | 1,248,171 | 2,405,860                   | 5,395,765                                      | 10,990,125       |
| 1905..... | 1,384   | 2,813,834  | 41,463  | 1,373,337 | 2,310,508                   | 6,383,218                                      | 12,880,897       |
| 1906..... | 1,439   | 2,841,875  | 39,634  | 1,462,374 | 2,426,341                   | 7,824,975                                      | 14,555,565       |
| 1907..... | 1,390   | 2,748,234  | 38,711  | 1,437,196 | 2,266,722                   | 8,374,440                                      | 14,826,592       |
| 1908..... | 1,441   | 3,571,871  | 39,965  | 1,696,856 | 2,283,127                   | 7,956,420                                      | 15,509,354       |
| 1909..... | 1,750   | 3,303,121  | 41,170  | 1,855,629 | 2,572,820                   | 9,626,362                                      | 17,357,932       |
| 1910..... | 1,680   | 3,028,625  | 38,977  | 2,483,996 | 2,786,548                   | 10,720,701                                     | 19,019,870       |
| 1911..... | 1,648   | 3,502,928  | 36,761  | 2,695,650 | 2,453,191                   | 12,281,135                                     | 20,932,904       |
| 1912..... | 1,669   | 4,671,923  | 34,501  | 3,072,115 | 4,154,880                   | 12,489,541                                     | 24,388,459       |
| 1913..... | 1,992   | 4,445,259  | 37,686  | 3,834,178 | 3,423,110                   | 15,761,486                                     | 27,464,033       |
| 1914..... | 1,892   | 4,390,660  | 39,144  | 3,957,912 | 3,313,581                   | 13,071,009                                     | 24,733,162       |
| 1915..... | 1,984   | 4,594,504  | 38,536  | 4,345,954 | 3,544,087                   | 13,371,030                                     | 25,855,575       |
| 1916..... | 1,965   | 5,267,724  | 40,105  | 4,829,793 | 4,485,269                   | 14,146,176                                     | 28,728,962       |
| 1917..... | 1,533   | 6,268,946  | 42,689  | 5,770,464 | 5,347,497                   | 29,756,218                                     | 47,143,125       |
| 1918..... | 1,417   | 6,790,888  | 38,726  | 7,059,638 | 6,174,967                   | 40,196,370                                     | 60,221,863       |
| 1919..... | 1,373   | 7,768,160  | 36,434  | 7,470,095 | 6,312,245                   | 33,026,526                                     | 54,577,026       |
| 1920..... | 1,228   | 8,316,071  | 30,522  | 7,859,899 | 6,697,214                   | 27,532,194                                     | 50,405,478       |
| 1921..... | 1,145   | 6,326,830  | 31,747  | 7,379,606 | 6,112,142                   | 25,850,926                                     | 45,669,477       |
| 1922..... | 1,251   | 6,704,986  | 35,166  | 6,896,512 | 5,876,309                   | 28,287,181                                     | 47,764,988       |
| 1923..... | 1,162   | 6,249,971  | 32,360  | 5,813,421 | 5,656,712                   | 29,952,846                                     | 47,622,950       |
| 1924..... | 1,211   | 5,612,448  | 34,110  | 6,232,613 | 5,530,556                   | 26,481,733                                     | 43,857,350       |
| 1925..... | 1,399   | 6,702,074  | 34,835  | 6,809,445 | 6,203,876                   | 27,157,235                                     | 46,872,630       |
| 1926..... | 1,560   | 8,642,596  | 35,564  | 7,431,191 | 6,684,269                   | 35,148,628                                     | 57,906,684       |
| 1927..... | 1,727   | 10,473,032 | 36,703  | 7,713,204 | 7,350,636                   | 30,769,589                                     | 56,306,461       |

(2) Cela comprend toutes les fabriques de conserves de poisson, les poissonneries et établissements de fumage, les entrepôts frigorifiques, les mûles et quais affectés à la pêche, les casiers à homard, pièges à saumon et à crabe, les nasses, chaluts et autres agrès de pêche, à l'exception des "navires", des "barques" et des "filets et seines".

**18. Revue rétrospective (c) Nombre de personnes employées dans l'industrie poissonnière en 1895 et depuis 1900 jusqu'à 1927**

| Année     | Employés dans les fabriques et poissonneries | Pêcheurs sur navires | Pêcheurs en barques | Pêcheurs sans bateau <sup>1</sup> | Total de pêcheurs | Total des employés dans l'industrie poissonnière |
|-----------|----------------------------------------------|----------------------|---------------------|-----------------------------------|-------------------|--------------------------------------------------|
|           | nombre                                       | nombre               | nombre              | nombre                            | nombre            | nombre                                           |
| 1895..... | 13,030                                       | 9,804                | 61,530              | -                                 | 71,334            | 84,364                                           |
| 1900..... | 18,205                                       | 9,205                | 71,859              | -                                 | 81,064            | 99,269                                           |
| 1905..... | 14,037                                       | 9,366                | 73,505              | -                                 | 82,871            | 96,908                                           |
| 1906..... | 12,317                                       | 8,458                | 67,646              | -                                 | 76,104            | 89,021                                           |
| 1907..... | 11,442                                       | 8,089                | 63,165              | -                                 | 71,254            | 82,696                                           |
| 1908..... | 13,753                                       | 8,550                | 62,520              | -                                 | 71,070            | 84,823                                           |
| 1909..... | 21,694                                       | 7,931                | 60,732              | -                                 | 68,663            | 90,357                                           |
| 1910..... | 24,978                                       | 8,521                | 60,089              | -                                 | 68,610            | 93,588                                           |
| 1911..... | 25,206                                       | 9,056                | 56,870              | -                                 | 65,926            | 91,132                                           |
| 1912..... | 23,327                                       | 9,076                | 56,005              | -                                 | 65,081            | 88,408                                           |
| 1913..... | 26,893                                       | 10,525               | 61,251              | -                                 | 71,776            | 98,669                                           |
| 1914..... | 24,559                                       | 9,400                | 60,554              | -                                 | 69,954            | 94,513                                           |
| 1915..... | 27,320                                       | 9,541                | 65,821              | -                                 | 74,862            | 102,182                                          |
| 1916..... | 25,680                                       | 9,192                | 60,432              | -                                 | 69,624            | 95,304                                           |
| 1917..... | 22,732                                       | 8,946                | 62,700              | 744                               | 72,390            | 95,122                                           |
| 1918..... | 18,554                                       | 8,668                | 58,110              | 1,738                             | 68,516            | 87,070                                           |
| 1919..... | 18,356                                       | 8,908                | 56,280              | 2,616                             | 67,804            | 86,160                                           |
| 1920..... | 18,499                                       | 7,918                | 47,418              | 1,861                             | 57,197            | 75,696                                           |
| 1921..... | 14,104                                       | 6,899                | 46,580              | 1,751                             | 55,230            | 69,334                                           |
| 1922..... | 16,577                                       | 7,503                | 48,480              | 1,897                             | 57,880            | 74,457                                           |
| 1923..... | 15,447                                       | 6,694                | 44,482              | 2,341                             | 53,517            | 68,964                                           |
| 1924..... | 15,536                                       | 6,663                | 44,326              | 2,925                             | 53,914            | 69,450                                           |
| 1925..... | 16,272                                       | 7,566                | 47,531              | 3,176                             | 58,273            | 74,545                                           |
| 1926..... | 17,408                                       | 8,638                | 49,058              | 3,675                             | 61,371            | 78,779                                           |
| 1927..... | 16,697                                       | 8,851                | 48,800              | 5,764                             | 63,415            | 80,112                                           |

<sup>1</sup> Non classifié séparément, antérieurement à 1917.

## 18. (d) Capital engagé dans l'industrie de la pêche, par provinces, 1880-1927

| Année     | Ile du<br>Prince-<br>Edouard | Nouvelle-<br>Ecosse | Nouveau-<br>Brunswick | Québec    | Ontario   | Colombie<br>Britan-<br>nique | Manitoba,<br>Saskat-<br>chewan,<br>Alberta et<br>Yukon | Canada     |
|-----------|------------------------------|---------------------|-----------------------|-----------|-----------|------------------------------|--------------------------------------------------------|------------|
|           | \$                           | \$                  | \$                    | \$        | \$        | \$                           | \$                                                     | \$         |
| 1880..... | 106,011                      | 2,225,493           | 490,714               | 756,796   | 177,543   | 182,025                      | Inexistant                                             | 3,938,582  |
| 1885..... | 493,143                      | 3,010,000           | 1,075,879             | 930,358   | 378,274   | 809,805                      | "                                                      | 6,697,459  |
| 1890..... | 348,320                      | 3,243,310           | 1,184,745             | 521,544   | 563,443   | 1,511,279                    | "                                                      | 7,372,641  |
| 1895..... | 479,639                      | 3,139,968           | 1,710,347             | 804,703   | 831,505   | 2,085,435                    | 202,251                                                | 9,253,848  |
| 1900..... | 442,120                      | 3,278,623           | 2,361,087             | 830,869   | 789,042   | 2,987,104                    | 301,280                                                | 10,990,125 |
| 1901..... | 425,589                      | 3,319,334           | 2,233,825             | 954,661   | 750,921   | 3,360,082                    | 446,888                                                | 11,491,300 |
| 1902..... | 395,648                      | 3,485,489           | 1,943,654             | 1,014,168 | 816,392   | 3,160,683                    | 489,925                                                | 11,305,959 |
| 1903..... | 464,792                      | 3,937,428           | 2,005,391             | 1,124,848 | 846,368   | 3,256,102                    | 606,525                                                | 12,241,454 |
| 1904..... | 444,868                      | 4,016,661           | 2,113,377             | 1,243,085 | 931,097   | 2,935,416                    | 672,438                                                | 12,356,942 |
| 1905..... | 417,951                      | 4,361,897           | 2,182,059             | 1,138,875 | 960,700   | 3,158,145                    | 661,270                                                | 12,880,897 |
| 1906..... | 460,694                      | 4,529,301           | 2,171,083             | 1,207,515 | 942,910   | 4,591,560                    | 652,502                                                | 14,555,565 |
| 1907..... | 488,905                      | 4,469,041           | 2,332,455             | 1,134,315 | 1,099,403 | 4,767,893                    | 534,610                                                | 14,826,592 |
| 1908..... | 547,714                      | 5,052,148           | 2,365,563             | 1,101,746 | 1,125,884 | 4,898,854                    | 417,445                                                | 15,509,354 |
| 1909..... | 568,828                      | 5,014,909           | 2,346,467             | 1,097,767 | 1,147,075 | 6,823,852                    | 359,034                                                | 17,357,932 |
| 1910..... | 601,753                      | 5,334,083           | 2,576,795             | 1,031,813 | 1,165,229 | 7,830,976                    | 479,221                                                | 19,019,870 |
| 1911..... | 641,731                      | 5,645,276           | 2,894,795             | 1,215,532 | 1,170,365 | 8,903,000                    | 462,205                                                | 20,932,904 |
| 1912..... | 851,070                      | 6,531,590           | 3,508,899             | 1,440,114 | 1,808,404 | 9,941,049                    | 307,333                                                | 24,388,459 |
| 1913..... | 948,667                      | 7,110,210           | 3,600,547             | 1,445,871 | 1,506,581 | 12,489,613                   | 362,544                                                | 27,464,033 |
| 1914..... | 1,030,464                    | 7,568,821           | 3,765,020             | 1,392,039 | 1,752,339 | 8,829,740                    | 394,739                                                | 24,733,162 |
| 1915..... | 1,024,268                    | 7,899,112           | 3,958,714             | 1,464,373 | 1,860,732 | 9,141,915                    | 506,461                                                | 25,855,575 |
| 1916..... | 1,178,148                    | 8,661,643           | 4,487,601             | 1,479,593 | 2,027,018 | 10,371,303                   | 523,656                                                | 28,728,962 |
| 1917..... | 1,770,949                    | 11,702,311          | 5,733,071             | 3,283,218 | 2,331,182 | 21,696,345                   | 626,049                                                | 47,143,125 |
| 1918..... | 1,529,184                    | 13,084,412          | 6,960,327             | 4,469,164 | 2,694,102 | 30,478,437                   | 1,006,237                                              | 60,221,863 |
| 1919..... | 1,528,541                    | 13,971,628          | 5,878,652             | 3,767,293 | 3,039,682 | 25,373,497                   | 1,017,733                                              | 54,577,026 |
| 1920..... | 1,309,179                    | 13,347,270          | 4,931,856             | 3,246,442 | 3,269,971 | 23,280,359                   | 1,010,401                                              | 50,405,478 |
| 1921..... | 970,798                      | 12,265,465          | 4,436,076             | 2,735,617 | 3,151,715 | 21,135,723                   | 974,083                                                | 45,669,477 |
| 1922..... | 1,161,325                    | 12,860,960          | 4,614,008             | 2,142,572 | 3,352,410 | 22,763,363                   | 870,350                                                | 47,764,988 |
| 1923..... | 1,278,481                    | 12,188,808          | 4,574,617             | 2,267,511 | 2,807,368 | 23,577,988                   | 978,177                                                | 47,672,950 |
| 1924..... | 1,211,858                    | 10,990,472          | 5,357,891             | 2,328,671 | 2,995,362 | 19,905,883                   | 1,067,213                                              | 43,857,350 |
| 1925..... | 1,237,972                    | 11,674,790          | 5,247,448             | 2,708,239 | 3,235,510 | 21,674,584                   | 1,094,087                                              | 46,872,630 |
| 1926..... | 1,166,620                    | 12,094,428          | 5,369,112             | 2,766,536 | 3,337,737 | 31,862,753                   | 1,309,498                                              | 57,906,684 |
| 1927..... | 1,117,473                    | 11,469,249          | 5,526,988             | 2,408,274 | 3,257,190 | 31,117,986                   | 1,409,301                                              | 56,306,461 |

## 18. (e) Personnel de l'industrie de la pêche au Canada, par provinces 1895 et de 1900 à 1927

| Année     | Ile du Prince-Edouard | Nouvelle-Ecosse | Nouveau-Brunswick | Québec | Ontario | Manitoba, Saskatchewan, Alberta et Yukon | Colombie Britannique | Canada  |
|-----------|-----------------------|-----------------|-------------------|--------|---------|------------------------------------------|----------------------|---------|
|           | nomb.                 | nomb.           | nomb.             | nomb.  | nomb.   | nomb.                                    | nomb.                | nomb.   |
| 1895..... | 7,058                 | 29,369          | 14,489            | 14,119 | 3,259   | 1,585                                    | 14,485               | 84,364  |
| 1900..... | 8,178                 | 31,659          | 18,079            | 16,231 | 2,502   | 1,326                                    | 21,294               | 99,269  |
| 1901..... | 7,041                 | 29,529          | 17,713            | 13,252 | 2,802   | 2,914                                    | 20,354               | 93,605  |
| 1902..... | 6,576                 | 28,946          | 17,305            | 13,977 | 2,885   | 3,512                                    | 18,563               | 91,364  |
| 1903..... | 6,318                 | 28,260          | 17,333            | 16,528 | 3,003   | 2,573                                    | 19,137               | 93,152  |
| 1904..... | 6,706                 | 28,860          | 18,342            | 14,498 | 3,125   | 4,559                                    | 15,236               | 91,326  |
| 1905..... | 5,520                 | 30,782          | 19,406            | 14,768 | 3,185   | 5,027                                    | 18,220               | 96,908  |
| 1906..... | 5,768                 | 27,864          | 19,502            | 13,316 | 3,085   | 3,931                                    | 15,555               | 89,021  |
| 1907..... | 6,249                 | 26,797          | 18,179            | 12,908 | 3,180   | 2,549                                    | 12,834               | 82,696  |
| 1908..... | 5,899                 | 28,227          | 21,419            | 12,321 | 3,263   | 1,926                                    | 11,768               | 84,823  |
| 1909..... | 5,832                 | 26,673          | 20,427            | 12,054 | 3,601   | 2,270                                    | 19,500               | 90,357  |
| 1910..... | 7,975                 | 26,568          | 22,660            | 12,052 | 3,767   | 3,458                                    | 17,108               | 93,588  |
| 1911..... | 5,868                 | 28,368          | 22,157            | 12,582 | 3,831   | 3,139                                    | 15,167               | 91,132  |
| 1912..... | 5,703                 | 26,538          | 21,675            | 11,386 | 3,604   | 3,874                                    | 15,628               | 88,408  |
| 1913..... | 6,264                 | 28,879          | 21,876            | 10,973 | 3,511   | 6,459                                    | 20,707               | 98,669  |
| 1914..... | 5,832                 | 29,364          | 22,034            | 11,012 | 4,076   | 3,867                                    | 18,328               | 94,513  |
| 1915..... | 5,643                 | 29,062          | 23,373            | 13,797 | 4,114   | 8,373                                    | 17,820               | 102,182 |
| 1916..... | 6,235                 | 28,682          | 21,799            | 12,158 | 3,592   | 4,483                                    | 18,355               | 95,304  |
| 1917..... | 5,888                 | 26,557          | 21,030            | 11,721 | 3,705   | 5,338                                    | 20,883               | 95,122  |
| 1918..... | 5,684                 | 25,368          | 15,712            | 12,180 | 3,918   | 4,051                                    | 20,157               | 87,070  |
| 1919..... | 5,369                 | 26,133          | 13,789            | 12,210 | 4,156   | 3,700                                    | 20,803               | 86,160  |
| 1920..... | 4,793                 | 23,574          | 11,325            | 10,460 | 3,693   | 2,970                                    | 18,881               | 75,696  |
| 1921..... | 3,644                 | 23,238          | 10,542            | 9,635  | 3,600   | 3,001                                    | 15,674               | 69,334  |
| 1922..... | 4,204                 | 23,977          | 12,130            | 11,127 | 4,003   | 3,203                                    | 15,813               | 74,457  |
| 1923..... | 4,586                 | 20,586          | 11,484            | 9,978  | 3,742   | 3,731                                    | 14,857               | 68,964  |
| 1924..... | 4,205                 | 19,192          | 11,119            | 10,023 | 4,267   | 4,464                                    | 16,180               | 69,450  |
| 1925..... | 4,749                 | 19,870          | 11,340            | 11,808 | 4,263   | 5,133                                    | 17,382               | 74,545  |
| 1926..... | 4,480                 | 20,191          | 11,438            | 12,010 | 4,145   | 5,817                                    | 20,598               | 78,779  |
| 1927..... | 4,136                 | 19,747          | 12,344            | 12,144 | 4,156   | 6,263                                    | 21,322               | 80,112  |





DEPARTMENT OF MARINE AND FISHERIES  
FISHERIES BRANCH

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ANNUAL REPORT

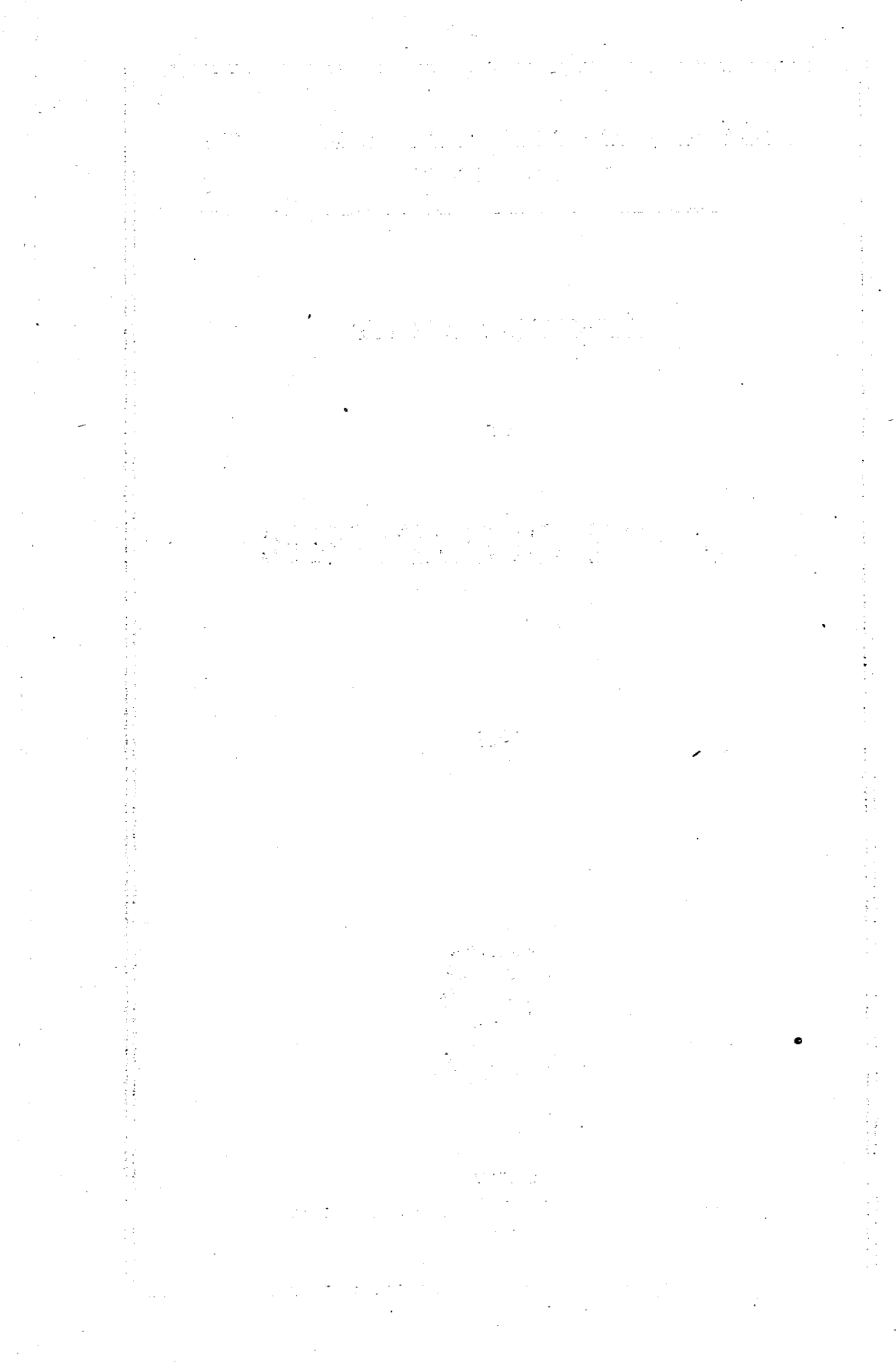
ON

# FISH CULTURE

1927



OTTAWA  
F. A. ACLAND  
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY  
1929





# FISH CULTURE

## ANNUAL REPORT BY J. A. RODD, SUPERINTENDENT

The fish cultural operations of the department during the calendar year 1927 were devoted almost entirely to the propagation of the more important fresh-water and anadromous food and game fishes, such as Atlantic salmon and speckled trout in the Maritime Provinces, whitefish and pickerel in the Prairie Provinces and Pacific salmon and trout in British Columbia. In recent years the propagation of game trout has received greater attention than it formerly did, and the distribution of such fish in 1927 was slightly larger than the record distribution of the previous year. As Ontario and Quebec administer their fisheries, no hatcheries are operated by this department in those provinces.

Some progress was made in the development of a brood stock of trout at the Saint John hatchery, New Brunswick, where nearly two and three-quarter million trout eggs were produced during the year. Increased facilities for retaining and feeding fry were provided at several hatcheries where such development was feasible and new hatcheries were built or arranged for at points where they are most needed, as the demands for assistance to natural reproduction are annually more numerous and more insistent.

The total distribution was considerably less during 1927 than it was during the previous year, due to the fact that eight hatcheries in Ontario were transferred to the provincial Department of Game and Fisheries in 1926, after the fry produced therein were disposed of, and were not operated by this department in 1927. The distribution from these eight hatcheries in 1926 was approximately four hundred and fifty-four million five hundred thousand, and, omitting the distribution from these establishments, the total output in 1927 was over twenty-seven million greater than in 1926. The total distribution was over two hundred and ninety-five million two hundred and eighty-three thousand, as shown by species in the following statement:—

STATEMENT, BY SPECIES, OF THE FISH AND FISH EGGS DISTRIBUTED FROM THE HATCHERIES DURING THE YEAR ENDED DECEMBER 31, 1927

| Species                                              | Green eggs | Eyed eggs  | Fry         | Advanced fry | Finger-lings | Yearlings and older fish | Total distribution |
|------------------------------------------------------|------------|------------|-------------|--------------|--------------|--------------------------|--------------------|
| <i>Salmo salar</i> —Atlantic salmon.....             |            | 503,320    | 5,916,403   | 5,652,000    | 8,199,970    | .....                    | 20,271,693         |
| <i>Salmo salar sebago</i> —Landlocked salmon.....    |            | 3,400      | .....       | 50,000       | 93,680       | 200                      | 147,280            |
| <i>Salmo irideus</i> —Rainbow trout.....             |            | 205,700    | 160,000     | 32,000       | 83,259       | 209                      | 481,168            |
| <i>Salmo clarkii</i> —Cutthroat trout.....           |            | 151,840    | 1,153,310   | .....        | .....        | .....                    | 1,305,150          |
| <i>Salmo gairdneri</i> —Steel head salmon.....       |            | 96,505     | 140,769     | 4,000        | 8,007        | .....                    | 249,281            |
| <i>Salmo gairdneri kamloops</i> —Kamloops trout..... |            | 1,684,000  | 920,520     | .....        | .....        | .....                    | 2,604,520          |
| <i>Salmo leucostictus</i> —Loch leven trout.....     |            | 3,132      | .....       | .....        | .....        | 10                       | 3,142              |
| <i>Salmo fario</i> —Brown trout.....                 |            | 18,684     | 621,935     | .....        | 33,052       | 11                       | 673,682            |
| <i>Oncorhynchus nerka</i> —Sockeye salmon.....       | 29,197,000 | .....      | 65,729,113  | 608,000      | 4,638,665    | 188                      | 100,192,966        |
| <i>Oncorhynchus tshawytscha</i> —Spring salmon.....  | 755,000    | .....      | 563,448     | .....        | 217,251      | .....                    | 1,535,702          |
| <i>Salvelinus fontinalis</i> —Speckled trout.....    | 221,450    | .....      | 697,025     | 965,675      | 1,931,177    | 6,023                    | 3,821,350          |
| <i>Coregonus clupeaformis</i> —Whitefish.....        | 2,290,000  | .....      | 143,735,000 | .....        | .....        | .....                    | 146,025,000        |
| <i>Cristiomer namaycush</i> —Salmon trout.....       | .....      | .....      | 207,770     | .....        | 78           | .....                    | 207,848            |
| <i>Stizostedion vitreum</i> —Pickerel.....           | .....      | .....      | 17,765,000  | .....        | .....        | .....                    | 17,765,000         |
|                                                      | 2,290,000  | 32,840,031 | 237,610,293 | 7,311,675    | 15,225,142   | 6,641                    | 295,283,782        |

In addition to the distributions that were made from the hatcheries, thirty-five lakes and streams received allotments of fry or older fish from other bodies of water. This work was largely confined to the Prairie Provinces, where there are many districts that are not readily accessible to existing hatcheries. It involved the capture and transfer, in many instances, for a considerable distance, of thirty-five thousand nine hundred and sixty-one fish, comprising six different species.

The individual transfers were as follows:—

STATEMENT SHOWING THE TRANSFERS OF FISH FROM ONE BODY OF WATER TO ANOTHER DURING 1927

| Waters stocked                            | Transferred from                       | Stage              | Bass | Crappie | Crayfish | Dolly Varden trout | Kam-loops trout | Perch | Pickereel | Total |
|-------------------------------------------|----------------------------------------|--------------------|------|---------|----------|--------------------|-----------------|-------|-----------|-------|
| Long lake, Basswood, Man.....             | Echo lake.....                         | Yearlings.....     |      |         |          |                    |                 | 1,000 |           |       |
| Long lake, Basswood, Man.....             | Echo lake.....                         | Mature.....        |      |         |          |                    |                 | 35    |           | 1,035 |
| C.N.R. Reservoir, Sask.....               | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 500   |           | 500   |
| Clearwater lake (near Kyle), Sask..       | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 1,000 |           | 1,000 |
| Clearwater lake (near Kennedy), Sask..... | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 600   |           | 600   |
| Doctors lake, Sask.....                   | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 800   |           | 800   |
| Fife lake, Sask.....                      | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 1,000 |           | 1,000 |
| Freshwater lake, Sask.....                | Imperial Beach Longlake                |                    |      |         | 50       |                    |                 |       |           | 50    |
| Freshwater lake, Sask.....                | Imperial Beach Longlake                | Fingerlings.....   |      |         |          |                    |                 | 800   |           | 800   |
| Handsome lake, Sask.....                  | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 800   |           | 800   |
| Hill View Pond, Sask.....                 | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 600   |           | 600   |
| Horseshoe lake, Sask.....                 | Imperial Beach Longlake                | Fingerlings.....   |      |         |          |                    |                 | 800   |           | 800   |
| Little Goose lake, Sask.....              | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 1,000 |           | 1,000 |
| Lobstick lake, Sask.....                  | Round lake.....                        | Fingerlings.....   |      |         |          |                    |                 | 750   |           | 750   |
| Madge lake, Sask.....                     | North Dakota Game and Fish Commission. | Fingerlings.....   | 135  |         |          |                    |                 |       |           | 135   |
| Madge lake, Sask.....                     | North Dakota Game and Fish Commission. | Fingerlings.....   |      | 110     |          |                    |                 |       |           |       |
| Madge lake, Sask.....                     | North Dakota Game and Fish Commission. | Mature.....        |      | 4       |          |                    |                 |       |           |       |
| Madge lake, Sask.....                     | North Dakota Game and Fish Commission. | Two year olds..... |      | 12      |          |                    |                 |       |           | 126   |
| Martin lake, Sask.....                    | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 800   |           | 800   |
| McAvoy's lake, Sask.....                  | Wakaw lake.....                        | Fingerlings.....   |      |         |          |                    |                 | 250   |           | 250   |
| Meeting lake, Sask.....                   | Murray lake.....                       | Fry.....           |      |         |          |                    |                 |       | 2,500     | 2,500 |
| Moosejaw river, Sask.....                 | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 600   |           | 600   |
| Motherwell lake, Sask.....                | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 500   |           | 500   |
| Park or Hurd lake, Sask.....              | Round lake.....                        | Fry.....           |      |         |          |                    |                 | 600   |           |       |
| Park or Hurd lake, Sask.....              | Round lake.....                        | Fingerlings.....   |      |         |          |                    |                 | 500   |           | 1,100 |
| Riding lake, Sask.....                    | Echo lake.....                         | Mature.....        |      |         |          |                    |                 | 25    |           |       |
| Riding lake, Sask.....                    | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 1,000 |           | 1,025 |
| Rocky lake, Sask.....                     | Long lake.....                         | Mature.....        |      |         |          |                    |                 | 200   |           |       |
| Rocky lake, Sask.....                     | Long lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 150   |           | 350   |
| Sixteen mile lake, Sask.....              | Echo lake.....                         | Yearlings.....     |      |         |          |                    |                 | 1,000 |           | 1,000 |
| Sonderman lake, Sask.....                 | Echo lake.....                         | Fingerlings.....   |      |         |          |                    |                 | 750   |           | 750   |

|                               |                |              |     |     |    |     |        |        |       |        |
|-------------------------------|----------------|--------------|-----|-----|----|-----|--------|--------|-------|--------|
| Spring lake, Sask.            | Echo lake.     | Fingerlings. |     |     |    |     |        | 600    |       | 600    |
| Spruce lake, Sask.            | Perch lake.    | Mature.      |     |     |    |     |        | 225    |       |        |
| Spruce lake, Sask.            | Perch lake.    | Fingerlings. |     |     |    |     |        | 650    |       | 875    |
| Verna lake, Sask.             | Echo lake.     | Fingerlings. |     |     |    |     |        | 500    |       | 500    |
| York lake, Sask.              | Echo lake.     | Fingerlings. |     |     |    |     |        | 1,000  |       | 1,000  |
| Astotin lake, Alberta.        | Lac LaNonne.   | Mature.      |     |     |    |     |        | 30     |       | 30     |
| Astotin lake, Alberta.        | Lac LaNonne.   | Mature.      |     |     |    |     |        |        | 45    | 45     |
| Nakamun lake, Alberta.        | Lac LaNonne.   | Mature.      |     |     |    |     |        |        | 30    | 30     |
| Sandy lake, Alberta.          | Lac LaNonne.   | Mature.      |     |     |    |     |        | 64     |       | 64     |
| Beaver lake, B.C.             | Paul creek.    | Fry.         |     |     |    |     | 2,300  |        |       |        |
| Beaver lake, B.C.             | Paul creek.    | Yearlings.   |     |     |    |     | 1,500  |        |       | 3,800  |
| Frog Moor lakes, B.C.         | Paul creek.    | Fry.         |     |     |    |     | 2,000  |        |       | 2,000  |
| Harper lake, B.C. near Chase. | Paul creek.    | Fry.         |     |     |    |     | 2,000  |        |       | 2,000  |
| Loon lake, B.C.               | Paul creek.    | Fry.         |     |     |    |     | 6,000  |        |       | 6,000  |
| Tatlayoka lake, B.C.          | Homalko river. | 24" to 5"    |     |     |    | 146 |        |        |       | 146    |
|                               |                |              | 135 | 126 | 50 | 146 | 13,800 | 19,129 | 2,575 | 35,961 |

The planting of eyed eggs in selected natural spawning grounds was continued. This practice is resorted to principally in British Columbia for the purpose of seeding remote and isolated areas to which it is not feasible to transfer fry from existing hatcheries. Limited numbers were similarly disposed of in several instances where hatcheries were carrying eggs in excess of their fry capacity. Nearly thirty-three million eyed eggs were planted.

This number included nearly nine and three quarter million sockeye eggs which were collected at the Pemberton hatchery on the Lower Fraser and in Babine lake on the Skeena and planted in the at-one-time spawning beds of such important areas as Stuart, Francois, and Quesnel lakes in the Upper Fraser above Hell's Gate. The whitefish hatching battery and fry tanks on the C.G.S. *Bradbury* were again utilized and a considerable number of whitefish fry from the Gull Harbour hatchery, located south of the Narrows on lake Winnipeg, were distributed, as they hatched, much farther north and over a far more extensive area than would have been otherwise feasible.

Special efforts were made for a widespread distribution of the whitefish fry from the Winnipegosis hatchery and plants were made at greater and greater distances from the hatchery as the breaking up of the ice and open water permitted. Two trips were made with the gas boat to the east and west side of Birch island, one trip each to Waterhen river and Waterhen lake, fifty-five, twenty-four and thirty-eight miles distant respectively from the hatchery. Eight million fry were distributed in the extreme northerly end of the lake in the vicinity of Whiskey Jack, Cormorant and Pemmican islands and Skunk bay. The Armstrong Independent Fisheries, Limited, of Winnipegosis, generously loaned its tug *Armenon* for the last mentioned distribution, the department paying the wages and running expenses.

While the distributing scows that are in general use have facilitated the distribution over extensive areas from hatcheries located on lakes or rivers of considerable size, they are not adapted for ready transfer except by water, consequently, hatcheries that make their distributions by truck have been supplied as required with suitable fry pails, floating crates carried in nests of three, and folding or collapsible boats which are readily carried with the fry on the truck or wagon, thus assuring the availability of the necessary facilities when the distributing grounds are reached.

An experiment which had as its objective the stocking of small, barren, inaccessible waters, as regards fry distribution and in which conditions are not suitable for planting eggs was made by the Superintendent of the Kennedy Lake hatchery, British Columbia. Such lakes usually contain an abundance of fry food and make excellent nurseries. Ten thousand sockeye eggs were placed in a set of seven nested trays and submerged to a depth of thirteen feet in a pool in the Clayoquot river. While this method is being further tested, the experiment in question was quite successful as the eggs hatched and the fry were carried in the trays to the free-swimming stage and were liberated in excellent condition with very small loss.

The hatchery staffs are yearly becoming more familiar with the waters within their respective distribution areas. A considerable number of lakes and streams were examined and reported on by the inspectors of fisheries and fishery overseers, particularly in the Prairie Provinces. Copies of all reports of this nature are supplied, in duplicate, to the Chairman of the Research Committee of the Biological Board for the committee's workers in the respective districts. Inspections and investigations of a special nature in addition to their regular programme of research are made by the committee, as requested by the department. Prospecting camps were operated at several points for the purposes of determining the possibilities for collecting eggs for fish cultural purposes.

The inspections, referred to in the 1926 report, in anticipation of a possible expansion of the service were continued and sites for new hatcheries were secured at several points.

Expansion of this nature that has been undertaken is referred to in detail toward the end of this report.

An inspection of a somewhat special nature, with a view to limited restocking with eyed eggs was made in 1925 of Chilco lake and its tributaries by the District Inspector of Hatcheries for British Columbia. On account of the absence of suitable means of transportation on the lake and the isolated nature of the district, knockdown boats were sent in from Vancouver via Williams lake, and Redstone, to the north end of Chilco lake where they were assembled. The inspector's report is in part as follows:—

I left Vancouver on July 21 and reached Chilco Lake on the 28th day of the same month. Commenced construction of the boats on the 29th and completed their assembly, including painting and caulking, on August 3. The next day preparations were made for continuing the journey and the two boats placed in the water to allow the lumber from which they were constructed to swell on the caulking.

On August 5 I broke camp and proceeded along the lake, following the west shore. The first named tributary stream examined was Deer creek, which enters Chilco lake about eight miles from the north end. It is a small clear water creek about ten feet in width, contains small patches of gravel, but the volume of water circulating therein was so small that it would indicate that during winter, when subjected to extreme cold weather, the whole creek would be ice bound. Also its channel was almost completely filled by brush and fallen timber. Conditions in this creek were such that I most certainly would not recommend it for egg planting.

In connection with this examination I may state that Chilco lake has the reputation of being one of the most stormy and treacherous bodies of water in this province and, from indications of erosion on its rocky shore line, I would judge that that repute is correct. Very few white men have had reason to visit this lake and those were Government Geological and Geographical parties. I am informed that owing to wind storms men have been forced to stay in one place for as long as eighteen days before it was safe to venture the continuation of their journey. The two boats constructed proved to be exceptionally good seaworthy craft, but the first day out we had to take shelter and make an early camp and during the remainder of the examination of this body of water, by breaking camp and travelling very early each day, we succeeded in dodging these adverse conditions. The first night we camped on the shore of a small lake situated about five miles south of Deer creek. This small body of water is about twenty-five acres in extent and evidently owes its existence to a bar of land thrown up by the actions of the main lake. It was entered through a narrow entrance in a sheltered bay. I may say that this is one of four such small lakes lying on the shore line of Chilco lake. . . .

The following day we reached Franklin arm and camped about three miles from the entrance of same. This arm lies in a southwesterly direction from the main lake and is about one mile in width and approximately eight miles in length and at the head is supposed to be about sixty-five miles from the head of Bute inlet. On the way, two streams were examined. The first, an unnamed creek which I named Harvey creek, enters the lake about seven miles south of Deer creek and is about the same size and has practically the same characteristics as that stream.

The next stream visited was Gold creek, which enters Chilco lake on the west shore about eighteen miles south of the outlet of that lake. It is apparently a turbulent, glacial stream of much larger size than those previously described and on reaching the lake flats breaks into many outlets, all of which contain large boulders set in a cement-like glacial silt.

Camp was made at noon and after lunch we proceeded to the head of Franklin arm and there examined Ducharme and Nine Mile creeks. The first named has an average width of about forty feet and its general characteristics are much the same as those found in Gold creek, although it was noted that in two places it flows more slowly through beaver meadows where the creek bed is mostly fine sand and mud. . . .

The outlet of Nine Mile creek is at the head of the arm just north of Ducharme creek and its general conditions are identical to those of that stream. It comes from a narrow mountainous valley lying almost north and south, whereas Ducharme creek flows from the west. Neither of these streams are suitable for salmon egg planting owing to the very large deposits of glacial silt mixed with the gravel and boulders in their channels.

On August 7 I proceeded to the head or south end of Chilco lake and on the way examined one unnamed stream which enters that lake on the west shore at a point about five miles from the extreme head of the lake. It is about fifty feet in width and flows from a group of large glaciers, all lying within three miles from the lake shore, the lower part of some of them being only about three hundred feet from the lake level.

At the head of Chilco lake I examined Zeal river and another unnamed stream tributary to it. Zeal river is the largest stream entering Chilco lake. It is about one hundred and fifty feet in width, fast flowing, gradient about four per cent and same as most of the other streams previously examined, is glacier fed; its bed contains heavy deposits of glacial silt which makes it unfit for salmon egg planting.

I also examined the other stream which I named Hill creek. It enters Zeal river on the west side about one-quarter of a mile from the lake and owing to similar conditions noted in Zeal river is unsuited for the purpose of salmon egg development.

I left the head of the lake early in the morning of August 8 and continued my inspection, following the east shore line. About six miles down from the south end I came to Canim creek, a large creek with the same characteristics as seen at Gold creek, described earlier in this report. I found this stream also unsuitable for the purpose required and proceeded north to Nemiah, or as termed by the Indians and white trappers, O'Miah river.

The O'Miah is a large valley lying between high mountains, and ranges in width from two to four miles. The river draws its waters from glaciers, but owing to the extensive valley flats, it flows less rapidly than other streams in this district. The valley flats have through ages been formed by silt deposits from the mountains and the channel of the O'Miah river is composed of this substance with here and there small patches of gravel of insufficient area to be of value for the reception of an appreciable quantity of salmon eggs to justify the cost and difficulty of operations. A very old Indian questioned by me informed me that he does not remember sockeye frequenting this river in the past.

Early on the morning of the 10th I continued my journey north and examined Tsuniah falls and creek. This stream enters Chilco lake at a point about seven miles south of the outlet on the east shore and drains a lake of the same name situated about three miles east of Chilco lake. The falls are about forty feet in height and almost perpendicular and are approximately twenty-five yards from the lake shore line. The rest of this creek to the lake consists of a series of small falls, therefore, it will be understood that there is no space for egg planting at this point.

In my opinion, the sockeye spawning area in this district is situated between the outlet of the main lake, generally called the narrows, and another lake termed the second lake, lying about two and a half miles below Chilco lake. This lake is approximately two miles in length and from a quarter to half a mile in width and is probably the nursery for the young sockeye after they leave the gravel in the stretch of river between the two lakes.

The largest area of suitable spawning ground, in my opinion, is on the west shore line just below the narrows. This is about one-half mile in length and ranges in width from three feet to twenty feet. Also there are small patches of suitable gravel behind the islands on the other side of the river, and other small gravel patches were noted in many places in the bed of the Chilco river lying between heavy boulders which the salmon most probably frequent for reproduction purposes.

I may state that owing to its size and depth it would be impossible to plant any appreciable quantity of sockeye eggs in the Chilco river. Whereas, the salmon can spawn on the shelving shore line and also in other places in that river, operatives would be able to handle the equipment used for the purpose of laying down salmon eggs only at great danger to themselves.

Experiments in feeding fry and older fish with different kinds of food in different proportions were continued at several hatcheries but nothing has so far been found which gives such general satisfaction as beef liver. The desirability of experiments to demonstrate the relative value of various fish foods for both adults and fry has also been drawn to the attention of the Research Committee of the Biological Board.

Experiments to determine the economic quantity of food for speckled trout with regard to egg production, and the most efficacious proportion of males to females as regards the economic production of eggs, as any males in excess of actual requirements, especially those of four years and over, are a useless addition and tend to increase the overhead expenses, were begun at the Saint John hatchery by Inspector of Hatcheries for the Eastern Division. With the increased price of our heretofore staple food, viz., beef liver, and our larger production of fingerlings, the question of an efficient but cheaper substitute is of some importance, as a larger proportion of the hatchery output is each year being fed and raised beyond the fry stage.

Early in the spring of 1927, three hundred speckled trout females, four years old and of an even size, were placed in three ponds at the Saint John hatchery, one hundred in each pond.

The ponds were thirty-five feet long by four and one-half feet deep and were supplied with an equal quantity of water from the same source.

Three pounds of liver per week were fed to the fish in No. 1 pond, six pounds per week to those in No. 2, and twelve pounds per week to those in No. 3. The loss during the summer and fall was as follows: Pond No. 1—forty-nine; Pond No. 2—twenty-eight; Pond No. 3—forty-six.

The production of eggs was respectively: Pond No. 1—sixty-eight thousand seven hundred and sixty-eight; Pond No. 2—one hundred and seventeen thousand, two hundred and sixty-eight; Pond No. 3—one hundred and six thousand nine hundred and twenty-six.

The losses in eggs up to December 31 are as follows: Pond No. 1—two thousand six hundred and fifty-one; Pond No. 2—eleven thousand one hundred and three; Pond No. 3—fourteen thousand six hundred and sixty-nine.

All eggs were fertilized by four-year-old males drawn from a common stock which had not been segregated.

This experiment is not concluded and is being repeated next season. At the present time (December 31, 1927) it would appear that six pounds of liver per week was a more economic quantity of food under the conditions above outlined than three or twelve pounds, although the percentage of fertile eggs was considerably lower in this group than in the group that was fed three pounds. It may also be that the heavier loss in Ponds Nos. 1 and 3 was influenced by under-nourishment and overfeeding respectively.

Up to this date, the second experiment, briefly outlined below, indicates that five females to one male is a more economic proportion, considering the cost of food and care, than equal numbers of both sexes or ten females to one male.

#### SPECKLED TROUT (four years old)

| Date of stripping | Females used | Males used | Number of eggs obtained | Loss with all infertile eggs picked out. |
|-------------------|--------------|------------|-------------------------|------------------------------------------|
| Oct. 30.....      | 5            | 5          | 6,600                   | 402                                      |
| " 30.....         | 5            | 1          | 6,600                   | 943                                      |
| " 30.....         | 10           | 1          | 16,200                  | 3,499                                    |

#### SPECKLED TROUT (three years old)

|              |    |   |        |       |
|--------------|----|---|--------|-------|
| Nov. 18..... | 5  | 5 | 7,512  | 1,462 |
| " 18.....    | 5  | 1 | 7,512  | 659   |
| " 18.....    | 10 | 1 | 12,534 | 1,952 |

The following experiments were also made in connection with natural spawning:—

#### *Banff Hatchery—Superintendent, J. E. Martin*

Two separate lots of naturally spawned cutthroat eggs were gathered the same day as they were spawned. The method of obtaining the eggs was by means of a short length of half-inch pipe. By placing the ball of the thumb over the upper opening and directing the lower end near the eggs, a vacuum drew the eggs into the pipe when the thumb was removed. The upper opening was again covered immediately the pipe was filled and this held the contents long enough to lift them into a bucket partially filled with water. It seems to be as gentle a way as any of recovering eggs from the spawning grounds. In the first lot, there were eight hundred and sixty-three eggs and, in the second lot, there were one hundred and sixty-eight, and both were from a single pair of trout. From the first lot, only twelve fry hatched and eight were raised. From the second lot, eight fry were hatched and seven were raised.

#### *Banff Hatchery—Assistant, Burton Fox*

Forty-five naturally spawned cutthroat eggs from the large pond were gathered and placed in one of the baskets in the hatchery. Only three of the forty-five eggs hatched.

#### *Rivers Inlet Hatchery—Superintendent, Weldon Reid*

At all egg-collecting points where conditions permit, it is the practice to allow the early sockeye that are not likely to properly ripen on account of long retention to pass through the traps and fences and ascend to the natural spawning grounds. Later arrivals are stripped and released above the fences. It appeared from general observations that

these fish spawned naturally such eggs as were not taken from them by the spawntakers. For the purpose of gaining further and more definite information on this point, the following experiments were made:—

(a) 1922. (1) Twenty-five sockeye, some partially and others well spawned, were placed in screened ponds; cut open after they died one contained twenty-five eggs and the others from one to ten.

(2) Eighteen female sockeye which died after they had spawned naturally and drifted up on the beach were all found to contain some eggs. Over one hundred eggs were found in each of two of these specimens.

(b) 1923. (1) Three sockeye spawned on November 7, placed in enclosure and cut open on November 17. No eggs whatever found in them.

(2) Three partially spawned on November 7, retained and cut open on November 17. Two contained no eggs and the third only three.

(3) Three sockeye partially spawned on November 7, retained and cut open on November 17. Three eggs were found in one, one in another and none in the third.

(c) 1924. (1) Three female sockeye were spawned and then placed in an enclosure, and when they died and were opened no eggs were found in them.

(2) Three sockeye partially spawned were handled as above and when they died two of them contained no eggs and the third only three.

(3) Three sockeye partially spawned and placed in an enclosure and when practically dead were cut open. No eggs were found in one, three in another and one in the third.

(d) 1925. (1) Three sockeye were spawned and placed in separate enclosures, surrounded by wire and with a gravel bottom suitable for spawning, on October 30. After these fish died, they were opened and the following numbers of eggs were found, namely, one hundred and forty-nine, thirty-four, and eighty-nine. Two sockeye partially spawned and handled in the same way when cut open contained only two eggs, and the other ten.

When the gravel under the pens was dug up in the spring, several hundred well-eyed eggs and newly hatched fry in splendid condition were found.

The above experiments, in so far as they go, indicate that the practice of passing the stripped sockeye over the fences results in a very small loss in eggs through incomplete stripping, assures eggs of good quality for the hatcheries and is an easy way of disposing of the fish. While retention of parent fish for long periods causes their death and usually produces eggs of inferior quality, heavy losses sometimes take place before they spawn amongst sockeye that have not been subjected to, or impeded in their movements by, artificially created conditions. In view of the conditions found in the Karluk by Messrs. Charles H. Gilbert and Willis H. Rich in 1926, it may happen that losses that take place in sockeye retained below fences and traps, may in some instances, have been improperly charged to such retention and as a loss against the hatchery operations to which such retention is incidental. Report in part (Bureau of Fisheries Document 1021) follows:—

Perhaps associated with the dry season, there was a noticeably heavy mortality among the unspawned fish in 1926. This was observed throughout the season and in all the spawning streams. On July 18, in Spring creek, "it was very noticeable that many of the females were not completely spawned out; six of twelve examined had eggs apparently still in good condition. Most of these were apparently not spawned at all, although ripe." On the same date, in upper Thumb river, "we saw many dead females, ripe but unspawned, and many others that were not completely spawned out. Causes of death quite unknown, as most of them appeared to be in fine condition." On August 16 at the foot of O'Malley lake, there were "about a thousand dead (salmon) along shore and . . . all the dead females had apparently died without spawning and before the eggs had ripened; roe still solid." These, of course, were the late run mentioned above. Similar observations were made frequently during the summer, and the general impression given was that about 25 per cent of the females that reached the lake died only partially spawned out.

At points where it is not feasible to pass the fish over the fences and they are likely to be caught over and over again if they are liberated, the practice is to strip them in the usual way, kill, bleed, and split them and take the remaining eggs. While such eggs are not up to the general average in quality, the percentage that hatch are well worth the trouble and cost that their production involves.



Another female salmon with two males were spawned in the usual way, great care was taken to avoid broken eggs, but when washing two egg shells were found, these eggs were retained until well eyed, result, two thousand one hundred and ninety-eight eyed eggs, one hundred and twenty-nine blank eggs.

*Anderson Lake Hatchery—Superintendent D. Bothwell*

Nest No. 1—720 eggs planted, fry counted 683, bad eggs 33, shortage 4.

Nest No. 2—720 eggs planted, fry counted 690, bad eggs 29, shortage 1.

The eggs were planted in each nest at the same time and the water turned on both nests simultaneously, with the above results.

*Cowichan Lake Hatchery—Superintendent J. H. Castley*

No. 1 planting next to inlet of water in trough yielded four hundred and fifty-six fish; percentage of hatch was 91.2.

No. 2 planting yielded four hundred and eleven fish; percentage of hatch was 82.2.

## Rivers Inlet Hatchery—Superintendent F. A. Tingley

The first planting of six hundred eggs, spawned at Quap, was laid down on October 27 about one and one-half hours after spawning. The hatch from this planting was approximately 75 per cent, four hundred and forty-nine fry having hatched, of which only five died.

The second planting of eight hundred eggs spawned at Genesi was made on the following day under conditions identical with the first except that the time elapsed between spawning and planting was four hours. Ninety-eight fry, of which two died, hatched from this lot: a hatch of 124 per cent.

Eight lots of seven hundred eggs each were laid down under the following conditions with resultant losses as shown below:—

| Lot No.                                                    | Loss per cent |
|------------------------------------------------------------|---------------|
| 1. Eggs fertilized with milt 1 minute in water.....        | 2.0           |
| 2. " " 2 " " .....                                         | 25.3          |
| 3. " " 3 " " .....                                         | 90.3          |
| 4. " " 4 " " .....                                         | 25.7          |
| 5. Eggs 1 minute in water before introduction of milt..... | 7.4           |
| 6. " 2 " " " .....                                         | 21.3          |
| 7. " 3 " " " .....                                         | 66.5          |
| 8. " 4 " " " .....                                         | 93.4          |

The inconsistency of results shown for lots Nos. 3 and 4 may possibly be explained as follows:—

Lots Nos. 1, 2 and 3 were taken from one fish in the order given. The three lots consumed the total yield of the fish, and the seven hundred eggs kept for experiment were measured from the three lots after treatment as shown above. Consequently, it was necessary to select another fish for lot No. 4, and this lot was composed of the first eggs spawned



to extend its fish cultural service to districts that are not adequately covered by existing hatcheries, and is in receipt of gratifying reports from all districts that are systematically stocked. That our angling resources as well as our commercial fisheries are well worth conserving is evidenced by the increased rentals that were brought by the stretches of the Restigouche river, sold at Fredericton, N.B., by auction on April 7, 1927. Seventeen stretches in separate lots that were previously under lease were disposed of. These stretches when auctioned in 1922 brought annual rentals aggregating sixteen thousand eight hundred and fifteen dollars but the same waters in 1927 brought seventy-five thousand five hundred dollars.

In response to these petitions and public demands above referred to, the service is being extended as rapidly as available funds and other conditions permit.

The fish cultural service participated in an exhibit portraying the natural resources of Canada that was held in the Victoria Memorial Museum at Ottawa from March 23 to 27, inclusive, 1927. This department's exhibit was of a fish cultural nature and consisted very largely of hatchery products from the St. John hatchery and hatchery equipment in operation. It included whitefish, cisco, speckled, brown, Loch Leven and salmon trout, sebago and Atlantic salmon eggs, and sebago salmon, Loch Leven, rainbow, speckled, salmon and brown trout in various stages of growth. In a small area were shown eggs in different degrees of development, fry hatching and emerging from the eggs; and fish of various ages from newly hatched fry up to trout five and six year's old. The standard equipment in the "battery and jar" and the "trough and tray" methods of hatching were shown in operation. The whitefish, salmon trout and cisco eggs were supplied by the Department of Game and Fisheries for Ontario. Speckled trout and Atlantic salmon fingerlings from the Middleton hatchery were displayed and created much interest at the convention of Nova Scotia Guides Association which was held at Low's Landing, Lake Rossignol, from August 11 to 13, inclusive. Speckled, Loch Leven, brown and rainbow trout of different ages and sebago salmon fingerlings from the Saint John hatchery were supplied the province of New Brunswick for its exhibit made at the Sportsmen's Show, Boston, January 29 to February 5, 1927. Speckled and rainbow trout were exhibited in the aquarium at the Banff Springs Hotel, and speckled, salmon, cutthroat, and rainbow trout and ouananiche (all from the Banff hatchery) were loaned as an added attraction to the Forestry Exhibit at the Calgary Stampede; and assortments of indigenous and introduced fish were supplied for exhibits made at their Agricultural Fairs by the Exhibition Associations of Cranbrook and Nelson, British Columbia.

The officials and employees of other departments, provincial officers, the officers and crews of fishery patrol and protection boats have been most cordial in their co-operation in all instances where they could be of assistance. The Research Committee of the Biological Board gave prompt and courteous consideration to all problems and difficulties that were referred to them. This co-operation and assistance is gratefully acknowledged.

Various exchanges of eggs were made with the Bureau of Fisheries, Washington, D.C., and with the state of New Hampshire, particulars of which are given elsewhere in this report.

#### STAFF

The department is fortunate in having in its present staff of fish cultural officers a body of painstaking and efficient men who are unsparing of personal effort in the discharge of their duties.

Several well-deserved promotions and some new appointments were made during the year, and Mr. Allan McDougall, of the Restigouche and Nipisiguit hatcheries, voluntarily retired on superannuation on December 31, 1927.

## COLLECTION OF EGGS

## ATLANTIC SALMON

Atlantic salmon eggs were collected at the same points as in recent years, namely, the regular retaining ponds at Margaree, St. John, Miramichi, and New Mills, and to a limited extent, late in the season in the Nipisiguit and Matapedia rivers, New Brunswick, and in the Morell river and Gillans stream, Prince Edward Island. Conditions during the early part of the season were generally favourable, but heavy freshets were encountered in the early autumn which did considerable damage to the nets and interfered to a great extent with seining operations. The total collection of eggs was slightly under thirty million.

A heavy freshet washed out and considerably damaged the net that is operated for hatchery purposes in the Margaree river, so that the catch of parent fish was considerably smaller than that of recent years, consisting of a total of only three hundred and ninety-one, which were taken between September 21 and October 19. These fish were retained with a loss of only one, until they were stripped and liberated. The total yield was two million six hundred and forty-thousand eggs, all of which were laid down in the hatchery at North East Margaree.

The largest and heaviest salmon recorded from the Margaree river was landed by P. H. McKenzie on August 31. This fish was fifty-two and one-half pounds in weight, forty-seven inches long and thirty inches in girth. It was taken on a "Black Dose" fly in "Old Bridge Pool", Big Intervale. Other large fish, weighing thirty-nine and thirty-four pounds, respectively, were taken during the season. Fly fishing is reported to have been particularly good towards the end of August.

A good run of salmon occurred in the Saint John harbour, and one thousand three hundred and thirty were purchased from the commercial nets between June 7 and June 28 inclusive. Conditions in the pond were also favourable during the summer as the river remained fairly high with a good supply of fresh water flowing through it. Stripping operations were carried on from October 26 to November 7 inclusive, a total of six million five hundred and twenty-five thousand eggs being secured, which were laid down in the Saint John and Grand Falls hatcheries.

Salmon were plentiful in the Miramichi, and three thousand four hundred and forty-seven were taken in two nets between September 8 and October 19 inclusive. The total yield of eggs exceeded eighteen million. The productivity of this river is indicated by the large yield of eggs, which comprised over three-fifths of the total collection of Atlantic salmon eggs in the Maritime Provinces.

The purchase of salmon for the New Mills pond was again confined to the commercial fishing stands in the immediate neighbourhood of the pond on the New Brunswick shore. The general run and catch at this point was not as large as it has been in recent years. A total of three hundred and seventy-six fish were obtained, which yielded one million six hundred and eighty-six thousand eggs, which were laid down in the hatchery at Flatlands on the Restigouche river.

The lessees and owners of the fishing rights on the Matapedia river very generously consented to the taking of one hundred female salmon for hatchery purposes in that stream. High water conditions, however, rendered it difficult and at times practically impossible to seine the fish so that only fifty females were taken. These yielded five hundred and sixty thousand eggs, which were also laid down in the Restigouche hatchery.

Fishing conditions on the Restigouche river, owing to low water, were not up to the splendid average of recent years during the early part of the season, but large numbers of salmon were present in the river in late August and September.

Operations were again continued in the Nipisiguit river, but the fish were not to be found on the usual grounds, and high water greatly hampered the work. The catch consisted almost entirely of male fish, and a total collection of only twenty-six thousand eggs was made. These were also laid down at Restigouche.

Most unfavourable conditions were experienced in the Morell. Heavy freshets prevailed, which washed out the traps on various occasions, at one time causing the loss of over two hundred salmon. One hundred and eighty-eight fish were secured in the Morell proper and five on Gillans stream, one of its tributaries. The total collection at this point was three hundred and forty-three thousand four hundred eggs, which were laid down in the Kelly's Pond hatchery.

From the 1926 collection, exchanges of eyed Atlantic salmon eggs were made with the United States Bureau of Fisheries, the state of New Hampshire and state of Maine for loch leven, brown, rainbow and cutthroat trout eggs. Exchanges of salmon eggs collected in 1927 have likewise been arranged.

The collection of landlocked or sebago salmon eggs was continued in a more or less experimental way in Chamcook lakes, New Brunswick, to determine so far as is feasible, the number of eggs that may be expected from this source in an average season before putting in a permanent camp and equipment. The heavy freshets that prevailed at that time in the Maritime Provinces generally greatly interfered with operations, but a collection of nearly two hundred and fifty thousand eggs was made.

The following statement gives the number of Atlantic salmon eggs collected and their disposal up to December 31, 1927:—

| Collection point      | Number collected | Distribution of eggs             |
|-----------------------|------------------|----------------------------------|
| Margaree pond.....    | 2,640,000        | Margaree hatchery..... 2,640,000 |
| Miramichi pond.....   | 18,128,899       | Bedford "..... 3,591,000         |
|                       |                  | Middleton "..... 2,455,000       |
|                       |                  | Windsor "..... 5,000             |
|                       |                  | Miramichi "..... 11,677,899      |
|                       |                  | Restigouche "..... 400,000       |
| New Mills pond.....   | 1,686,000        | Restigouche "..... 1,686,000     |
| Nipisiguit river..... | 26,000           | Restigouche "..... 26,000        |
| Matapedia river.....  | 560,000          | Restigouche "..... 560,000       |
| St. John pond.....    | 6,525,000        | Grand Falls "..... 4,690,000     |
|                       |                  | St. John "..... 1,835,000        |
| Morell river.....     | 328,200          | Kelly's Pond "..... 328,200      |
| Gillans stream.....   | 15,200           | Kelly's Pond "..... 15,200       |
|                       | 29,909,299       | 29,909,299                       |

### SPECKLED TROUT

The demand for speckled trout, which is largely a development of recent years, was present on a larger scale for the numerous waters of the Maritime Provinces.

Operations that were conducted at various times and in different places with a view to locating places where speckled trout congregate in numbers for spawning purposes, have not proven successful, and the department has been obliged to resort to the commercial fish farms. Rearing and brood ponds are

being erected at hatcheries where conditions are favourable to meet the demand for speckled trout eggs. In addition to the eggs secured by purchase and exchange, small collections were made at several points. A small collection was made from the ponds at the Margaree hatchery, but the operations at Petpeswick and Williams lakes, under the direction of the Bedford hatchery, were practically a failure. The best, and practically the only returns from wild fish were obtained in Prince Edward Island, but water conditions were most unfavourable. High water and freshets during November washed out the traps and retaining enclosures on several occasions. In this province the parent fish are captured and retained by the owners and proprietors of streams until they are stripped and liberated. They are paid for on the basis of all fish of spawning size that are placed at the disposal of the hatchery officers in a healthy, vigorous condition.

An increased yield of average quality was obtained from the brood stock in the ponds at the St. John hatchery. The majority, however, of the fish were only eighteen months old, and consequently the eggs are not of as high a vitality as could be desired.

Satisfactory returns are apparent from the introduction of speckled trout in selected waters in southern British Columbia, and Vancouver island. In some of these waters the fish introduced a few years ago have attained unusual size and the collection of eggs in those districts was over five hundred thousand.

The local collections were supplemented by purchase and exchange. The following statement gives the number of speckled trout eggs collected in 1927:—

| Hatchery           | Number collected | Collection area  |
|--------------------|------------------|------------------|
| Bedford.....       | 1,500            | Williams lake.   |
|                    | 4,000            | Petpeswick lake. |
| Margaree.....      | 123,190          | Hatchery ponds.  |
| St. John.....      | 2,333,518        | Hatchery ponds.  |
| Kelly's pond.....  | 4,500            | Coles pond.      |
|                    | 78,115           | Hatchery ponds.  |
|                    | 20,100           | Gillans stream.  |
|                    | 34,500           | Ings pond.       |
| Cowichan lake..... | 42,000           | Spectacle lake.  |
|                    | 25,500           | Hatchery ponds.  |
| Nelson.....        | 230,000          | Boundary lake.   |
|                    | 290,000          | Violin lake.     |
|                    | 3,186,923        |                  |

In addition to these local collections one million five hundred and one thousand (1,501,000) speckled trout eyed eggs were purchased from Cape Cod Trout Co., Wareham, Mass., U.S.A. These eggs were distributed (1927) as follows:—

|                            |         |
|----------------------------|---------|
| Bedford hatchery.....      | 567,000 |
| Middleton hatchery.....    | 328,000 |
| Miramichi hatchery.....    | 83,000  |
| Restigouche hatchery.....  | 50,000  |
| St. John hatchery.....     | 380,000 |
| Kelly's Pond hatchery..... | 93,000  |

1,501,000

#### WHITEFISH

The collection of whitefish was confined to the Gull Harbour hatchery, lake Winnipeg, and Snake Island hatchery, lake Winnipegosis, Man. Test fishing on a limited scale with a view to ascertaining the number of eggs that might be expected under normal conditions was carried on at Jackfish Lake, Sask., and Lesser Slave Lake, Alta.

At Dauphin river, lake Winnipeg, fishing was carried on from September 21 to October 31, inclusive. During this period the tunnel and wings of the pound-net were raised so as to permit the free ascent of fish from Saturday sundown to Sunday at sundown each week. In addition over fifteen thousand surplus males and fish of both sexes that were caught during September were released above the net where they could, if they were so inclined, have unimpeded access to the upper waters of the Dauphin river and lake St. Martin. Weather conditions were favourable until about October 15, when the temperature went down to forty degrees Fahrenheit. The fish were developing satisfactorily at this time when the temperature went up to forty-seven. This sudden rise affected the fish so that they afterwards ripened very slowly, even with a falling temperature, and when operations were brought to a close by weather conditions, which threatened the freezing in of the C.G.S. *Bradbury* and equipment, only five thousand eight hundred fish, out of a total of forty-one thousand three hundred and fifty-one that were impounded, had been stripped. As it was necessary to pull out the nets and retainers, over thirty-five thousand five hundred fish were liberated without yielding any eggs.

Three pound-nets were operated at the mouth of the Waterhen river, lake Winnipegosis, by the staff of that hatchery. The catch of fish was quite satisfactory, but weather conditions were similar to those encountered in Lake Winnipeg, so that the collection was somewhat smaller than that of last year. An unusually large number of small whitefish were observed in and around the pound-nets, the older employees being of the opinion that there were many more than they had observed on any previous occasion.

Egg collecting operations were not carried on in the Fort Qu'Appelle district, but the staff was employed in test fishing for whitefish in Jackfish lake, Sask., and for salmon trout in Cold lake, Alta., with a view to determining the number of eggs that might be expected under normal conditions in these waters. The Superintendent of the Banff hatchery was associated with the Cold lake operations, which yielded ten thousand eggs.

The following table gives the number of eggs collected in each area and their disposal in 1927:—

| Collection area        | Number collected | Disposal                                    |
|------------------------|------------------|---------------------------------------------|
| Lake Winnipegosis—     |                  |                                             |
| Waterhen river.....    | 94,200,000       | Winnipegosis hatchery.                      |
| Lake Winnipeg—         |                  |                                             |
| Dauphin river.....     | 72,500,000       | Gull Harbour hatchery.                      |
| Jackfish-Murray lakes— |                  |                                             |
| Connecting creek.....  | 3,150,000        | Fort Qu'Appelle hatchery.                   |
| Lesser Slave lake..... | 2,290,000        | Lesser Slave lake (planted in green stage). |
|                        | 172,140,000      |                                             |

#### PICKEREL

As the hatcheries previously operated in Ontario by this department were transferred to the province after the distribution of 1926, the propagation of pickerel was carried on during 1927 at lake Winnipeg, Man., and the Fishing lakes, Sask. Observations were made with a view to determining the number of eggs that might be available under normal conditions at Valley, Ochre and Turtle rivers, lake Dauphin, and test fishing for the same purpose was carried on at Fletts creek from the Winnipegosis hatchery, and at Jackfish lake, Sask., from the Fort Qu'Appelle hatchery.

The eggs for the Gull Harbour hatchery, lake Winnipeg, were collected near the Quarry, Big island, and a small staff unsuccessfully prospected Manigotagan river.

Operations at lake Dauphin from the Winnipegosis hatchery were unsuccessful, but a satisfactory collection was made by the staff of the Fort Qu'Appelle hatchery on the Sioux river near that establishment. The test fishing at Jackfish was also encouraging.

Up to the present, the experimental planting of brown and loch leven trout in the Cypress Hills district of southwestern Saskatchewan has been made from the hatchery at Banff, Alta. The Fort Qu'Appelle hatchery has, however, been equipped with troughs, and any trout distributions in the southerly part of the province will, in future, be made from Fort Qu'Appelle.

The following summary gives the number of pickerel eggs collected and the disposal made of them in 1927:—

| Collection area                       | Number collected | Disposal                  |
|---------------------------------------|------------------|---------------------------|
| Lake Winnipeg—                        |                  |                           |
| At the Quarry, Manigotagan river..... | 20,570,000       | Gull Harbour hatchery.    |
| Sioux Lake—                           |                  |                           |
| Arnolds point, Sioux river.....       | 9,945,000        | Fort Qu'Appelle hatchery. |
|                                       | 30,515,000       |                           |

## PACIFIC SALMON

### FRASER RIVER WATERSHED

The numbers of sockeye that were observed in the different areas of the upper Fraser above Hell's Gate in 1927 were not as a whole as large as were observed in the previous year, but compared favourably with the numbers seen in 1923, the corresponding year of the four-year cycle that obtains in this river.

An analysis of the cannery operations on the Fraser since 1923, however, shows a material increase in the production of sockeye. The pack of this species in 1923 amounted to twenty-nine thousand four hundred and twenty-three cases; the average pack for the four years from 1924 to 1927 inclusive was fifty-two thousand and ninety-four cases, and the pack for 1927 was fifty-seven thousand and fifty-six cases. This increase is generally attributed to lower Fraser spawning areas, where the run has been maintained or increased in all portions that have been systematically stocked.

A heavy run of sockeye occurred to the Pitt river, and all the spawning grounds thereof were well seeded, and in addition the usual collection of upwards of five million eggs was obtained for the hatchery—648,000 of which were from split fish after having been stripped in the usual way. Heavy freshets caused considerable damage, tearing out the hatchery fences and pens and liberating quite a number of fish. A medium run of cohoes and springs and a light run of pinks and chums occurred in this area.

A large run of sockeye, much larger than that of 1923, and many times larger than that of 1926, occurred at Cultus lake, where the Research Committee of the Biological Board is conducting experiments and investigations into the life-history of that species. In 1926 all the sockeye that entered the outlet of the lake were stripped, the eggs hatched, and the resultant fry distributed. According to the program of the Research Committee all the sockeye eggs available from the Cultus lake run of 1927 were to be collected, placed in the hatchery, and when well eyed, planted on the natural spawning grounds.

The inflowing tributaries of Cultus lake are small and contain a limited area of ground that is suitable for egg-planting. A large proportion of the sockeye that return to the lake are beach spawners, and it is reported deposit their eggs at depths that it is impracticable to reach with available egg-planting



equipment. Cultus lake has a four-year cycle somewhat similar to the four-year cycle that occurred in the Fraser in the past, but with the "big run" occurring in different years. Heavy runs occurred in 1911, 1915, 1919 and 1923, and a similar run was therefore expected in 1927. In view of the expected large run and the limited area suitable for egg-planting, the program of the committee was changed from egg-planting to natural reproduction. A grand total of eighty-one thousand and sixty-five fish, consisting of twenty-five thousand four hundred and seventy-one males and fifty-five thousand five hundred and ninety-four females, were counted over the fence up to December 31, and in addition thereto, one thousand one hundred and forty-two, consisting of three hundred and sixty-two males and seven hundred and eighty females which died below the fence, were taken from the river and destroyed.

A heavy run of sockeye also occurred rather late in the season in Trout or Hatchery creek at the old hatchery on Harrison lake. Three million eight hundred and sixty thousand eggs were obtained at this point, developed in the Cultus Lake hatcheries, and after they had reached the eyed stage, were transferred back and planted on the natural spawning grounds of the Harrison lake system. This double transfer was for the purpose of meeting the wishes of the Research Committee as it desired that only the progeny of Cultus lake fish should be distributed in that system.

The early run of fish to the Birkenhead river, Pemberton district, was unusually light, and it was not until towards the end of September that any considerable number of sockeye made their appearance. The run throughout the period, while the eggs were being collected, was not as large as that of the best of recent years, but from October 8 to 15 a heavy natural spawning occurred; after October 15 the numbers could not be estimated as the water was so badly discoloured from heavy rains. It is the practice at this point to place the fish after they have been stripped at the disposal of the local Indians for food. The practice that has been followed at other places, where it is not feasible to place the fish above the fences after they are stripped, was followed at Pemberton, and after all the eggs were secured that came away easily the fish were killed, split and the remaining eggs were taken. Over two million eggs were secured from fish handled in this way, which gave a return after they were cleaned up of over one million five hundred thousand eyed eggs. Thirty-seven million eggs were obtained at Pemberton and of this number over seven million five hundred thousand were planted in the eyed stage in what were at one time important spawning areas of the upper Fraser above Hell's gate. Upper Fraser plantings were as follows:—

|                                  |           |
|----------------------------------|-----------|
| Francois lake—Nadina river.....  | 5,004,000 |
| Quesnel lake—Horsefly river..... | 2,502,000 |
|                                  | 7,506,000 |

The collection of salmon eggs in the Fraser watershed in 1923 compares with that of 1927, as follows:—

| —              | —    | Pitt lake | Cultus lake | Harrison lake | Pemberton  | Total      |
|----------------|------|-----------|-------------|---------------|------------|------------|
| Sockeye.....   | 1923 | 3,447,000 | 5,190,000   | 15,258,000    | 30,629,000 | 54,524,000 |
|                | 1927 | 5,249,000 |             | 3,860,000     | 37,000,000 | 46,109,000 |
| Coho.....      | 1923 | 278,000   |             | 50,000        |            | 328,000    |
|                | 1927 |           |             |               |            |            |
| Spring.....    | 1923 | 22,000    |             | 677,000       |            | 699,000    |
|                | 1927 |           |             |               |            |            |
| Pink.....      | 1923 |           |             | 4,003,900     |            | 4,003,900  |
|                | 1927 |           |             |               |            |            |
| Steelhead..... | 1923 |           | 25,350      |               |            | 25,350     |
|                | 1927 |           | 67,920      |               |            | 67,920     |

|                                |            |
|--------------------------------|------------|
| 1923—Total of all species..... | 59,580,250 |
| 1927—Total of all species..... | 46,176,920 |

A heavy run somewhat smaller than the splendid run of 1926 again occurred in Little river and in Adams river from its mouth to above the canyon. This run made its appearance about the middle of October and continued into November. A good run was also reported in Horsefly river. Sockeye were also observed, but on the whole in smaller numbers than in the previous year, in the Quesnel, Bowron and Chilco lakes and in Mitchell river, above Hell's gate in the Fraser river. The run to the Stuart lake area was smaller than the runs of the two preceding years, but owing to extreme high water no accurate count or close estimate could be made, and in the opinion of the local guardian a larger percentage than would otherwise have been the case proceeded to the upper tributaries of Trembleur and Tacla lakes.

No sockeye eggs were collected in the upper Fraser. Five million were secured by the Stuart Lake hatchery staff in Fifteen Mile creek, Babine lake, where a heavy run occurred. These eggs were developed and distributed from Stuart lake. The Skeena river watershed was recompensed therefor by an equal number of eggs from the lower Fraser. This arrangement facilitates the stocking of the upper Fraser, as it is a difficult and arduous undertaking, owing to climatic conditions, to properly plant eggs from the later runs in the upper Fraser areas.

#### RIVER'S INLET

The spawning grounds of Owikeno lake and its tributaries which feed the River's inlet area were as a whole well seeded naturally in 1927. This favourable condition applies equally to the streams at the head of the lake as to those nearer the outlet. Only two creeks were operated for hatchery purposes, namely, Genesi and Quap. A heavy freshet, which occurred in October, permitted the escape of large numbers of fish over and around the fences in Genesi creek, and as a consequence the collection therefrom was smaller than usual. A serious loss of fish during the same freshets was prevented by the vigilance of the hatchery staff stationed at Quap creek, and the collection therefrom of over seventeen and one-half million eggs was the largest yet taken from any creek tributary to Owikeno lake. The collection in this area was as follows:—

|                   |                   |
|-------------------|-------------------|
|                   | Sockeye<br>salmon |
| Genesi creek..... | 3,008,000         |
| Quap creek.....   | 17,641,000        |
|                   | <hr/> 20,649,000  |

#### SKEENA RIVER.

While the collection of sockeye eggs in the Lakelse lake district in 1926 was larger than any previous collection and was obtained in two inlet creeks, this favourable condition was reversed in 1927, and the total collection was a little over three and one-half million. There was no condition evident in the lake and its tributaries to account for the non-appearance of the fish after a term of general abundance, during which the run for several years was better than the preceding one.

In addition to the scarcity of fish, severe freshets, which washed out the fences on Williams creek, interfered with and reduced the collection at that point to a limited extent. The officers who were on the ground throughout the spawning season report that the fish remained in the lake longer and showed less inclination than usual to gain access to the upper waters of the tributary creeks. They are also of the opinion that natural spawning was of too limited an extent to have any material effect on the return of parent fish four years hence.

As the fish are stripped at Lakelse, they are dipped over the hatchery fences and allowed to ascend to the upper spawning grounds.

While an unusually poor run occurred in Lakelse lake, a good run, which compared very favourably with the runs of recent years, occurred in Babine lake and its tributaries. There was a good run in Babine river, as well as in Morrison creek, where nearly eight million eggs were taken. The run to this creek was easily twenty-five per cent better than it was in 1926. Sufficient fish were on the grounds to have doubled the collection that was made. Fulton, Tachi, Pierre, Pemberton, and Grizzly creeks were well seeded. Fifteen mile creek was also well seeded, in addition to the five million eggs that were taken therein for the Stuart Lake hatchery. 1,020,000 of the eggs taken for Babine hatchery were from split fish after they had been stripped in the usual way.

The following summary gives the number of salmon eggs collected in the Skeena River watershed, and the disposal made of them in 1927:—

| Collection area         | Species | Number collected | Disposal               |
|-------------------------|---------|------------------|------------------------|
| Lakelse lake—           |         |                  |                        |
| Salmon creek.....       | Sockeye | 172,000          |                        |
| Scullabuchan creek..... | Sockeye | 368,000          |                        |
| Williams creek.....     | Sockeye | 2,980,000        |                        |
|                         |         | 3,526,000        | Lakelse lake hatchery. |
| Babine lake—            |         |                  |                        |
| Fifteen Mile creek..... | Sockeye | 5,000,000        | Stuart lake hatchery.  |
| Morrison creek.....     | Sockeye | 7,800,000        | Babine lake hatchery.  |
|                         |         | 12,800,000       |                        |
|                         |         | 16,326,000       |                        |

#### VANCOUVER ISLAND

A large run of sockeye, estimated at seventy-five thousand, reached the spawning grounds of Anderson lake. Approximately thirty-five per cent spawned in Clemens creek and the remainder were beach spawners. The superintendent of the hatchery estimates that the run was about ten thousand fish in excess of that of the previous year.

The run of coho was about the same as that of last year, while the run of chum was about one-half as large. An improvement of about twenty-five per cent over the previous year was also observed in the spring salmon run.

Water conditions during the spawning period were reasonably favourable; water continued fairly high and all the spawning beds were apparently heavily seeded. Eight sockeye salmon with the adipose fin missing were captured on the beach in front of the hatchery, where the liberation of fourteen thousand six hundred and twenty-one fingerlings from the 1922 egg collection were distributed. One hundred and eighty fish similarly marked were recaptured last year.

While there was a decided increase in the run at Anderson, the reverse was the case at Kennedy lake. The expected run to the upper Clayoquot and Clayoquot lake district was practically a failure, and no sockeye were observed up to November 4 at Cold creek or the mouth of the lower Clayoquot river, where usually large numbers spawn. In commenting on the lack of fish, the superintendent of the hatchery points to the fact that in the good year of 1923 it was estimated that one million sockeye eggs had been deposited naturally at these points, that high water occurred during most of the spawning season, and this, coupled with the lower levels that were reached before the fry hatched, may have nullified or destroyed the natural seeding of that year. The early run which appears during the month of June and spawns towards the end of August was a complete failure, and no eggs of this run were secured. The fall run was also disappointing. It is estimated that about three thousand fish escaped the

nets and reached the spawning grounds. Upwards of fifty thousand, a comparatively large pack for this district, were taken in the outside waters where three canneries were operating in comparison with only one in recent years. The spawning beaches of the lake were lightly seeded and the superintendent of the hatchery estimates that approximately one million eggs were deposited on the beaches and one hundred thousand in Cold creek.

Little or no damage from freshets or other causes occurred to the spawning grounds, and up to the end of December conditions would seem to have been favourable for a good return from the natural reproduction in this area.

At both Anderson and Kennedy lakes, the stripped fish are killed, split and the eggs remaining in them are taken and fertilized. If these fish were liberated they would be caught over and over again with the unstripped and later arrivals. Five hundred and sixty-seven thousand eggs were taken at Anderson lake in this way, and nine hundred and sixty-one thousand at Kennedy lake.

A good run of steelhead occurred in the Cowichan river, where a limited collection of such eggs was made early in the season. The river, however, at this time was quite high and bad weather conditions with snowstorms interfered greatly with the operations. There was a good run of early springs, but the fall run of this species was poor. The collection of eggs, however, was up to the average of recent years. As usual, coho salmon were plentiful, but not as numerous as last year, and they reached the vicinity of the hatchery in an unusually ripe condition. The spawning grounds of this species were well seeded. The following summary gives the collection of salmon eggs on Vancouver island, 1927:—

|                         |            |
|-------------------------|------------|
| Anderson Lake hatchery— |            |
| Sockeye salmon.....     | 8,550,170  |
| Kennedy Lake hatchery—  |            |
| Sockeye salmon.....     | 3,301,500  |
| Cowichan Lake hatchery— |            |
| Coho salmon.....        | 525,000    |
| Spring salmon.....      | 1,134,000  |
| Steelhead salmon.....   | 189,800    |
|                         | <hr/>      |
|                         | 13,700,470 |

#### MISCELLANEOUS COLLECTION

The collection of cutthroat trout eggs in Spray lakes, Alta., was larger than the previous year and one of the largest that has ever been made in that district. The run of trout was unusually late in entering the creek and the season was considerably later than the average.

A small collection was also made in Cottonwood, Mead, Nixon and Oliver creeks in the Cowichan lake district, B.C. High water, which prevailed throughout the season, militated against operations at these camps.

The Cranbrook hatchery operated by the Cranbrook District Rod and Gun Club, and other local organizations, in co-operation with the department, which provides expert supervision, had its most successful season. Over one million cutthroat trout eggs were collected locally and most of the resultant fry were also distributed in local waters.

Rainbow trout eggs were collected in Cottonwood and Six Mile lakes in the Nelson district, B.C. The eggs were of good average quality and the resultant fry were returned to the lakes from which the eggs were obtained, resultant fry were returned to the lakes from which the eggs were obtained, from ponds at the Saint John hatchery.

Over one-half million Kamloops trout eggs were obtained in the Lardeau river and laid down in the Gerrard hatchery. Largely on account of the backward season, conditions were unfavourable for a large collection. Nearly sixty

per cent of the collection was planted as eggs or fry in Kootenay lake or its tributaries, constituting a large return to the waters from which the eggs were collected. A record collection of over two and one-half million Kamloops trout eggs was made in Paul and Pinantan creeks and Hya Long lake in the Lloyd's creek district. Although the water in the creeks was somewhat higher than usual, conditions generally were favourable; a considerable number of large trout up to eighteen pounds in weight being taken. One of the trout which was tagged in 1924 was caught in the Paul creek trap.

A small number of salmon trout eggs were taken during the test fishing that was carried on in Cold lake, Alta., with a view to locating a permanent source of supply for stocking western waters; the source from which such eggs were previously obtained having been transferred to Ontario with the hatcheries previously operated in that province by this department.

Over three hundred and fifty thousand brown and Loch Leven trout eggs were obtained from the brood stock at the Saint John hatchery. This collection was largely supplemented by purchase and by exchange for other eggs with the state of New Hampshire. Brown trout also were purchased from Star Prairie Trout hatchery.

The collections of eggs, other than those previously tabulated, were as follows:—

1927

## MISCELLANEOUS COLLECTION

|                                      |           |           |
|--------------------------------------|-----------|-----------|
| <i>Cutthroat trout—</i>              |           |           |
| Spray Lakes hatchery—                |           |           |
| Spray lakes.....                     | 822,220   | 822,220   |
| Cowichan Lake hatchery—              |           |           |
| Cottonwood Creek.....                | 41,800    |           |
| Mead creek.....                      | 14,300    |           |
| Nixon creek.....                     | 44,900    |           |
| Oliver creek.....                    | 17,600    | 118,600   |
| <i>Kamloops trout—</i>               |           |           |
| Lloyds Creek eyeing station—         |           |           |
| Paul creek.....                      | 924,000   |           |
| Pinantan creek.....                  | 1,801,000 |           |
| Hya Long lake.....                   | 142,000   | 2,667,000 |
| Gerrard hatchery—                    |           |           |
| Lardeau river.....                   | 522,500   | 522,500   |
| <i>Brown trout—</i>                  |           |           |
| St. John hatchery—                   |           |           |
| Hatchery ponds.....                  | 262,993   | 262,993   |
| <i>Loch Leven trout—</i>             |           |           |
| St. John hatchery—                   |           |           |
| Hatchery ponds.....                  | 97,025    | 97,025    |
| <i>Rainbow trout—</i>                |           |           |
| St. John hatchery—                   |           |           |
| Hatchery ponds.....                  | 45,414    |           |
| Lily lake.....                       | 1,560     | 46,974    |
| Nelson eyeing station—               |           |           |
| Cottonwood lake.....                 | 108,900   |           |
| Six Mile lake.....                   | 107,000   | 215,900   |
| <i>Salmon trout—</i>                 |           |           |
| Banff hatchery—                      |           |           |
| Cold lake.....                       | 10,000    | 10,000    |
| <i>Sebago or Land-locked salmon—</i> |           |           |
| St. John hatchery—                   |           |           |
| Chamcook lakes.....                  | 249,884   | 249,884   |
|                                      |           | 5,013,096 |

The following summary gives, by species, the total receipt of eggs during the year ended December 31, 1927:—

|                        |             |             |
|------------------------|-------------|-------------|
| Atlantic salmon.....   | 29,909,299  |             |
| Landlocked salmon..... | 249,884     |             |
| Rainbow trout.....     | 262,874     |             |
| Cutthroat trout.....   | 940,820     |             |
| Steelhead salmon.....  | 257,720     |             |
| Kamloops trout.....    | 3,189,500   |             |
| Sockeye salmon.....    | 94,935,670  |             |
| Spring salmon.....     | 1,134,000   |             |
| Coho salmon.....       | 525,000     |             |
| Speckled trout.....    | 3,186,923   |             |
| Whitefish.....         | 172,140,000 |             |
| Salmon trout.....      | 10,000      |             |
| Pickeral.....          | 30,515,000  |             |
| Brown trout.....       | 262,993     |             |
| Loch Leven trout.....  | 97,025      |             |
|                        |             | 337,616,708 |

The following purchases were also made:—

|                                                                                                        |           |             |
|--------------------------------------------------------------------------------------------------------|-----------|-------------|
| Brown trout eyed eggs from Star Prairie Trout hatchery, Star Prairie, Wisconsin.....                   | 300,000   |             |
| Rainbow trout eyed eggs from Big Rock Creek Trout Co., St. Croix Falls, Wisconsin.....                 | 83,525    |             |
| Speckled trout eyed eggs from Cape Cod Trout Co., Wareham-Mass.....                                    | 1,501,000 |             |
|                                                                                                        |           | 1,884,525   |
| Donation received:—                                                                                    |           |             |
| Salmon trout (eyed eggs) from the Department of Game and Fisheries, Ontario, Port Arthur hatchery..... | 250,000   |             |
|                                                                                                        |           | 250,000     |
|                                                                                                        |           | 339,751,233 |

In addition to the above the following exchanges were received:—

|                                                                                                             |         |
|-------------------------------------------------------------------------------------------------------------|---------|
| Brown trout eyed eggs from state of New Hampshire, in exchange for Atlantic salmon eggs.....                | 117,345 |
| Brown trout eyed eggs from Trout Brook Co., in exchange for Atlantic salmon eggs.....                       | 438,211 |
| Rainbow trout eyed eggs from state of New Hampshire, in exchange for Atlantic salmon eggs.....              | 271,417 |
| Rainbow trout eyed eggs from state of Maine, in exchange for Atlantic salmon eggs.....                      | 50,000  |
| Loch Leven trout eyed eggs from state of New Hampshire, in exchange for Atlantic salmon eggs.....           | 524,000 |
| Cutthroat trout eyed eggs from United States Bureau of Fisheries, in exchange for Atlantic salmon eggs..... | 498,750 |
| Cutthroat trout eyed eggs from Cranbrook hatchery in exchange for Kamloops trout eggs.....                  | 180,014 |

The Nimpkish hatchery, operated by the British Columbia Fishing and Packing Company, Limited, was reopened, after several years closure, in the autumn of 1926, and from the four million eight hundred thousand sockeye eggs that were collected, four million, three hundred and fifty-six thousand, six hundred and seventy fry were distributed in 1927.

This plant was not reopened for the collection of eggs in 1927, but the hatchery employees were retained by the company and engaged in the removal of obstructions to the ascent of salmon.

#### STATEMENT OF EGGS SUPPLIED TO OTHER THAN DOMINION GOVERNMENT HATCHERIES DURING 1927

| Species              | Number    | To                                                                                                                           |
|----------------------|-----------|------------------------------------------------------------------------------------------------------------------------------|
| Atlantic salmon..... | 1,000,000 | State of New Hampshire, Warren Fish Hatchery, Warren, N.H.—in exchange for Brown trout, Rainbow trout, and Loch Leven trout. |
| Atlantic salmon..... | 1,000,000 | United States Bureau of Fisheries, East Orland, Maine—in exchange for Cutthroat trout.                                       |
| Atlantic salmon..... | 320,000   | Trout Brook Co., Warren Fish Hatchery, Warren, N.H.—in exchange for brown trout.                                             |
| Brown trout.....     | 15,000    | Department of Colonization, Mines and Fisheries (Magog Hatchery), Quebec.                                                    |
| Kamloops trout.....  | 185,000   | Cranbrook hatchery in exchange for Cutthroat trout.                                                                          |

NOTE.—The Research Committee of the Biological Board was supplied as requested with such eggs and fry as were available at the various hatcheries.

In the interest of economy and convenience in the distribution of fry, the following transfers of eyed eggs were made in 1927:—

| Species              | From                           | To                        | Number        |
|----------------------|--------------------------------|---------------------------|---------------|
| Atlantic salmon..... | (a) Margaree hatchery.....     | Lindloff hatchery.....    | 600,000       |
|                      | (a) Grand Falls hatchery.....  | Tobique hatchery.....     | 700,000       |
|                      | (a) Grand Falls hatchery.....  | Sparkle hatchery.....     | 375,000       |
|                      | (a) Middleton hatchery.....    | Windsor hatchery.....     | 10,000        |
|                      | (a) Miramichi hatchery.....    | Cowichan lake hatchery..  | (c) 1,000,000 |
|                      | (a) Restigouche hatchery.....  | Nipisiguit hatchery.....  | 500,475       |
|                      | (a) Saint John hatchery.....   | Kelly's Pond hatchery.... | 250,000       |
| Speckled trout.....  | (a) Middleton hatchery.....    | Windsor hatchery.....     | 10,000        |
| Rainbow trout.....   | (b) Saint John hatchery.....   | Kelly's Pond hatchery.... | 4,500         |
| Whitefish.....       | (b) Winnipegosis hatchery..... | Fort Qu'Appelle hatchery. | 20,000,000    |
| Cutthroat trout..... | (b) Spray lakes hatchery.....  | Banff hatchery.....       | 430,290       |
| Kamloops trout.....  | (b) Lloyds creek hatchery..... | Cowichan lake hatchery..  | 300,000       |
|                      | (b) Lloyds creek hatchery..... | Lakelse lake hatchery.... | 150,000       |
|                      | (b) Lloyds creek hatchery..... | Nelson Eyeing station.... | 340,000       |
|                      | (b) Lloyds creek hatchery..... | Pemberton hatchery.....   | 100,000       |
|                      | (b) Gerrard hatchery.....      | Nelson Eyeing station.... | 210,000       |
| Sockeye salmon.....  | (b) Pemberton hatchery.....    | Lakelse lake hatchery.... | 6,000,000     |

(a) 1926—Fall collection.

(b) 1927—Collection.

(c) Laid down in Cowichan lake hatchery..... 500,000  
 Planted as eyed eggs Cowichan lake district..... 400,000  
 Planted as eyed eggs Alberni district..... 100,000

1,000,000

#### MARKING OF FISH

As considerable speculation and difference of opinion has existed for some time amongst the interested fishermen regarding the movement of whitefish in lakes Winnipeg and Winnipegosis and connected waters, some having the impression that whitefish from lake Winnipegosis migrated to lake Winnipeg, and vice versa, tagging of whitefish at the egg-collecting camps at the mouth of Dauphin river, lake Winnipeg, and at the entrance to Waterhen river, lake Winnipegosis, was resorted to, with a view to obtaining some definite information in the matter.

Aluminium tags were attached to the caudal fin of the fish. Those used at lake Winnipeg were marked with the letter "A" while those used at Winnipegosis were blank. Two thousand six hundred fish, approximately one thousand eight hundred males and eight hundred females, were marked at Dauphin river and two thousand six hundred and six were marked at lake Winnipegosis hatchery, having been transferred from the Waterhen by pontoon to the lagoon at the hatchery at Snake island, where they were marked some stripped and all liberated.

The following marking of whitefish and salmon was done in 1927:—

STATEMENT OF THE MARKING OF SALMON AND WHITEFISH DURING 1927

| —                                       | Species                                                  | Number marked. | Date of marking                         | Nature of Mark                                        | Object                                                                                                                                                                                                                                  |
|-----------------------------------------|----------------------------------------------------------|----------------|-----------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cains river, N.B.....                   | Atlantic salmon unstripped..                             | 20             | April 21, 22, 25, 26, 27, 30; May 1, 3. | Silver tag attached to dorsal fin.                    | To throw some light on:—<br>The movements of the salmon that resort to this river to spawn.                                                                                                                                             |
| Nipisiguit river, N.B.....              | Atlantic salmon..... 14 unstripped..... 50 stripped..... | 64             | Oct. 26 and 27...                       | " " "                                                 | " " " " "                                                                                                                                                                                                                               |
| Matapedia river, N.B.....               | Atlantic salmon, stripped...                             | 100            | Oct. 25, 26, 27...                      | " " "                                                 | " " " " "                                                                                                                                                                                                                               |
| Anderson lake, B.C., Ternan creek..     | Sockeye salmon fingerlings..                             | 4,651          | Oct. 13.....                            | Adipose fin clipped.....                              | The percentage of artificially fed fry that return as salmon.                                                                                                                                                                           |
| Kennedy lake, B.C.....                  | Sockeye salmon fingerlings..                             | 6,718          | Dec. 31.....                            | Adipose and anal fins clipped.                        | " " " " "                                                                                                                                                                                                                               |
| Stuart Lake, B.C.—                      |                                                          |                |                                         |                                                       |                                                                                                                                                                                                                                         |
| Alexander lake.....                     | Sockeye salmon yearlings...                              | 16,400         | May 17 to June 6                        | Adipose fin and posterior half of dorsal fin clipped. | As above, and of Sockeye fry hatched from eggs collected in the Lower Fraser and distributed in the Upper Fraser that ascend as mature fish above the habitat of their parents and return to the region in which they were distributed. |
| Crawford lake.....                      | " " "                                                    | 750            |                                         |                                                       |                                                                                                                                                                                                                                         |
| Rainbow lake.....                       | " " "                                                    | 18,800         |                                         |                                                       |                                                                                                                                                                                                                                         |
| Lake Winnipeg, Dauphin river, Man.      | Whitefish unstripped.....                                | 2,600          | Oct. 3 to 22....                        | Tags with letter A attached to caudal fin.            | The movements of whitefish in this lake.                                                                                                                                                                                                |
| Lake Winnipegosis, Waterhen river, Man. | Whitefish..... (1,266 unstripped 1,340 stripped)         | 2,606          | Oct. 28, 31; Nov. 1 to 4.               | Blank tags attached to caudal fin.                    | " " " "                                                                                                                                                                                                                                 |



RECAPTURES 1927—ATLANTIC SALMON  
CAINS RIVER

| Number     | Weight  | Length | Con-<br>dition         | Sex    | Date                                | 1. Where liberated<br>2. Where caught                              |
|------------|---------|--------|------------------------|--------|-------------------------------------|--------------------------------------------------------------------|
|            | lbs.    | ins.   |                        |        |                                     |                                                                    |
| F1107..... | 12<br>7 | 37     | Kelt.....<br>Kelt..... | F<br>" | May 1, 1927....<br>June 3, 1927.... | Cains river, N.B.<br>S.W. Miramichi river,<br>Derby Junction, N.B. |

NIPISIGUIT RIVER

|           |          |          |                         |        |                                        |                                                  |
|-----------|----------|----------|-------------------------|--------|----------------------------------------|--------------------------------------------------|
| F609..... | 4<br>14½ | 23<br>34 | Kelt.....<br>Clean..... | M<br>" | Oct. 23, 1925....<br>July 22, 1927.... | Nipisiguit river, N.B.<br>Belloni Point, N.B.    |
| F639..... | 3<br>11  | 21       | Kelt.....<br>Clean..... | M<br>" | Oct. 23, 1925....<br>July 16, 1927.... | Nipisiguit river, N.B.<br>Nipisiguit river, N.B. |
| F739..... | 11<br>22 | 35       | Kelt.....<br>Clean..... | F<br>" | Nov. 3, 1925....<br>July 8, 1927....   | Nipisiguit river, N.B.<br>Nipisiguit river, N.B. |

ANDERSON LAKE HATCHERY, B.C.

Eight sockeye with the adipose fin missing were caught and liberated on the beach in front of the hatchery where similarly marked yearlings were liberated in 1924. Two were unripe females which were at once liberated and six (five females and one male) had their scales referred to Dr. W. A. Clemens, Director of the Pacific Biological Station, Nanaimo, B.C., who reported that all the scales showed nuclear areas representing one year in fresh water. The scales of two showed them to have been in their fifth year. The scales of the others were so badly eroded as to render it impossible to determine the age.

COWICHAN LAKE HATCHERY

Three spring salmon with adipose fin missing were reported. According to scale readings made by Dr. Clemens one was in its third summer and had spent one year in the lake. Another was in its fourth year.

LLOYDS CREEK SUBSIDIARY HATCHERY

One large female Kamloops trout was reported from Paul creek trap on July 8, 1927.

EXPANSION

Considerable expansion was made in the fish cultural service in the provinces in which the fisheries are administered by the Dominion Government.

NOVA SCOTIA

ANTIGONISH AND YARMOUTH HATCHERIES

After a careful examination which covered the numerous streams in the easterly and westerly portions of Nova Scotia, sites for salmon and trout hatcheries were selected at Fraser's Mills on South river, fourteen miles from the town of Antigonish, Antigonish county, and on the outlet of lake George about five miles from the Ohio Railroad station and fourteen miles from the town of Yarmouth, Yarmouth county, N.S. Steps have been taken to secure the neces-

sary land and water-rights at these places and unless something unforeseen occurs tenders will be invited at an early date for the construction of the proposed establishments.

## NEW BRUNSWICK

### FLORENCEVILLE HATCHERY

A long-felt want was filled by the construction of a salmon and trout hatchery on Whitemarsh creek, about one mile from Florenceville, N.B., on the westerly side of the St. John river. This hatchery will cover in its distribution area the central portion of the province, along the St. John valley and the upper portions of the southwest Miramichi that could not readily be reached from the older hatcheries.

The main building, which is 89 feet 10 inches long by 23 feet wide, contains a six-room dwelling house for the superintendent at one end, and two rooms for the assistant, with an office over them, at the other. The hatching room proper is 53 feet long, one story, with side and roof lighting. The equipment includes thirty hatching troughs, standard design, each sixteen feet long. The foundation and the floor of the hatchery are of concrete and embody a new feature consisting of twelve floor tanks each twelve feet long, two feet two inches wide, and one foot deep, two tanks being placed under each cluster of five hatching troughs. These tanks are supplied independently with water from the overflow of the hatching troughs. It is not proposed to use these tanks in handling the eggs, but as a part of the accommodation, additional to the troughs, that is required when the fry begin to hatch.

The dwelling is heated with a hot-air furnace, and is equipped with sanitary plumbing, the water supply for which is obtained from a well by an automatic electric pumping equipment, and the waste from which is discharged into a septic tank. All buildings throughout are lighted by electricity.

A second building contains accommodation for two cars or trucks, an ice room with cold chamber for fish food, and storage room overhead.

The water supply is obtained from the reservoir formed by an earth embankment dam with concrete core-wall across Whitemarsh creek. The dam is twelve feet high at the gates, and the water is conducted to the hatchery by a six-inch wire-wound wood stave pipe and to the rearing pond system by a similar pipe ten inches in diameter.

The pond system consists of eight ponds each one hundred and twenty-six feet long, five feet wide and four feet deep, constructed with concrete side walls and gravel bottoms, each pond being fed independently from the water supply. On account of the lateness of the season, only five of these ponds were completed, but excavations for the balance were removed and the whole left in readiness for completion next year.

### SAINT JOHN HATCHERY, N.B.

The rearing and brooding facilities were extended by the construction of fourteen ponds of varying lengths to suit the ground location, the total length being twenty-one hundred and twenty-eight feet. Ponds are all four feet wide with side walls of concrete and bottoms of gravel. The water supply is obtained from Little River reservoir through a new eight-inch wood stave pipe being installed, and also from a large spring from which an additional eight-inch pipe was laid. Both sources of water supply are led into a concrete tank where they may be mixed as desired, thus regulating to a certain extent the temperature of the water before it enters the head trough of the pond system. The ponds are arranged so that each may be supplied separately from the head trough or the water may, if desired, be circulated through two, three, or more ponds.

These ponds are enclosed by a mink-proof wire fence three feet high with a twelve-inch band of galvanized iron surmounted by several strands of barbed wire at the top.

Electricity having become available during the year, the buildings, including dwelling, hatchery and garage, were wired and equipped with lighting fixtures. Several lights were also established around the pond system controlled by switches from the dwelling as a protection against possible poaching.

This pond system previously 1,324.2 feet long was increased by 2,128.5 feet, making a total length of 3,452.7 feet, four feet wide and two feet six inches deep.

## ALBERTA

### LESSER SLAVE, WATERTON AND JASPER (SUBSIDIARY) HATCHERIES

A contract was awarded for the construction of a whitefish hatchery on Lesser Slave lake which, it is expected, will be in operation in 1928. Test fishing to obtain information regarding the spawning period of whitefish in this lake was carried on some years ago, and the conditions that obtained at the different seasons of the years at several points have since been observed. This lake is as a rule quite shallow around the shores and is subject to heavy ice floes during the break-up in the spring. Some difficulty was experienced in finding a location that provided fairly deep water at a reasonable distance, for the water supply, from the shore, and protection for the pipe line against the movement of ice in the spring. A site at Canyon creek on the south side of the lake about eighteen miles from the easterly end was selected as being the most suitable. The main building will be seventy-six feet long and forty feet wide, fitted with eight hundred and eighty-eight standard hatching jars providing capacity for one hundred and thirty million whitefish eggs.

The ground floor is laid out for the hatching and engine rooms and the upper floor is taken up with living quarters which comprise a six-room apartment for the superintendent and seven rooms for the accommodation of the staff. Protection for the hatchery boats and intake will necessitate a substantial wharf about four hundred feet long.

A number of streams in southern Alberta which had been under observation for some time as possible sites for a trout hatchery were again inspected and after due consideration of the facilities offered by each one and the general conditions of the district, a site was selected on a stream known locally as Spring creek, in the Waterton Lakes national park, and a contract awarded for a hatchery and superintendent's dwelling. The hatchery is a frame building forty-four feet long by twenty-four feet wide, divided into two rooms, viz., the hatching room thirty-one feet by twenty-three feet and a garage twenty-three feet by twelve feet.

The hatching room is fitted with fifteen standard hatching troughs sixteen feet long, six concrete tanks, each fourteen feet long by two feet wide, in the floor, two under each cluster of five hatching troughs. Provision has been made so that in the event of operations becoming larger, the space occupied by the garage may be converted into additional hatching space. The water supply is obtained by gravity through an eight inch wood stave pipe from Spring creek where a small concrete dam was built to provide a reservoir.

The superintendent's dwelling is a cottage type frame building thirty-two feet six inches long by twenty-six feet six inches wide, with basement, and is fitted with sanitary plumbing, water service and a hot air furnace.

At the request of the department, the Biological Board for Canada undertook an investigation of the lakes in the Jasper national park, Alta. This investigation was under the direction of Dr. C. H. O'Donoghue, who was at that time a member of the board and of the Research Committee on Fish

Culture. After observations covering two seasons, the introduction of eastern speckled trout (*Salvelinus fontinalis*) into the Medicine-Maligne lake system in the park was recommended. For the purpose primarily of carrying out this recommendation, a subsidiary hatchery was arranged in a log cabin, nineteen feet long by fifteen feet wide, which was formerly used by one of the park guardians. Ten standard hatching troughs have been installed with other necessary equipment and arrangements made for the first distribution of speckled trout in this new environment in the spring of 1928.

## BRITISH COLUMBIA

### NELSON AND SUMMERLAND HATCHERIES

The hatchery at Nelson, B.C., previously operated in a rented building, was removed to considerably larger quarters, much better adapted for the purpose, in the basement of the Armoury.

At Summerland a concrete block building, thirty feet long and sixteen and one-half feet wide was purchased from the municipality. It was refloored and fitted with a battery of fifty-two jars and with eight standard hatching troughs, each fourteen feet long. In the basement, under the main floor, a whitefish tank for fry, twenty feet long and four feet wide, and two tanks for trout fry, each twenty feet long by three feet wide, were installed. The building is lighted by electricity and the water supply is obtained from the overflow of springs used by the municipality for its water services.

Necessary repairs, renewals and improvements were made at various other establishments, some of the more important of which were: a rearrangement of the outbuildings, with additions that produced a garage, coal-room, ice-house and feed room at the Kelly's Pond hatchery; the renewal of one-half the floor in the Restigouche hatchery, shingling the north slope of the roof, repairing foundations, repairs to out-buildings and water supply. At Cultus lake a second hatchery building was erected at Smith Falls, similar in construction to the first unit and measuring sixteen feet by fifty-six feet, and containing eighteen troughs sixteen and one-half inches wide, seven and one-half inches deep and sixteen feet long. A room twelve feet by twelve feet was added to the living quarters and the whole building was otherwise completed. A combined woodshed and garage thirteen feet by twenty-seven feet was built out of poles and split cedar. Four retaining troughs two feet deep, two and one-half feet wide and sixteen feet long, were built by the Biological Board and connected with the hatchery water supply.

At the main plant a new workshop twelve feet by twenty-four feet was built of material to conform with the other buildings and a rustic fence sixty feet long was put up between the hatchery and the dwelling-house. The house service pipe was extended to the settling pond which was widened and deepened and a four-inch wooden pipe laid from it to the retaining ponds, thus enabling the hatchery troughs to be dried as desired.

The foundations and flooring of the north half of the Pemberton hatchery were renewed, and new flumes were built from Owl creek and the spring. The Stuart Lake hatchery was repaired, the entire foundation logs and a portion of the wall logs being replaced with sound timbers. A small log building was built on the Nadina river at the head of Francois lake to provide shelter for egg-planting operations in that district. At the Lakelse hatchery an extension of forty-five feet was made to both landing wharves to overcome extreme low water (both landing stages are now over one hundred and twenty-five feet in length). All sections in pond system were enlarged and deepened necessitating the construction of several new dams, and a new log intake house, a new boat-house and marine ways were constructed and the garage and woodshed were

moved from the south to the north side of the hatchery. The new pond system at the Babine hatchery was considerably improved, the flume was replaced by an open ditch, lined with poles to prevent the sides caving; a new intake was built so that it is now possible to divert, as desired, water from the creek to the ponds, and the dams were replaced with a log structure seventy-six feet by four feet by fifty-six inches well chinked with moss and filled with dirt.

During 1927 the department operated twenty-four main hatcheries, seven subsidiary hatcheries, four salmon-retaining ponds, and several egg-collecting stations. The output from these establishments during 1927 was as follows:—

#### HATCHERY OUTPUT, BY PROVINCES, OF EGGS, FRY AND OLDER FISH DURING 1927

|                        |             |             |
|------------------------|-------------|-------------|
| Nova Scotia—           |             |             |
| Atlantic salmon.....   | 7,293,700   |             |
| Speckled trout.....    | 1,347,404   |             |
|                        |             | 8,641,104   |
| New Brunswick—         |             |             |
| Atlantic salmon.....   | 11,790,198  |             |
| Brown trout.....       | 101,747     |             |
| Landlocked salmon..... | 147,280     |             |
| Lochleven trout.....   | 3,142       |             |
| Rainbow trout.....     | 30,202      |             |
| Salmon trout.....      | 78          |             |
| Speckled trout.....    | 1,556,509   |             |
|                        |             | 13,629,156  |
| Prince Edward Island—  |             |             |
| Atlantic salmon.....   | 699,900     |             |
| Rainbow trout.....     | 2,259       |             |
| Speckled trout.....    | 503,496     |             |
|                        |             | 1,205,655   |
| Manitoba—              |             |             |
| Pickeral.....          | 12,835,000  |             |
| Whitefish.....         | 122,325,000 |             |
|                        |             | 135,160,000 |
| Saskatchewan—          |             |             |
| Pickeral.....          | 4,930,000   |             |
| Salmon trout.....      | 207,770     |             |
| Whitefish.....         | 21,410,000  |             |
|                        |             | 26,547,770  |
| Alberta—               |             |             |
| Cutthroat trout.....   | 1,024,740   |             |
| Brown trout.....       | 571,935     |             |
| Rainbow trout.....     | 243,007     |             |
| Speckled trout.....    | 3           |             |
| Whitefish.....         | 2,290,000   |             |
|                        |             | 4,129,685   |
| British Columbia—      |             |             |
| Atlantic salmon.....   | 487,895     |             |
| Cutthroat trout.....   | 280,410     |             |
| Kamloops trout.....    | 2,604,520   |             |
| Rainbow trout.....     | 205,700     |             |
| Sockeye salmon.....    | 100,192,966 |             |
| Speckled trout.....    | 413,938     |             |
| Spring salmon.....     | 1,535,702   |             |
| Steelhead salmon.....  | 249,281     |             |
|                        |             | 105,970,412 |
| Total.....             |             | 295,283,782 |

THE FOLLOWING TABLE SHOWS THE HATCHERIES OPERATED, THEIR LOCATION, DATE OF ESTABLISHMENT, THE SPECIES AND THE NUMBER OF EACH SPECIES DISTRIBUTED FROM EACH HATCHERY DURING THE SEASON 1927

| Established | Hatchery        | Location                              | Species           | Green eggs | Eyed eggs | Fry        | Advanced fry | Fingerlings | Yearlings and older fish | Total distribution by species | Total distribution by hatcheries |
|-------------|-----------------|---------------------------------------|-------------------|------------|-----------|------------|--------------|-------------|--------------------------|-------------------------------|----------------------------------|
| 1876        | Bedford         | Halifax county, N.S.                  | Atlantic salmon   |            | 100       | 200        | 210,000      | 1,424,400   |                          | 1,634,700                     |                                  |
|             |                 |                                       | Speckled trout    |            | 50        |            | 222,675      | 361,085     |                          | 583,810                       | 2,218,510                        |
| 1902        | Margaree        | Inverness county, N.S.                | Atlantic salmon   |            |           | 2,565,000  |              | 790,000     |                          | 3,355,000                     |                                  |
|             |                 |                                       | Speckled trout    |            |           |            |              | 144,594     |                          | 144,594                       | 3,499,594                        |
| 1906        | Windsor         | Hants county, N.S.                    | (No distribution) |            |           |            |              |             |                          |                               |                                  |
| 1913        | Middleton       | Annapolis county, N.S.                | Atlantic salmon   |            |           |            | 605,000      | 1,124,000   |                          | 1,729,000                     |                                  |
|             |                 |                                       | Speckled trout    |            |           |            | 85,000       | 534,000     |                          | 619,000                       | 2,348,000                        |
| 1912        | (a) Lindloff    | Richmond county, N.S.                 | Atlantic salmon   |            |           | 575,000    |              |             |                          | 575,000                       | 575,000                          |
| 1874        | Restigouche     | Restigouche county, N.B.              | Atlantic salmon   |            |           |            |              | 1,839,062   |                          | 1,839,062                     |                                  |
|             |                 |                                       | Speckled trout    |            |           | 20,900     |              |             |                          | 20,900                        | 1,859,962                        |
| 1874        | Miramichi       | Northumberland county, N.B.           | Atlantic salmon   |            | 500,000   |            | 3,288,000    | 1,120,218   |                          | 4,908,218                     |                                  |
|             |                 |                                       | Speckled trout    |            |           | 70,265     |              |             |                          | 70,265                        | 4,978,483                        |
| 1880        | Grand Falls     | Victoria county, N.B.                 | Atlantic salmon   |            |           | 325,000    | 820,000      | 1,174,002   |                          | 2,319,002                     |                                  |
|             |                 |                                       | Speckled trout    |            |           |            |              | 523,000     |                          | 523,000                       | 2,842,002                        |
| 1914        | St. John        | St. John county, N.B.                 | Atlantic salmon   |            | 3,220     |            | 509,000      | 710,136     |                          | 1,222,356                     |                                  |
|             |                 |                                       | Brown trout       |            | 18,684    | 50,000     |              | 33,052      | 11                       | 101,747                       |                                  |
|             |                 |                                       | Landlocked salmon |            | 3,400     |            | 50,000       | 93,680      | 200                      | 147,280                       |                                  |
|             |                 |                                       | Lochleven trout   |            | 3,132     |            |              |             | 10                       | 3,142                         |                                  |
|             |                 |                                       | Rainbow trout     |            |           |            |              | 30,000      | 202                      | 30,202                        |                                  |
|             |                 |                                       | Salmon trout      |            |           |            |              | 78          |                          | 78                            |                                  |
|             |                 |                                       | Speckled trout    |            | 6,400     | 410,000    | 340,000      | 183,002     | 2,942                    | 942,344                       | 2,447,140                        |
| 1914        | (a) Nipisiguit  | Gloucester county, N.B.               | Atlantic salmon   |            |           | 477,000    |              |             |                          | 477,000                       | 477,000                          |
| 1915        | (a) Tobique     | Victoria county, N.B.                 | Atlantic salmon   |            |           | 683,725    |              |             |                          | 683,725                       | 683,725                          |
| 1915        | (a) Sparkle     | Carleton county, N.B.                 | Atlantic salmon   |            |           | 340,835    |              |             |                          | 340,835                       | 340,835                          |
| 1906        | Kelly's Pond    | Queens county, P.E.I.                 | Atlantic salmon   |            |           | 465,000    | 220,000      | 14,900      |                          | 699,900                       |                                  |
|             |                 |                                       | Rainbow trout     |            |           |            |              | 2,259       |                          | 2,259                         |                                  |
|             |                 |                                       | Speckled trout    |            |           |            | 318,000      | 185,496     |                          | 503,496                       | 1,205,655                        |
| 1914        | Gull Harbour    | Big Island, Lake                      | Pickeral          |            |           | 12,835,000 |              |             |                          | 12,835,000                    |                                  |
|             |                 | Winnipeg, Man.                        | Whitefish         |            |           | 50,225,000 |              |             |                          | 50,225,000                    | 63,060,000                       |
| 1909        | Winnipegosis    | Snake Island, Lake Winnipegosis, Man. | Whitefish         |            |           | 72,100,000 |              |             |                          | 72,100,000                    | 72,100,000                       |
| 1915        | Fort Qu'Appelle | Fort Qu'Appelle, Sask.                | Pickeral          |            |           | 4,930,000  |              |             |                          | 4,930,000                     |                                  |
|             |                 |                                       | Salmon trout      |            |           | 207,770    |              |             |                          | 207,770                       |                                  |
|             |                 |                                       | Whitefish         |            |           | 21,410,000 |              |             |                          | 21,410,000                    | 26,547,770                       |
| 1914        | Banff           | Banff, Alta.                          | Brown trout       |            |           | 571,935    |              |             |                          | 571,935                       |                                  |
|             |                 |                                       | Cutthroat trout   |            |           | 747,100    |              |             |                          | 747,100                       |                                  |
|             |                 |                                       | Rainbow trout     |            |           | 160,000    | 32,000       | 51,000      | 7                        | 243,007                       |                                  |
|             |                 |                                       | Speckled trout    |            |           |            |              |             | 3                        |                               | 1,562,045                        |

|      |                    |                                       |                    |               |            |             |           |            |       |             |             |
|------|--------------------|---------------------------------------|--------------------|---------------|------------|-------------|-----------|------------|-------|-------------|-------------|
| 1917 | (a) Spray lakes... | Spray Lakes, Alta.                    | Cutthroat trout... |               | 71,840     | 205,800     |           |            |       | 277,640     | 277,640     |
| 1927 | Lesser Slave lake  | Lesser Slave lake, Alta.              | Whitefish.....(b)  | 2,290,000     |            |             |           |            |       | 2,290,000   | 2,290,000   |
| 1916 | Cultus lake.....   | Cultus lake, B.C.                     | Sockeye salmon...  |               |            | 5,877,095   |           |            |       | 5,877,095   |             |
|      |                    |                                       | Steelhead salmon.  |               | 61,505     |             | 4,000     |            |       | 65,505      | 5,942,600   |
| 1917 | Pitt lake.....     | Pitt lake, B.C.                       | Sockeye salmon...  |               |            | 4,150,049   |           | 594,386    |       | 4,744,435   | 4,744,435   |
| 1906 | Pemberton.....     | Birkenhead river, B.C.                | Kamloops trout...  |               | 10,000     | 86,000      |           |            |       | 96,000      |             |
|      |                    |                                       | Sockeye salmon...  | (c) 7,507,000 |            | 21,450,000  |           |            |       | 28,957,000  | 29,053,000  |
| 1908 | Stuart lake.....   | Stuart lake, B.C.                     | Sockeye salmon...  | (b) 2,240,000 |            | 2,717,000   |           |            |       | 4,957,000   | 4,957,000   |
| 1903 | Lakelse lake.....  | Lakelse lake, B.C.                    | Kamloops trout...  |               | 150,000    |             |           |            |       | 150,000     |             |
|      |                    |                                       | Sockeye salmon...  | (b) 672,000   |            | 11,669,600  |           | 702,400    |       | 13,044,000  | 13,194,000  |
| 1908 | Babine lake.....   | Babine lake, B.C.                     | Sockeye salmon...  | (b) 750,000   |            | 5,078,004   |           | 1,857,770  |       | 7,685,774   | 7,685,774   |
| 1906 | Rivers Inlet.....  | Owikeno lake, B.C.                    | Sockeye salmon...  | 10,513,000    |            | 8,339,000   | 8,000     |            | 10    | 18,860,010  | 18,860,010  |
| 1911 | Anderson lake...   | Anderson lake, Vancouver Island.      | Sockeye salmon...  | (d) 5,005,000 |            | 3,239,661   |           | 5,353      |       | 8,250,014   | 8,250,014   |
| 1911 | Cowichan lake...   | Cowichan lake, Vancouver Island.      | Atlantic salmon... |               |            | 484,643     |           | 3,252      |       | 487,895     |             |
|      |                    |                                       | Cutthroat trout... |               | 80,000     | 200,410     |           |            |       | 280,410     |             |
|      |                    |                                       | Kamloops trout...  |               | 40,000     | 249,400     |           |            |       | 289,400     |             |
|      |                    |                                       | Speckled trout...  |               |            | 26,500      |           |            | 3,078 | 29,578      |             |
|      |                    |                                       | Spring salmon...   |               | 755,000    | 563,448     |           | 217,254    |       | 1,535,702   |             |
|      |                    |                                       | Steelhead salmon.  |               | 35,000     | 140,769     |           | 8,007      |       | 183,776     | 2,806,761   |
| 1911 | Kennedy lake....   | Kennedy lake, Vancouver Island.       | Sockeye salmon...  | 2,510,000     |            | 3,208,704   | 600,000   | 1,498,756  | 178   | 7,817,638   | 7,817,638   |
| 1914 | (a) Gerrard.....   | Trout lake, Kootenay district, B.C.   | Kamloops trout...  |               |            | 278,900     |           |            |       | 278,900     | 278,900     |
| 1922 | (a) Lloyds creek.  | Lloyds creek, Kamloops district, B.C. | Kamloops trout...  | 1,214,000     |            | 60,000      |           |            |       | 1,274,000   | 1,274,000   |
| 1923 | Nelson.....        | Nelson, B.C.                          | Kamloops trout...  |               | 270,000    | 246,220     |           |            |       | 516,220     |             |
|      |                    |                                       | Rainbow trout...   |               | 205,700    |             |           |            |       | 205,700     |             |
|      |                    |                                       | Speckled trout...  |               | 215,000    | 169,360     |           |            |       | 384,360     | 1,106,280   |
|      |                    |                                       |                    | 2,290,000     | 32,840,031 | 237,610,293 | 7,311,675 | 15,225,142 | 6,641 | 295,283,782 | 295,283,782 |

(a) Subsidiary hatchery.

(b) All of these were planted from the 1927 Fall collection.

(c) 7,506,000 of these were planted from the 1927 Fall collection.

(d) 2,002,000 of these were planted from the 1927 Fall collection.