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ANNUAL



# CANNED FOODS SUMMARY 1960



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## **SYMBOLS**

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- ' revised figures.

## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1960 are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

### Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value added by Manufacturing**

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

### **Short Forms**

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

## CANNED FOODS SUMMARY

### 1960

The Canned Foods Summary is an annual report combining production statistics from all sources of foods packed in cans or other air-tight containers. The items include food products such as meat, fish, fruits, vegetables, juices, concentrated milk, etc., but do not include canned beverages, dog food, etc.

Since the introduction, about 150 years ago, of canning as a method of food preservation, food processors have constantly sought to improve their production, not only through new and improved methods but also by adding to the variety of foods which may be successfully canned. The canning industry is of great importance economically as it gives work to nearly thirty thousand people annually. Related fields of transportation, merchandising, etc. employ many more workers proportionately. The commercial canning of foods has saved housewives many hours of needless toil and has helped keep the food budget within reasonable bounds. In addition, the canning industries are important from the standpoint of nutrition. Throughout the whole year, it is now possible to enjoy canned

foods with much of the flavour and all of the nourishment of fresh-cooked goods. The consumer is protected by the inspection services of the Department of Agriculture and the Department of Fisheries, Ottawa.

The commodities included here have been collected on the basis of "factory production" up to 1953. Beginning with 1954, however, all industries except Fish Processing have reported on a "factory shipments" basis. In 1936 value of production totalled 60,020 thousand dollars and has increased almost without interruption until 1959 when the value of factory shipments totalled 468,070 thousand dollars. For 1960 the shipments value totalled 424,243 thousand dollars.

The tables in this bulletin give volume and value of production or shipments of foods canned in Canada, as well as imports and exports of similar commodities. Tables 16 and 17 show per capita consumption of various canned foods from 1942 to date.

## FOODS AND BEVERAGES

TABLE 1. Gross Value of Production or Shipments of Principal Canned Foods, 1936-60<sup>1</sup>

Note: The values given here correspond to the quantities given in Table 2.

	Canned fish	Canned fruits	Canned vegetables	Canned meats <sup>2</sup>	Canned soups	Miscellaneous canned foods <sup>3</sup>	Concentrated milk products	Total
	thousands of dollars							
1936.....	15,564	5,319	14,093	1,551	6,256	9,802	7,435	60,020
1937.....	13,619	5,252	17,185	1,682	6,022	13,747	10,078	67,585
1938.....	16,297	4,556	14,640	1,834	7,743	12,982	11,845	69,897
1939.....	15,479	7,769	14,647	3,218	9,259	13,113	11,576	75,061
1940.....	17,873	6,741	18,988	2,902	6,912	17,209	14,479	83,104
1941.....	26,830	7,501	22,877	5,436	10,207	21,246	19,571	113,668
1942.....	31,943	6,057	22,777	8,368	8,851	20,131	24,488	122,615
1943.....	27,287	4,226	15,440	12,361	10,569	21,938	26,105	117,826
1944.....	26,046	6,549	27,063	25,678	14,757	31,950	27,829	159,872
1945.....	34,473	5,709	22,844	35,284	15,868	27,083	29,895	171,156
1946.....	39,114	12,000	31,361	43,711	25,093	40,637	32,969	224,885
1947.....	46,964	17,213	35,548	30,392	22,754	45,989	40,199	239,057
1948.....	42,149	14,904	48,521	26,960	17,991	51,714	54,216	256,455
1949.....	37,247	18,451	39,979	24,860	20,415	42,156	44,251	227,359
1950.....	42,948	18,554	39,877	28,986	26,683	46,550	47,077	250,675
1951.....	61,168	20,652	53,658	34,072	32,669	61,909	61,330	325,458
1952.....	40,794	14,681	60,594	81,774 <sup>4</sup>	34,673	65,114	61,755	359,385
1953.....	47,510	19,016	51,315	41,003	33,185	61,582	53,866	307,477
1954 <sup>5</sup> .....	50,851	23,482	52,140	33,721	34,105	63,922	54,322	312,543
1955.....	41,451	22,175	57,049	38,742	35,795	71,749	57,208	324,169
1956.....	45,435	23,290	59,605	37,023	41,853	76,201	61,234	344,641
1957.....	49,551	23,335	61,245	36,981	43,047	83,816	72,316	370,291
1958.....	71,507	22,216	60,178	38,103	47,827	95,121	84,476	419,428
1959.....	50,380	23,968	62,227	99,642 <sup>6</sup>	47,149	106,293	78,411	468,070
1960.....	41,622	23,807	70,109	43,381	51,974	109,368	83,982	424,243

See footnotes below.

TABLE 2. Volume of Production or Shipments of Principal Canned Foods, 1936-60<sup>1</sup>

	Canned fish	Canned fruits	Canned vegetables	Canned meats <sup>2</sup>	Canned soups	Miscellaneous canned foods <sup>3</sup>	Concentrated milk products	Total
	thousand pounds							
1936.....	114,117	65,646	254,420	8,734	71,838	130,830	109,814	753,399
1937.....	96,720	69,142	326,869	7,976	67,404	173,481	137,400	878,992
1938.....	107,584	64,373	290,720	8,733	79,751	150,273	157,924	859,358
1939.....	108,893	116,500	254,145	16,827	96,652	153,986	166,043	913,046
1940.....	132,124	102,459	289,250	14,839	71,110	208,574	193,126	1,011,482
1941.....	190,074	85,432	368,467	24,265	94,020	244,662	236,003	1,242,923
1942.....	198,339	60,696	330,786	30,978	81,473	221,579	260,667	1,184,518
1943.....	166,564	42,217	228,968	44,391	92,275	263,481	255,759	1,093,656
1944.....	144,960	70,003	395,408	94,477	124,893	363,204	270,660	1,463,605
1945.....	189,406	56,649	316,696	153,359	131,908	275,062	295,270	1,418,350
1946.....	180,623	108,354	414,447	210,099	204,669	425,484	301,498	1,845,174
1947.....	191,598	128,110	366,375	116,241	159,598	385,313	330,121	1,677,356
1948.....	121,938	101,336	503,918	75,819	125,913	464,956	388,864	1,782,744
1949.....	96,860	127,165	408,075	58,550	123,057	441,125	357,273	1,612,105
1950.....	104,219	125,455	376,236	64,845	172,046	337,562	378,672	1,559,035
1951.....	133,382	134,374	447,682	66,764	201,587	414,490	431,245	1,829,524
1952.....	92,790	100,489	514,922	150,541 <sup>4</sup>	202,957	445,176	465,264	1,972,149
1953.....	124,745	122,189	446,677	75,182	192,817	400,100	440,285	1,801,995
1954 <sup>5</sup> .....	116,186	147,597	441,281	68,029	212,398	439,420	453,249	1,876,140
1955.....	84,274	149,585	489,597	86,195	223,261	503,962	473,852	2,010,726
1956.....	82,589	141,977	474,924	79,015	230,573	513,296	493,220	2,015,594
1957.....	97,071	148,851	489,804	80,795	264,522	541,486	520,054	2,142,583
1958.....	116,622	140,785	477,509	80,045	264,596	607,617	609,509	2,296,683
1959.....	82,982	147,846	486,185	187,920 <sup>6</sup>	266,980	651,860	609,241	2,433,014
1960.....	61,567	147,238	540,352	94,208	269,136	692,839	619,616	2,424,956

<sup>1</sup> Includes Newfoundland beginning 1951, except canned fish.<sup>2</sup> Includes meat, chicken, ready dinners, and meat pastes.<sup>3</sup> Includes juices, pie fillings, jams, mincemeat, etc.<sup>4</sup> Increased production in 1952 is due to government controlled canning programs.<sup>5</sup> Commencing 1954 these figures represent "shipments" instead of "production", except canned fish.<sup>6</sup> Government-held stocks were released for sale through meat packing firms.

## Imports and Exports

Imports of canned foods during 1960 were valued at 64,221 thousand dollars. Fruits not grown in Canada or grown only in limited areas by reason of climatic conditions form the most important items of import, e.g., pineapple, apricots. For the same reason citrus fruit juices are being imported in increasingly large quantities.

The exports of canned foods during 1960 amounted to 52,067 thousand dollars with canned fish, canned meat, and concentrated milk products making up 87.5% of this amount. The following tables summarize the imports and exports of canned foods by groups for significant years from 1939 to 1960.

TABLE 3. Imports of Canned Foods, Calendar Year 1939-60

	Canned fish	Canned fruits	Canned vegetables	Canned meats	Soup and soup preparations	Miscellaneous canned foods	Concentrated milk products	Total
	thousands of dollars							
1939 .....	1,300	1,109	316	1,001	14	648	74	4,462
1940 .....	881	1,232	511	843	11	1,032	180	4,690
1945 .....	50	53	336	105	89	828	98	1,539
1946 .....	337	293	536	2	305	7,480	502	9,455
1947 .....	1,393	3,218	2,852	103	271	5,554	978	14,369
1948 .....	1,378	3,191	311	140	7	4,235	175	9,437
1949 .....	2,194	5,087	78	2,656	3	8,243	99	18,360
1951 .....	2,834	9,675	1,848	7,482	80	8,538	885	31,342
1952 .....	2,919	9,464	3,477	4,648	130	9,608	149	30,395
1953 .....	3,744	10,110	2,171	3,943	252	13,894	133	34,047
1954 .....	4,137	12,548	2,468	5,107	250	16,529	84	41,123
1955 .....	4,912	11,876	3,213	4,988	336	19,437	162	44,924
1956 .....	10,482	12,237	4,281	4,158	1,101	25,059	352	57,870
1957 .....	9,065	14,501	5,074	6,024	770	27,506	1,347	64,287
1958 .....	8,735	15,898	3,697	6,386	685	30,889	314	66,564
1959 .....	7,162	15,963	3,482	6,812	677	31,892	319	88,107
1960 .....	7,816	17,205	3,892	4,445	794	29,758	313	64,221

TABLE 4. Exports of Canned Foods, Calendar Years 1939-60

	Canned fish	Canned fruits	Canned vegetables	Canned meats	Canned soups	Miscellaneous canned foods	Concentrated milk products	Total
	thousands of dollars							
1939 .....	11,549	3,090	2,907	832	3,600	1,769	3,295	27,042
1940 .....	11,669	1,833	2,534	782	805	810	4,299	22,732
1945 .....	23,865	1,422	1,588	21,752	537	885	12,218	62,287
1946 .....	30,427	1,833	1,613	27,125	1,072	3,485	9,911	75,286
1947 .....	31,511	2,882	1,385	19,778	1,780	3,058	12,010	72,404
1948 .....	21,044	655	845	10,612	896	845	18,622	51,519
1949 .....	17,397	1,111	365	4,890	587	796	11,988	38,934
1951 .....	16,192	178	2,386	8,753	996	854	9,701	37,060
1952 .....	13,986	121	299	11,114	897	748	13,668	40,853
1953 .....	18,374	121	205	16,679	735	810	11,137	48,061
1954 .....	27,835	405	430	17,586	724	944	8,536	56,460
1955 .....	20,199	957	561	9,954	459	1,351	8,680	42,161
1956 .....	19,628	956	871	7,698	861	1,108	9,744	40,666
1957 .....	18,014	532	394	3,897	975	952	7,891	30,655
1958 .....	35,624	1,432	423	4,402	1,060	979	11,414	55,334
1959 .....	27,998	1,166	861	4,358	1,474	1,108	17,940	54,905
1960 .....	17,773	446	736	9,904	4,127	1,212	17,867	52,067

TABLE 5. Factory Shipments of Canned Foods, Canada, 1959 and 1960

	1959		1960	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	Net weight of contents in pounds		Net weight of contents in pounds	
		\$		\$
<b>Fish canned:<sup>1</sup></b>				
Clams .....	1,006,827	514,200	1,398,552	623,900
Ground fish total .....	1,680,396	365,100	1,880,088	404,700
Herring .....	2,294,229	534,300	1,822,356	401,500
Herring, kippered snacks .....	737,740	283,200	1,218,840	465,500
Lobster .....	1,551,990	3,917,900	1,979,100	4,945,600
Lobster tomalley and paste .....	287,550	210,900	365,364	238,000
Mackerel .....	97,215	24,800	169,380	45,700
Quahaugs .....	9,435	11,000	4,710	4,100
Salmon .....	51,731,382	34,468,200	30,299,232	22,769,900
Sardines .....	15,266,560	7,129,500	18,580,980	9,011,800
Tuna .....	6,836,940	1,996,400	2,093,532	1,661,300
All other .....	1,481,256	924,600	1,754,697	1,049,900
<b>Totals .....</b>	<b>82,981,520</b>	<b>50,380,100</b>	<b>61,566,831</b>	<b>41,621,900</b>
<b>Fruits, canned:<sup>2</sup></b>				
Apples, including crabapples .....	10,254,065	1,224,050	11,064,325	1,143,504
Apple sauce .....	14,312,164	1,479,616	14,874,728	1,692,964
Apricots .....	4,705,374	997,369	4,622,052	913,938
Blackberries .....	"	"	"	"
Blueberries .....	1,496,422	378,659	1,051,013	262,318
Cherries .....	8,736,518	1,647,399	8,131,389	1,689,242
Fruit cocktail and fruits for salad .....	8,688,816	1,701,795	7,360,106	1,543,044
Loganberries .....	"	"	"	"
Peaches .....	49,156,136	8,105,312	47,638,443	7,879,178
Pears, Bartlett .....	11,274,506	2,333,961	13,307,968	2,641,310
Pears, Kieffer .....	19,861,314	2,671,033	19,859,435	2,502,543
Plums, gages, etc. ....	8,066,271	914,406	7,709,580	966,403
Raspberries .....	2,330,155	649,112	3,115,939	780,678
Rhubarb .....	"	"	"	"
Strawberries .....	2,571,990	684,563	2,996,393	762,612
All other fruits .....	6,392,314	1,181,211	5,506,360	1,029,067
<b>Totals .....</b>	<b>147,846,045</b>	<b>23,968,486</b>	<b>147,237,731</b>	<b>23,807,001</b>
<b>Vegetables, canned:<sup>3</sup></b>				
Asparagus .....	4,671,047	1,501,426	5,214,559	1,773,726
Beans, green or wax .....	49,886,224	5,848,872	52,680,245	8,477,813
Beans, baked .....	108,333,118	14,036,111	109,884,151	14,545,421
Beans, lima .....	1,954,734	294,717	1,800,282	265,702
Beets .....	8,691,073	946,333	12,971,848	1,444,791
Carrots .....	5,168,898	446,837	6,345,534	556,510
Carrots and peas combined .....	6,245,081	941,700	6,918,188	1,033,042
Com, cream, whole grain .....	86,352,785	11,495,533	78,495,835	11,518,139
Corn on the cob .....	2,559,214	245,639	2,381,503	315,517
Mixed vegetables (macedoine) .....	8,262,596	1,071,348	9,810,301	1,159,500
Mushrooms .....	4,928,937	2,446,055	5,825,958	2,859,085
Peas .....	93,321,238	11,815,440	106,646,317	13,885,782
Potatoes, Irish .....	2,923,473	303,378	3,746,910	397,410
Pumpkin and squash .....	7,311,005	605,876	9,422,651	733,592
Sauerkraut .....	"	"	"	"
Spinach .....	"	"	"	"
Tomatoes .....	74,978,543	7,886,535	107,326,649	10,708,000
All other vegetables .....	20,596,959	2,341,245	20,879,343	2,435,247
<b>Totals .....</b>	<b>486,184,925</b>	<b>62,227,245</b>	<b>540,352,274</b>	<b>70,109,277</b>

See footnotes at end of table.



TABLE 5. Factory Shipments of Canned Foods, Canada, 1959 and 1960 - Concluded

	1959		1960	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	Net weight of contents in pounds		Net weight of contents in pounds	
		\$		\$
<b>Meats, canned, all kinds:<sup>1</sup></b>				
Beef .....	4,483,889	3,043,498	4,029,763	2,374,202
Beef stews and dinners .....	28,685,738	6,796,215	31,769,362	7,474,494
Pork .....	137,270,338	80,074,786	41,008,531	23,454,899
Poultry .....	7,404,481	4,870,201	5,316,507	3,589,979
Paste .....	5,045,704	2,546,017	5,711,833	2,883,085
Miscellaneous .....	5,030,135	2,310,721	8,371,746	3,604,965
<b>Totals .....</b>	<b>187,920,283</b>	<b>99,641,438</b>	<b>94,207,742</b>	<b>43,381,624</b>
<b>Other fruit and vegetable products:</b>				
Juices:				
(a) Tomato .....	166,947,313	13,392,938	174,781,069	14,627,365
(b) Apple .....	89,580,320	5,804,469	91,771,911	6,754,670
(c) Grape .....	"	"	"	"
(d) Other fruit .....	"	"	"	"
Fruit drinks .....	47,629,820 <sup>2</sup>	4,383,310	60,713,388	5,048,156
Pie fillings:				
(a) Apple .....	9,822,058	1,253,998	11,448,366	1,606,486
(b) Other fruit .....	19,714,671	4,667,427	21,561,124	5,028,161
Infants foods:				
(a) Fruit puddings, custards etc. ....	"	"	"	"
(b) Vegetables .....	"	"	"	"
(c) Soups and dinners .....	"	"	"	"
(d) All other, including cereals .....	73,456,362	23,853,171	74,284,525	24,414,020
Soups, all kinds, except infants .....	266,980,327	47,149,167	269,293,647	52,003,640
Spaghetti, macaroni etc. ....	37,458,684	4,814,036	37,255,646	5,223,277
Tomato pulp, paste and purée .....	4,056,388	386,959	3,352,388	361,242
Tomato catsup .....	39,508,411	8,741,415	48,089,208	10,403,921
Jams .....	84,382,240	17,291,067	88,203,979	18,619,529
Jellies .....	7,868,035	1,893,291	8,231,849	2,045,856
Marmalades .....	20,761,677	4,120,378	20,847,444	4,233,875
Mince-meat .....	6,107,631	1,192,827	5,929,383	1,200,707
All other fruit and vegetable products, mainly canned	42,342,510	13,867,627	46,363,945	9,801,217
<b>Totals .....</b>	<b>917,066,460</b>	<b>152,812,080</b>	<b>962,132,872</b>	<b>161,372,122</b>
<b>Concentrated milk products:</b>				
Condensed milk:				
Case goods .....	14,382,671	2,127,103	12,962,521	1,753,543
Bulk goods .....				
Evaporated milk:				
Case goods .....	300,701,342	37,573,422	305,068,556	40,676,048
Bulk goods .....	16,212,330	2,621,640	21,048,021	3,039,299
Whole milk powder .....	21,144,794	6,920,652	35,382,331	10,592,752
Condensed skim milk .....	3,956,117	436,973	3,966,648	303,512
Evaporated skim milk .....	15,312,356	960,822	3,922,742	212,405
Skim milk powder .....	188,526,036	28,211,559	175,510,335	19,629,587
Buttermilk powder .....	7,882,354	606,712	7,744,082	573,848
Casein .....	3,836,111	1,065,832	7,327,751	1,654,117
Whey powder .....	13,619,443	886,899	10,570,469	606,082
Unclassified products of a variable fat content .....	22,775,625	2,904,931	34,001,470	4,531,194
Cream powder, lactose (milk sugar), malted milk powder, condensed buttermilk .....	1,159,966	159,850	2,359,418	269,353
<b>Totals .....</b>	<b>609,509,147</b>	<b>84,476,395</b>	<b>619,864,364</b>	<b>84,041,720</b>

<sup>1</sup> These figures are for production, not factory shipments and are not identical with those published in the Fish Processing Industry report which includes domestic canners and some estimated figures. Newfoundland not included.

<sup>2</sup> Fruits and vegetables canned by domestic or home canners are not included.

<sup>3</sup> Included under "All other fruits".

<sup>4</sup> Included under "All other vegetables".

<sup>5</sup> Government-held stocks were released for sale through meat-packing firms.

<sup>6</sup> Included under "All other fruit and vegetable products, mainly canned".

<sup>7</sup> Included under "Infants foods, other".

TABLE 6. Factory Shipments of Canned Foods, by Provinces, 1960<sup>1</sup>

No.		Quebec	
		Quantity	Selling value at factory
		Net weight of contents in pounds	
			\$
	<b>Fish, canned:<sup>2</sup></b>		
1	Clams .....	45,000	46,800
2	Ground fish total .....	1,302	500
3	Herring .....	1,950	400
4	Herring, kippered snacks .....	—	—
5	Lobster .....	239,670	554,500
6	Lobster tomalley and paste .....	39,960	27,500
7	Mackerel .....	12,375	2,900
8	Quahaugs .....	1,500	800
9	Salmon .....	3,120	1,200
10	Sardines .....	—	—
11	Tuna .....	—	—
12	All other .....	6,276	5,800
13	<b>Totals</b> .....	<b>351,153</b>	<b>640,400</b>
	<b>Fruits, canned:<sup>3</sup></b>		
14	Apples, including crabapples .....	—	—
15	Apple sauce .....	4	4
16	Apricots .....	—	—
17	Blackberries .....	—	—
18	Blueberries .....	4	4
19	Cherries .....	—	—
20	Fruit cocktail and fruits for salad .....	—	—
21	Loganberries .....	—	—
22	Peaches .....	—	—
23	Pears, Bartlett .....	—	—
24	Pears, Kieffer .....	—	—
25	Plums, gages, etc. ....	—	—
26	Raspberries .....	4	4
27	Rhubarb .....	—	—
28	Strawberries .....	4	4
29	All other fruits .....	4,769,121	876,476
30	<b>Totals</b> .....	<b>4,769,121</b>	<b>878,476</b>
	<b>Vegetables, canned:<sup>3</sup></b>		
31	Asparagus .....	—	—
32	Beans, green or wax .....	33,061,363	3,815,957
33	Beans, baked .....	—	—
34	Beans, lima .....	—	—
35	Beets .....	1,899,770	146,644
36	Carrots .....	2,969,736	216,517
37	Carrots and peas combined .....	—	—
38	Corn, cream, whole grain .....	19,395,829	2,814,247
39	Corn on the cob .....	—	—
40	Mixed vegetables (macedoine) .....	6,660,266	661,352
41	Mushrooms .....	—	—
42	Peas .....	33,202,139	4,170,083
43	Pumpkin and squash .....	—	—
44	Sauerkraut .....	—	—
45	Spinach .....	—	—
46	Tomatoes .....	—	—
47	All other vegetables .....	48,847,801	6,516,797
48	<b>Totals</b> .....	<b>146,030,904</b>	<b>18,141,597</b>

<sup>1</sup> Factory shipments of canned meats, other fruit and vegetable products, and concentrated milk products not available by provinces. See Table 7 for production of meats and other fruit and vegetable products.

<sup>2</sup> These figures are for production not factory shipments and are not identical with those published in the Fish Processing Industry report which includes domestic canners and some estimated figures, Newfoundland not included.

<sup>3</sup> Fruits and vegetables canned by domestic or home canners are not included.

TABLE 6. Factory Shipments of Canned Foods, by Provinces, 1960<sup>1</sup>

Ontario		British Columbia		Other provinces		No.
Quantity	Selling value at factory	Quantity	Selling value at factory	Quantity	Selling value at factory	
Net weight of contents in pounds		Net weight of contents in pounds		Net weight of contents in pounds		
	\$		\$		\$	
-	-	1,224,192	460,000	129,360	97,100	1
-	-	-	-	1,878,786	404,200	2
-	-	62,496	11,100	1,757,910	390,000	3
-	-	-	-	1,218,840	465,500	4
-	-	-	-	1,739,430	4,391,100	5
-	-	-	-	325,404	210,500	6
-	-	-	-	157,005	42,800	7
-	-	-	-	3,210	3,300	8
-	-	30,295,200	22,767,800	912	900	9
-	-	-	-	18,580,980	9,011,800	10
-	-	2,087,952	1,658,200	5,580	3,100	11
-	-	1,246,512	957,300	501,909	86,800	12
-	-	34,916,352	25,874,400	26,299,326	15,107,100	13
1,957,360	193,267	595,218	57,659	8,511,747	892,578	14
10,467,092	1,194,838	4	4	1,488,450	197,705	15
4	4	4	4	-	-	16
-	-	4	4	-	-	17
4	4	4	4	4	4	18
6,761,681	1,331,894	1,369,708	357,348	-	-	19
4	4	4	4	-	-	20
-	-	4	4	-	-	21
89,206,881	6,175,861	8,431,562	1,703,317	-	-	22
7,125,163	1,442,962	4	4	4	4	23
19,004,624	2,377,542	4	4	4	4	24
3,887,348	476,942	3,822,232	489,461	-	-	25
1,837,910	433,743	4	4	-	-	26
4	4	4	4	-	-	27
1,467,728	385,882	1,493,072	370,729	4	4	28
7,475,797	1,517,496	16,253,906	3,129,572	1,311,133	199,729	29
99,191,582	15,530,427	31,965,698	6,108,086	11,311,330	1,290,012	30
4,294,743	1,468,259	5	5	-	-	31
4,407,230	539,809	7,765,769	1,190,897	7,445,883	931,150	32
71,598,832	9,704,561	9,274,371	1,074,928	5	5	33
5	5	5	5	5	5	34
10,096,276	1,169,121	5	5	5	5	35
2,975,154	296,254	5	5	5	5	36
1,834,209	280,924	5	5	5	5	37
45,784,076	7,130,563	5	5	5	5	38
5	5	5	5	5	5	39
4,085,488	1,904,277	5	5	306,194	55,290	40
51,071,103	6,402,385	7,011,064	1,105,334	15,364,011	2,207,980	42
8,079,269	607,209	5	5	5	5	43
5	5	5	5	5	5	44
5	5	5	5	5	5	45
83,966,548	8,271,867	5	5	5	5	46
23,153,915	2,682,695	12,171,861	2,125,633	23,629,374	2,818,544	47
311,346,843	40,457,924	36,223,065	5,496,792	46,745,462	6,012,964	48

<sup>1</sup> Included under "All other fruits".

<sup>2</sup> Included under "All other vegetables".

Note: Provincial breakdown of shipments of items on page 11 not available. See Table 7 for production.

TABLE 7. Production of Canned Fruits, Vegetables and Preparations, by Geographical Areas, 1960

Note: The following production figures are final. They have been reproduced from current pack reports and include all necessary revisions. All data is compiled on a calendar year basis except apples and apple products which are crop year.

No.		Canada		Ontario	
		Cases	Net weight of contents in pounds	Cases	Net weight of contents in pounds
1	<b>Total fruits, canned</b> .....	<b>5,314,001</b>	<b>151,116,127</b>	<b>3,289,167</b>	<b>95,158,356</b>
2	Apples, including crabapples .....	321,940	12,628,612	38,729	1,510,141
3	Apple sauce .....	436,678	11,018,953	286,305	7,068,939
4	Apricots .....	192,909	5,134,323	1	1
5	Blueberries .....	29,144	829,236	1	1
6	Cherries .....	308,572	7,818,585	248,795	6,365,317
7	Fruit cocktail and fruit salad .....	309,855	8,824,577	1	1
8	Loganberries .....	1	1	—	—
9	Peaches .....	1,744,255	50,613,531	1,280,272	38,845,575
	Pears:				
10	Bartlett .....	616,878	15,897,933	1	1
11	Kieffer, etc. ....	583,178	18,869,956	561,255	18,195,839
12	Plums, gages, etc. ....	251,718	7,136,640	135,644	3,812,929
13	Raspberries .....	145,484	3,534,703	80,755	1,995,883
14	Rhubarb .....	1	1	1	1
15	Strawberries .....	149,182	3,323,792	70,389	1,522,323
16	All other fruits .....	224,208	5,485,286	587,023	15,841,410
17	<b>Total vegetables, canned</b> .....	<b>15,413,241</b>	<b>538,434,467</b>	<b>8,552,821</b>	<b>305,034,934</b>
18	Asparagus .....	276,865	5,307,538	229,978	4,442,641
19	Beans, green .....	721,959	19,776,314	2	2
20	Beans, wax .....	1,128,409	31,894,506	2	2
21	Beans, baked, etc. ....	...	107,206,621	—	71,197,388
22	Beans, lima .....	86,475	1,970,001	2	2
23	Beets .....	576,842	16,009,462	496,387	13,858,564
24	Carrots .....	263,737	7,938,027	136,661	3,683,780
25	Carrots and peas combined .....	334,339	7,693,698	114,192	2,416,965
26	Corn on the cob .....	105,015	3,195,391	2	2
27	Corn, cream, whole grain, etc. ....	3,520,166	83,517,744	2,148,053	46,942,346
28	Mixed vegetables (macedoine) .....	336,468	9,187,850	2	2
29	Mushrooms .....	309,332	5,477,958	212,958	3,547,584
30	Peas .....	3,970,206	102,720,953	1,846,883	44,430,399
31	Pumpkin and squash .....	188,937	6,898,552	149,003	5,449,320
32	Sauerkraut .....	2	2	2	2
33	Spinach .....	2	2	2	2
34	Tomatoes .....	2,918,901	115,910,233	2,283,296	69,105,924
35	All other vegetables .....	675,590	13,729,619	935,410	20,160,023
	<b>Other products, canned, bottled, etc.:</b>				
36	Poultry (chicken, turkey etc.) .....	...	2,816,115	...	2
37	Meats .....	...	39,097,617	...	2
38	Ready dinners, stews etc. ....	...	23,334,605	...	2
39	Paste (meat, chicken etc.) .....	...	4,792,748	...	2
40	Soups, all kinds .....	16,498,523	288,064,203	14,314,099	249,924,168
41	Spaghetti and macaroni .....	...	37,215,490	...	29,491,914
42	Infants foods .....	...	68,520,852	...	2
43	Pre-cooked cereal for infants .....	...	8,384,920	...	2
44	Tomato juice .....	5,797,626	182,445,525	5,527,754	173,626,825
45	Mixed vegetable juices .....	2	2	2	2
46	Tomato pulp, paste and purée .....	339,297	7,155,965	295,713	6,132,997
47	Tomato catsup .....	...	57,496,760	...	54,533,682
48	Pie filling (apple) .....	325,754	11,073,702	219,436	7,756,532
49	Pie filling (cherry, peach, berry etc.) .....	575,801	15,337,356	493,095	15,595,370
50	Apple juice .....	2,079,526	74,403,559	397,333	14,019,292
51	Fruit juices, other than apple .....	2	2	2	2

See footnotes at end of table.

**TABLE 7. Production of Canned Fruits, Vegetables and Preparations, by Geographical Areas, 1960**

Note: The following production figures are final. They have been reproduced from current pack reports and include all necessary revisions. All data is compiled on a calendar year basis except apples and apple products which are crop year.

Quebec		British Columbia		Atlantic Provinces		Prairie Provinces		No.
Cases	Net weight of contents in pounds	Cases	Net weight of contents in pounds	Cases	Net weight of contents in pounds	Cases	Net weight of contents in pounds	
167,110	4,117,104	1,533,655	39,824,147	324,069	12,016,520			1
1	1	1	1	239,549	9,435,753			2
1	1	1	1	47,754	1,454,654			3
		1	1					4
1	1	1	1	1	1			5
		59,777	1,453,268					6
		1	1					7
		1	1					8
		463,983	11,767,956					9
		312,788	7,899,369	1	1			10
		1	1	1	1			11
		116,074	3,323,711					12
		64,729	1,538,820					13
		1	1	1	1			14
1	1	1	1	1	1			15
167,110	4,117,104	516,304	13,841,023	36,766	1,126,113			16
4,650,130	157,594,322	934,401	35,596,870	310,752	13,951,322	965,137	26,257,019	17
1	1	1	1					18
407,326	11,367,971	151,335	3,654,019	1	1	1	1	19
837,939	23,775,987	1	1	1	1	96,502	2,549,484	20
			12,435,613		1		1	21
		1	1					22
37,630	1,290,791	1	1			1	1	23
113,336	3,643,838	1	1			1	1	24
1	1	1	1			1	1	25
97,321	2,993,325					1	1	26
898,802	24,742,230	1	1			1	1	27
190,388	6,000,510	1	1			1	1	28
1	1	1	1			1	1	29
1,253,086	36,734,361	312,057	7,226,846	189,430	4,910,506	368,750	9,418,841	30
1	1	1	1			1	1	31
1	1	1	1	1	1	1	1	32
1	1	1	1					33
1	1	1	1					34
614,302	47,045,309	471,009	12,280,392	121,322	9,040,816	499,885	14,288,694	35
	1		1		1		1	36
	1		1		1		1	37
	1		1		1		1	38
	1		1		1		1	39
1	1	1	1			1	1	40
	1		1				1	41
	1						1	42
	1							43
269,872	8,818,700							44
	1		1					45
1	1	1	1	1	1			46
1	1	1	1	1	1			47
1	1	1	1	1	1			48
1	1	1	1	1	1			49
1	1	1	1	572,897	19,895,115			50
								51

See footnotes at end of table.

TABLE 7. Production of Canned Fruits, Vegetables and Preparations, by Geographical Areas, 1960 — Concluded

Note: The following production figures are final. They have been reproduced from current pack reports and include all necessary revisions. All data is compiled on a calendar year basis except apples and apple products which are crop year.

	Canada	Ontario	Quebec	British Columbia	Atlantic Provinces	Prairie Provinces
<b>Other products:</b>						
Fruits for reprocessing:						
SO <sub>2</sub> .....	4,289,237	2,393,074	—	1,896,163	—	—
Other (frozen) .....	7,260,309	1,460,837	'	3,657,488	'	—
Fruits frozen, not for reprocessing .....	26,318,005	5,337,947	'	15,186,423	'	—
Vegetables frozen, not for reprocessing .....	14,369,559	1,891,691	1,039,066	5,762,837	'	'
Vegetables frozen for reprocessing .....	42,651,530	18,030,560	866,116	11,737,209	'	'
Fruit peel, candied .....	3,667,968	'	'	'	—	—
Maraschino cherries .....	3,648,956	2,638,694	'	'	—	—
Fruits, crystallized and glacé:						
Cherries .....	2,746,889	2,177,960	'	'	—	—
Other .....	1,496,675	'	'	'	—	—
Horseradish .....	662,820	'	'	—	—	'
Jams .....	84,152,264	31,748,856	29,474,484	22,414,568	'	'
Jellies .....	7,979,267	4,735,214	2,885,681	'	'	—
Marmalades .....	20,819,822	14,612,131	1,621,256	4,549,496	'	'
Mincemeat .....	6,142,874	3,603,789	'	1,806,738	—	'
Mustard prepared .....	1,663,265	428,963	1,082,124	'	'	'
Olives bottled .....	1,085,608	562,952	'	'	—	—
Pickles, relishes and sauces except Chili sauce .....	10,990,254	6,594,607	2,792,836	1,031,353	'	'
Powders, jelly .....	17,402,001	'	'	'	'	'
Peanut butter .....	35,552,477	20,272,851	4,312,404	6,599,899	'	'
Salad and mayonnaise dressing .....	34,841,200	'	'	'	'	'
Sandwich spread .....	3,917,206	'	'	'	—	—
Syrups, fountain and fruit .....	1,303,004	1,034,933	202,997	'	'	'
Syrups, table .....	625,026	64,684	370,564	112,465	'	'
Vinegar, made for sale:						
Spirit .....	8,884,660	4,856,475	'	'	'	'
Cider .....	498,406	338,980	'	—	'	—
Malt .....	'	'	—	—	—	—

<sup>1</sup> Included in "All other fruits".

<sup>2</sup> Included in "All other vegetables".

<sup>3</sup> Not available in accordance with the confidential clauses of the Statistics Act.

Fish Canning

The principal varieties of fish used in Canadian canneries are, in order of their importance: salmon, sardines, lobsters, herring, and clams.

**Salmon Canning**—The canning of salmon in Canada is an industry confined almost wholly to the province of British Columbia, where this river-spawning fish of the Pacific coast is taken in abundance. Annual records of the salmon pack extend to 1876, when the number of cases was 9,847. The annual pack in recent years has, with few exceptions, exceeded a million cases, and in each of four years (1926, 1928, 1930 and 1941) was more than two million cases. The pack of 1960 totalled 631,234 cases, valued at \$22,769,900. Under regulations made by Order in Council of April 4, 1932, canned salmon

shipped out of the province must be inspected and graded according to quality, and each can must carry a letter representing the species of salmon.

Every species of salmon known to the waters of the Pacific is to be found on the British Columbia Coast—the sockeye, the spring, the coho, pink and the chum salmon. Of these, the sockeye, is by far the most important, owing to its abundance, its deep red colour and its excellent texture which have created so keen a demand in British and foreign markets. The chief sources of supply are the Fraser River, the Skeena River and other northern waters. The remaining species are all marketable in quality though not commanding the high prices reached by the sockeye.

TABLE 8. Production of Canned Salmon in Canada, 1876-1960

Year	Cases of 48 lbs.	Year	Cases of 48 lbs.	Year	Cases of 48 lbs.
1876	9,847	1934	1,584,593	1950	1,493,130
1885	108,517	1938	1,708,835	1951	1,957,105
1890	409,464	1939	1,539,794	1952	1,304,933
1895	586,395	1940	1,471,435	1953	1,826,072
1900	606,530	1941	2,298,280	1954	1,743,887
1905	1,187,822	1944	1,099,852	1955	1,411,110
1910	762,201	1945	1,740,591	1956	1,115,388
1915	1,133,381	1946	1,350,358	1957	1,424,794
1925	1,719,282	1947	1,529,305	1958	1,900,353
1930	2,223,469	1948	1,310,842	1959	1,077,737
1931	686,897	1949	1,436,536	1960	631,234

TABLE 9. Production of Canned Salmon in the Province of British Columbia, by Species, 1947-60

Species	1947	1948	1952	1953	1954	1955	1956	1957	1958	1959	1960
	cases										
Sockeye	286,109	260,644	449,495	510,147	680,718	249,385	320,096	228,452	1,074,304	256,171	226,844
Spring, red	3,840	10,002	5,104	7,481	3,677	4,136	6,122	4,044	2,775	3,308	1,572
Spring, pink	2,166	890	106	355	2,330	8,456	4,335	2,581	4,422	6,334	2,492
Spring, white	3,498	4,881	2,640	4,130	6,470	5,503	2,811	3,229	3,242	5,586	1,851
Blueback	4,545	20,396	5,582	2,056	4,302	10,544	10,549	12,147	11,103	10,114	23,345
Steelhead	3,268	5,576	3,762	3,030	3,734	1,589	1,253	1,318	1,205	1,256	504
Coho	139,620	186,810	59,371	108,109	123,777	175,178	201,566	180,911	120,424	202,991	66,159
Pink	599,883	321,720	679,182	794,764	335,550	831,253	363,933	751,609	451,802	458,596	219,564
Chum	461,800	496,553	91,887	394,113	580,574	124,769	204,071	239,641	230,636	133,129	86,819
Jack spring	430	665	1,428	1,083	1,604	—	445	626	265	—	—
<b>Totals</b>	<b>1,505,157</b>	<b>1,308,137</b>	<b>1,298,557</b>	<b>1,825,268</b>	<b>1,742,736</b>	<b>1,410,795</b>	<b>1,115,181</b>	<b>1,424,558</b>	<b>1,900,178</b>	<b>1,077,487</b>	<b>631,150</b>

**Lobster Canning**—The lobster is found in Canada in Atlantic Coast waters only, and the lobster canning industry is confined to the eastern Maritime Provinces, with Prince Edward Island as the chief producer. The annual pack of lobster in the early years of the present century frequently exceeded two hundred thousand cases, but in recent years, the output has been below that figure, the trend being towards the sale of lobsters "in shell" to the United States market. In 1960

the pack of lobster was 41,225 cases, and the value amounted to \$4,945,600.

In order to conserve the fisheries the Government prohibits the capture of lobsters of less than a fixed minimum size, and also makes provision for the closing to lobster fishing of such areas and for such periods in each year as may be deemed advisable.

TABLE 10. Production of Canned Lobsters, 1897-1960

Year	Cases of 48 pounds	Year	Cases of 48 pounds
1897.....	231,886	1945.....	65,525
1900.....	219,756	1946.....	71,280
1905.....	219,534	1947.....	49,820
1910.....	183,094	1948.....	60,770
1915.....	162,966	1949.....	58,999
1920.....	163,299	1950.....	70,327
1925.....	127,497	1951.....	63,980
1930.....	139,109	1952.....	59,386
1935.....	99,905	1953.....	75,020
1936.....	88,102	1954.....	57,678
1937.....	88,581	1955.....	40,636
1938.....	92,004	1956.....	59,908
1939.....	85,693	1957.....	36,730
1940.....	58,996	1958.....	34,542
1941.....	58,517	1959.....	32,333
1944.....	66,834	1960.....	41,225

**Sardine Canning**—Sardine is the name given to the young herring that is used for canning. New Brunswick produces almost the entire Canadian pack of canned sardines and in that province it is the leading fishing industry. The number

of sardine canneries is small, but those in operation are of large size. In 1960 the pack totalled 929,049 twenty pound cases valued at \$9,011,800. There is an important market abroad for Canadian sardines, and large quantities are exported annually.

TABLE 11. Production of Canned Sardines, 1917-60

Year	Cases of 20 pounds	Year	Cases of 20 pounds
1917.....	168,365	1939.....	539,486
1918.....	177,193	1940.....	504,140
1919.....	119,225	1941.....	614,222
1920.....	129,925	1943.....	545,510
1921.....	111,835	1944.....	526,767
1922.....	121,800	1945.....	474,176
1923.....	268,800	1946.....	641,841
1924.....	282,306	1947.....	914,117
1925.....	209,649	1948.....	855,877
1926.....	217,592	1949.....	589,542
1927.....	240,091	1950.....	723,760
1928.....	257,881	1951.....	667,081
1929.....	329,204	1952.....	633,003
1930.....	244,238	1953.....	440,637
1931.....	202,520	1954.....	829,876
1932.....	113,197	1955.....	449,529
1933.....	180,597	1956.....	833,353
1934.....	268,091	1957.....	736,702
1935.....	338,436	1958.....	802,454
1936.....	393,854	1959.....	763,328
1937.....	423,043	1960.....	929,049
1938.....	349,867		

#### Fruit and Vegetable Canning

The canning of fruits and vegetables is carried on most extensively in the provinces of Ontario, British Columbia and Quebec, where climatic conditions are favourable for the growing of fruits and vegetables. The canning season begins in June and continues throughout the summer and autumn until October,

being at its height in July, August and September. For detailed statistics of factory shipments of canned fruits and vegetables, by provinces, see Table 6. Production of similar commodities by geographical areas is given in Table 7.



TABLE 12. Imports of Canned Fruits, Vegetables, Juices, etc., Calendar Years 1959 and 1960  
(Taken from "Trade of Canada" and includes weight of containers)

	1959		1960	
	Quantity	Value	Quantity	Value
<b>Canned vegetables:</b>		\$		\$
Asparagus .....	lb. 1,731,884	320,092	2,126,598	394,510
Beans, (green, wax) .....	" 481,816	60,445	396,475	56,780
Beans, baked .....	" 4,506,615	406,774	4,043,293	374,261
Corn .....	" 1,148,898	154,759	1,915,866	259,285
Mushrooms and truffles .....	" 524,408	187,591	329,985	135,398
Peas .....	" 570,683	67,147	740,262	81,032
Tomatoes .....	" 20,281,160	1,499,944	22,844,168	1,756,502
All other vegetables .....	" 6,352,564	765,260	8,153,836	834,771
<b>Totals</b> .....	<b>35,598,028</b>	<b>3,462,012</b>	<b>40,550,483</b>	<b>3,892,539</b>
<b>Canned fruits:</b>				
Mixed fruits or fruits for salads .....	" 39,305,186	5,409,896	39,849,914	5,454,591
Apricots .....	" 6,940,841	846,698	5,521,513	702,390
Peaches .....	" 19,385,552	2,170,853	32,158,692	3,388,511
Pears .....	" 5,575,765	766,105	5,569,887	775,086
Pineapple .....	" 42,559,722	5,282,995	43,655,964	5,135,497
All other fruits .....	" 11,206,122	1,486,444	13,310,740	1,749,307
<b>Totals</b> .....	<b>124,973,188</b>	<b>15,962,991</b>	<b>140,066,710</b>	<b>17,205,382</b>
<b>Other products:</b>				
Jams, jellies, preserves, etc. ....	" 6,335,004	1,260,466	5,591,435	1,121,552
Fruit juice, concentrated, frozen .....	gal. 3,135,549	11,765,107	3,369,588	10,700,060
Fruit juice, concentrated, fresh .....	" 417,906	1,626,753	441,448	1,516,424
Lemon juice .....	" 189,639	382,094	177,726	363,016
Orange juice .....	" 6,065,199	8,677,322	6,446,785	6,064,184
Blended fruit juice .....	" 2,582,056	2,333,966	2,620,612	2,124,427
Grapefruit juice .....	" 2,837,659	1,976,055	2,551,043	1,826,893
Pineapple juice .....	" 1,436,842	1,042,413	1,582,696	939,346
Other fruit juices .....	" 433,031	566,209	441,141	613,389
Tomato juice .....	lb. 19,540,345	1,150,789	14,455,255	971,080
Other tomato products .....	" 22,115,681	2,885,718	25,618,337	3,482,325
Vegetable juices .....	" 163,424	23,489	213,088	33,297
<b>Totals</b> .....	<b>-</b>	<b>31,692,381</b>	<b>-</b>	<b>29,756,013</b>

TABLE 13. Exports of Canned Fruits, Vegetables, Juices, etc., Calendar Years 1959 and 1960  
(Taken from "Trade of Canada" and includes weight of containers)

	1959		1960	
	Quantity	Value	Quantity	Value
<b>Canned vegetables:</b>		\$		\$
Corn .....	lb. 951,385	139,468	1,183,921	177,908
Peas .....	" 1,953,643	243,823	1,548,973	183,766
Beans (baked) .....	" 345,320	47,076	351,661	46,345
Tomatoes .....	" 56,524	7,092	70,723	9,057
Vegetables, canned or preserved, n.o.p. ....	" 3,491,901	423,647	2,439,786	318,897
<b>Totals</b> .....	<b>6,798,773</b>	<b>861,106</b>	<b>5,575,064</b>	<b>735,973</b>
<b>Canned fruits:</b>				
Pears .....	" 2,426,575	327,992	556,532	84,224
Apples .....	" 1,554,035	172,193	905,522	92,852
Peaches .....	" 1,841,376	305,966	553,858	90,821
Fruits, canned or preserved, n.o.p. ....	" 1,431,465	359,986	651,508	178,530
<b>Totals</b> .....	<b>7,233,451</b>	<b>1,166,137</b>	<b>2,669,420</b>	<b>446,427</b>
<b>Other products:</b>				
Tomato paste, pulp and purée .....	" 13,471	2,439	32,136	3,148
Tomato juice .....	" 3,629,316	340,785	5,113,874	452,622
Tomato soup .....	" 374,757	59,581	289,639	41,847
Soups, n.o.p. ....	" 7,093,216	1,414,509	29,196,968	4,084,724
Jams, jellies, and preserves .....	" 1,317,677	307,437	1,418,629	328,672
Apple juice .....	gal. 265,144	350,270	272,680	331,661
Infants foods .....	lb. 282,317	77,584	129,331	35,524
Macaroni, spaghetti and vermicelli, canned .....	" 211,200	29,193	383,502	60,838
<b>Totals</b> .....	<b>-</b>	<b>2,581,798</b>	<b>-</b>	<b>5,339,036</b>

#### Meat Canning

The total value of canned meats shipped from packing plants in Canada during 1960 was \$94,207,742, a decrease of 5.5 p.c. over the preceding year. This resulted from a Government price support program, similar to the 1952 system, under which it took all offered hogs at a base price. Unlike 1952, however, the latter program was necessitated not by foot and mouth disease but by natural economic forces.

This system was replaced on January 11, 1960 by a deficiency-payments program and the Government commenced the task of marketing the 140,000,000 pounds of pork, fresh and frozen; canned luncheon meats and canned hams which it then held. Better cuts were canned; others rendered into lard. The canned pork products went on the market at retail under regular commercial trade names and were also offered in carload lots as Government canned luncheon meat.

## Concentrated Milk Products

The concentrated milk products industry in Canada dates from 1883 when the first factory was established in Truro, Nova Scotia, by the Reindeer Condensed Milk Company. As the demand for prepared milk grew, other plants were established and other kinds of products added to the output. There are now in Canada twenty-eight plants, the list of principal products including condensed milk, evaporated milk, skim milk powder, buttermilk powder and casein.

The value of concentrated milk products in Canadian factories as first reported in the decennial census of 1891 was \$83,000. In 1901 the value had increased to \$269,520 in 1906 to \$855,409 and 1910 to \$1,814,871. The value of production for the years 1917-60 is given in the following table.

TABLE 14. Production of Concentrated Milk Products, 1917-60

Year	Value of products	Year	Value of products
	dollars		dollars
1917	7,308,042	1938	11,844,817
1918	11,218,055	1939	11,575,971
1919	13,930,513	1940	14,478,543
1920	17,160,111	1941	19,470,999
1921	11,526,422	1944	27,829,398
1922	6,839,232	1945	29,895,009
1923	10,040,318	1946	32,968,991
1924	9,710,017	1947	40,198,691
1925	9,844,613	1948	54,216,408
1926	9,601,138	1949	44,250,824
1927	10,186,312	1950	47,076,784
1928	10,176,208	1951	61,330,207
1929	10,498,544	1952 <sup>1</sup>	61,755,498
1930	10,040,176	1953	53,865,900
1931	7,067,807	1954	54,321,998
1932	5,952,947	1955	57,208,213
1933	5,536,888	1956	61,233,515
1934	5,991,759	1957	72,316,348
1935	6,849,989	1958	84,476,395
1936	7,434,896	1959	78,411,237
1937	10,078,192	1960	83,982,099

<sup>1</sup> Beginning in 1952 the basis of collection is "value of factory shipments" instead of "gross value of products".

TABLE 15. Imports and Exports of Concentrated Milk Products, Calendar Years 1920-60

Year	Imports	Exports	Year	Imports	Exports
	dollars			dollars	
1920	192,273	8,589,330	1940	180,499	4,298,778
1921	27,649	5,643,244	1941	142,154	7,218,907
1922	113,008	3,135,866	1943	133,780 <sup>1</sup>	5,433,172
1923	133,845	5,105,293	1944	383,349 <sup>1</sup>	5,423,636 <sup>2</sup>
1924	94,035	5,323,658	1945	97,864 <sup>1</sup>	12,218,123 <sup>2</sup>
1925	53,298	5,110,272	1946	502,242 <sup>1</sup>	9,910,583 <sup>2</sup>
1926	75,984	4,538,939	1947	977,522 <sup>1</sup>	12,009,484 <sup>2</sup>
1927	90,921	4,256,344	1948	175,189 <sup>1</sup>	16,622,196 <sup>2</sup>
1928	72,497	3,497,601	1949	98,961 <sup>1</sup>	11,988,078 <sup>2</sup>
1929	101,206	3,650,117	1950	117,445 <sup>1</sup>	9,550,595 <sup>2</sup>
1930	64,014	2,966,536	1951	885,005 <sup>1</sup>	9,700,894 <sup>2</sup>
1931	77,362	2,099,519	1952	148,858 <sup>1</sup>	13,687,946 <sup>2</sup>
1932	30,339	2,099,119	1953	132,931 <sup>1</sup>	11,137,468 <sup>2</sup>
1933	22,994	2,097,153	1954	83,864 <sup>1</sup>	8,536,135 <sup>2</sup>
1934	25,123	2,209,750	1955	162,192 <sup>1</sup>	8,678,620 <sup>2</sup>
1935	22,318	2,247,075	1956	352,406 <sup>1</sup>	9,743,581 <sup>2</sup>
1936	35,876	1,886,468	1957	1,346,532	7,891,307
1937	115,683	3,174,594	1958	314,164	11,413,602
1938	61,188	3,456,398	1959	319,495	17,939,853
1939	73,601	3,295,009	1960	313,226	17,866,684

<sup>1</sup> Includes "dried whey".

<sup>2</sup> Exclusive of "milk preparations, n.o.p.".

## Consumption of Canned Foods in Canada, 1942-60

The following table gives the per capita consumption in Canada of various canned foods. The method of arriving at consumption figures is shown in detail for 1959 and 1960. All fig-

ures given are for calendar year, except production of apple products.

TABLE 16. Per Capita Consumption of Canned Foods, 1943-58

	1943	1946	1947	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Population - 000's omitted: (Decennial census, June 1, 1951).....	11, 795	12, 292	12, 551	13, 447	13, 712	14, 009	14, 459	14, 845	15, 287	15, 698	16, 081	16, 589	17, 048
	pounds												
<b>Canned fruits:<sup>1</sup></b>													
Apple products, except juice <sup>2</sup> .....	2.1	2.5	3.5	2.0	2.7	2.0	2.0	2.3	2.3	1.9	1.9	1.4	1.9
Apricots.....	.1	.2	.4	.3	.3	.5	.4	.5	.6	.7	.7	.7	.6
Peaches.....	1.1	2.5	3.7	3.2	3.8	3.4	3.4	4.0	4.0	3.8	4.1	3.7	4.2
Pears.....	1.0	.8	1.5	1.5	1.8	1.4	1.5	1.7	1.9	2.0	2.2	2.0	1.8
Raspberries.....	.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
Strawberries.....	.1	.1	.2	.3	.2	.2	.3	.3	.2	.2	.2	.2	.2
All other fruits.....	1.1	1.5	2.5	3.8	4.7	5.5	6.5	7.0	6.5	6.1	6.9	6.8	7.0
<b>Totals.....</b>	<b>5.6</b>	<b>7.6</b>	<b>11.9</b>	<b>11.3</b>	<b>13.7</b>	<b>13.2</b>	<b>14.3</b>	<b>16.0</b>	<b>15.7</b>	<b>14.9</b>	<b>16.2</b>	<b>15.0</b>	<b>15.9</b>
<b>Canned vegetables:<sup>1</sup></b>													
Asparagus.....	.2	.2	.4	.3	.3	.3	.3	.3	.3	.3	.4	.3	.4
Beans, baked, including lima.....	.6	2.7	5.8	5.6	6.7	6.6	6.4	6.4	6.2	5.7	6.4	6.3	6.0
Beans, green or wax.....	1.9	3.1	2.9	2.4	2.4	2.7	3.0	3.0	3.5	3.5	3.3	3.1	3.1
Corn, including corn-on-cob.....	2.6	4.1	4.3	4.9	5.0	5.3	4.7	5.2	5.0	5.0	5.1	5.2	4.8
Peas.....	5.3	8.1	7.3	7.3	6.8	6.7	6.6	6.5	6.4	7.1	7.0	7.4	6.0
Tomatoes <sup>4</sup> .....	6.4	7.5	6.2	5.0	7.2	7.3	6.1	6.4	6.7	5.6	6.2	5.7	5.7
All other vegetables.....	1.3 <sup>5</sup>	3.6	4.0	3.5	3.3	3.6	3.7	3.9	3.6	3.6	4.4	4.3	4.0
<b>Totals<sup>4</sup>.....</b>	<b>18.3<sup>5</sup></b>	<b>29.3</b>	<b>30.9</b>	<b>29.0</b>	<b>31.7</b>	<b>32.5</b>	<b>30.8</b>	<b>31.7</b>	<b>31.9</b>	<b>30.8</b>	<b>32.8</b>	<b>32.2</b>	<b>30.0</b>
<b>Concentrated milk products:</b>													
Whole milk, condensed or evaporated....	13.9	13.2	15.4	21.3	18.3	18.6	19.1	19.5	19.0	19.3	19.5	19.0	18.6
Whole milk, powder.....	1.2	.6	.7	.6	.4	.4	.3	.4	.3	.2	.3	.3	.2
Skim milk, powder.....	1.9	2.9	2.9	2.8	3.4	3.2	3.1	4.4	4.7	5.2	5.1	5.4	6.4
Other concentrated milk products.....	.6	.7	.8	1.3	1.9	2.2	2.0	2.9	3.6	3.3	3.9	3.9	3.8
<b>Totals.....</b>	<b>17.6</b>	<b>17.4</b>	<b>19.8</b>	<b>26.0</b>	<b>24.0</b>	<b>24.4</b>	<b>24.5</b>	<b>27.2</b>	<b>27.6</b>	<b>28.0</b>	<b>28.8</b>	<b>28.6</b>	<b>29.0</b>
<b>Other canned foods:</b>													
Apple juice.....	.8	2.1	1.7	2.1	2.3	3.0	2.9	2.4	3.0	3.2	3.8	3.5	3.9
Tomato juice.....	4.3	10.0	7.3	8.7	8.2	8.4	7.5	9.7	9.6	9.1	9.8	9.2	9.2
Jams, jellies and marmalades.....	7.6	7.1	8.8	6.9	7.4	6.7	6.9	7.1	7.3	7.0	6.8	6.1	6.8
Infant foods <sup>6</sup> .....	.5	1.1	1.4	1.8	2.1	2.2	2.5	2.7	3.3	3.4	3.5	3.8	3.5
Soups.....	7.5	13.4	10.0	9.5	12.4	13.8	13.1	12.1	14.1	14.5	11.7	13.4	14.2
Meats.....	2.3	4.4	4.2	3.8	4.0	4.9	6.2	4.0	4.5	4.6	5.4	5.2	5.4
Fish and shell fish.....	4.5	2.8	5.2	4.7	4.6	4.4	4.5	4.7	4.5	4.5	4.5	4.7	4.4

<sup>1</sup> Up to and including 1953 the import and export figures used in calculating per capita consumption were taken directly from Trade of Canada and include weight of containers as published.

<sup>2</sup> Beginning in 1954 this includes only solid pack apples, crabapples, sauce and pie filling.

<sup>3</sup> Less than .05 but included in total.

<sup>4</sup> Includes Domestic Canners.

<sup>5</sup> Does not include sauerkraut.

<sup>6</sup> Prior to 1954, meats are not included.

TABLE 17. Consumption of Canned Foods, 1959 and 1960

	Opening inventory	+Production <sup>1</sup>	+Imports <sup>2</sup>	-Exports <sup>2</sup>	-Closing inventory	Total consumption	Per capita consumption <sup>3</sup>
	thousand pounds						pounds
<b>Canned fruits:</b>							
Apples (includes sauce and pie filling) 1959	29, 365	34, 624	-	1, 305	29, 207	33, 477	1.9
1960	29, 207	34, 722	-	761	28, 868	34, 300	1.9
Apricots..... 1959	4, 753	5, 879	5, 830	-	5, 619	10, 843	0.6
1960	5, 619	5, 134	4, 638	-	5, 568	9, 623	0.5
Cherries..... 1959	7, 022	7, 243	4	4	4, 986	9, 279	0.5
1960	4, 986	7, 819	4	4	4, 555	8, 250	0.5
Fruit cocktail and fruits for salad..... 1959	14, 008	7, 343	33, 016	-	12, 378	41, 989	2.4
1960	12, 378	8, 825	33, 474	-	11, 786	42, 891	2.4
Peaches..... 1959	54, 181	44, 538	16, 284	1, 546	41, 304	72, 151	4.1
1960	41, 304	50, 614	27, 014	465	45, 306	73, 161	4.1
Pears..... 1959	26, 607	32, 125	4, 683	2, 039	28, 566	32, 810	1.9
1960	28, 566	34, 768	4, 679	470	37, 442	30, 101	1.7
Plums..... 1959	9, 966	7, 084	-	-	6, 018	11, 032	0.6
1960	6, 018	7, 137	-	-	4, 995	8, 160	0.5
Raspberries..... 1959	2, 580	2, 597	-	-	2, 198	2, 979	0.2
1960	2, 198	3, 535	-	-	2, 050	3, 683	0.2
Strawberries..... 1959	1, 519	2, 648	-	-	1, 630	2, 537	0.1
1960	1, 630	3, 324	-	-	1, 741	3, 213	0.2
All other fruits..... 1959	15, 536	29, 958	45, 164	1, 202	16, 836	72, 620	4.2
1960	16, 836	8, 532	47, 852	548	13, 798	58, 874	3.3
<b>Totals, including pie fillings..... 1959</b>	<b>165, 537</b>	<b>174, 037</b>	<b>104, 977</b>	<b>6, 092</b>	<b>148, 742</b>	<b>289, 717</b>	<b>16.6</b>
<b>1960</b>	<b>148, 742</b>	<b>164, 410</b>	<b>117, 657</b>	<b>2, 244</b>	<b>156, 109</b>	<b>272, 456</b>	<b>15.3</b>

See footnotes at end of table.



TABLE 17. Consumption of Canned Foods, 1959 and 1960 - Concluded

		Opening inventory	+Production <sup>1</sup>	+Imports <sup>2</sup>	-Exports <sup>2</sup>	-Closing inventory	Total consumption	Per capita consumption <sup>3</sup>
		thousand pounds						pounds
<b>Canned vegetables:</b>								
Asparagus	1959	3,104	4,741	1,455	...	2,534	6,766	0.4
	1960	2,534	5,308	1,787	...	2,768	6,861	0.4
Beans, baked, including lima	1959	29,593	103,603	3,786	290	27,050	109,642	6.3
	1960	27,050	109,177	3,396	296	31,337	107,990	6.1
Beans, green or wax	1959	57,869	45,166	405	...	46,013	57,427	3.3
	1960	46,179	51,672	333	...	39,873	58,311	3.3
Corn, including corn-on-cob	1959	79,083	86,069	965	799	79,203	86,115	4.9
	1960	79,203	86,713	1,609	978	78,214	88,333	4.9
Peas	1959	96,616	79,462	479	1,641	71,128	103,788	6.0
	1960	71,128	102,721	622	1,301	67,759	105,411	5.9
Tomatoes	1959	52,083	78,654	17,036	49	51,828	95,896	5.5
	1960	51,828	115,910	19,189	60	86,890	99,977	5.6
All other vegetables	1959	49,887	53,478	5,777	2,933	43,779	62,410	3.6
	1960	43,779	66,935	7,127	2,050	61,119	54,672	3.1
<b>Totals</b>	<b>1959</b>	<b>368,215</b>	<b>448,361</b>	<b>29,903</b>	<b>5,712</b>	<b>321,535</b>	<b>519,232</b>	<b>29.8</b>
	<b>1960</b>	<b>321,701</b>	<b>538,436</b>	<b>34,063</b>	<b>4,685</b>	<b>367,960</b>	<b>521,553</b>	<b>29.3</b>
<b>Concentrated milk products:</b>								
Whole milk, evaporated <sup>3</sup>	1959	47,781	302,697	—	5,029	44,598	300,851	17.3
	1960	44,598	318,950	—	3,264	43,549	314,735	17.7
Whole milk, condensed	1959	608	14,553	—	2	722	14,437	0.8
	1960	722	14,420	—	2	887	14,253	0.8
Whole milk, powder	1959	2,884	20,872	142	18,401	1,418	3,879	0.2
	1960	1,418	45,829	203	36,729	5,822	4,899	0.3
Skim milk, powder	1959	77,313	176,437	37	110,543	21,942	121,302	7.0
	1960	21,942	171,989	34	47,992	23,204	122,749	6.9
Other concentrated milk products	1959	7,146	68,685	1,704	1,298	9,140	67,097	3.8
	1960	9,140	65,055	1,719	2,834	10,879	62,201	3.4
<b>Totals</b>	<b>1959</b>	<b>135,532</b>	<b>583,244</b>	<b>1,863</b>	<b>135,273</b>	<b>77,820</b>	<b>507,567</b>	<b>29.1</b>
	<b>1960</b>	<b>77,820</b>	<b>614,223</b>	<b>1,956</b>	<b>90,821</b>	<b>84,341</b>	<b>518,837</b>	<b>29.1</b>
<b>Other canned foods:</b>								
Apple juice	1959	48,987	92,407	...	2,227	62,984	76,183	4.4
	1960	62,984	86,656	...	169	49,590	79,881	4.5
Tomato juice	1959	137,402	164,924	16,414	3,048	139,351	176,341	10.1
	1960	139,351	182,446	12,142	4,296	152,239	177,404	10.0
Tomato pulp, paste and purée	1959	7,279	3,713	14,565	11	8,843	16,703	0.9
	1960	8,843	7,156	17,636	29	8,414	25,194	1.4
Tomato ketchup	1959	37,508	33,828	4,011	*	28,040	47,307	2.7
	1960	28,040	57,497	...	...	37,390	...	...
Jams, jellies, and marmalades	1959	15,296	112,722	5,321	1,107	16,997	115,235	6.6
	1960	16,997	112,952	4,696	1,192	18,306	114,947	6.4
Infant foods	1959	36,313	63,941	...	237	34,607	65,410	3.7
	1960	34,607	68,521	...	108	37,259	35,761	2.0
Soups	1959	108,918	245,985	...	6,273	83,295	265,335	15.2
	1960	83,295	288,064	—	24,769	100,413	246,127	13.8
Meats	1959	20,248	190,171	19,622	6,843	19,149	204,049	11.7
	1960	19,149	69,497	4,445	9,904	15,879	67,308	3.6
Fish and shellfish <sup>4</sup>	1959	*	80,014	11,925	34,209	*	68,030	3.9
	1960	*	63,041	13,512	24,238	*	56,315	3.2

<sup>1</sup> Production figures (except milk products) are taken from Pack or Quarterly Processed Foods reports.

<sup>2</sup> 16% was deducted from Trade of Canada figures for canned fruit and vegetable preparations to allow for weight of containers.

<sup>3</sup> Population for 1959 was 17,442,000 and for 1960 was 17,814,000.

<sup>4</sup> Data not available.

<sup>5</sup> Beginning 1957 stocks include manufacturers stocks only, stocks held by wholesalers not collected after July, 1957.

<sup>6</sup> Figures supplied by Department of Fisheries. Changes in inventory not available.