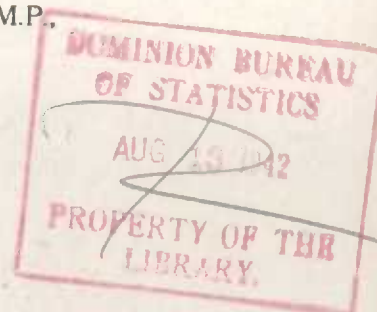


24-D-21

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Minister of Trade and Commerce.



**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**  
**CENSUS OF INDUSTRY**  
**FISHERIES AND ANIMAL PRODUCTS BRANCH**

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**ADVANCE REPORT**  
**ON THE**  
**FISHERIES**  
**OF**  
**BRITISH COLUMBIA**  
**1941**

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OTTAWA  
1942

Price 10 cents

Published by Authority of the Hon. James A. MacKinnon, M.P.,  
Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS, OTTAWA, CANADA

Fisheries and Animal Products Branch

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ADVANCE REPORT ON THE FISHERIES OF BRITISH COLUMBIA, 1941

The following report on the fisheries of the province of British Columbia for the year 1941 is issued by the Dominion Bureau of Statistics, in cooperation with the Department of Fisheries.

PRODUCTION

A high record value for British Columbia's fishery output was made in 1941, when the total as marketed, was \$31,732,037, an increase over the preceding year of \$10,021,870, or 46 per cent. Of first importance is the salmon fishery with a product valued at \$20,879,194, compared with \$13,757,091 in 1940. The salmon pack was the largest ever recorded by the industry (2,235,431 cases<sup>x</sup>) and its total value rose to \$18,406,545 from \$11,427,923 in the preceding year. In second place on the list of the chief commercial fishes is herring, with a marketed value in 1941 of \$4,665,260. The increasing importance of the herring fishery is due to the canning operations, which have grown enormously during the past two years. In 1941 the pack of canned herring amounted to 1,014,529 cases, valued at \$3,630,037. This value represents 79 per cent of the total amount credited to the herring fishery in the year. Third and fourth, respectively, among the principal kinds of fish, in order of value, are halibut (\$2,121,689) and pilchards (\$1,781,876). Halibut is marketed chiefly as fresh, while oil and meal are the more important products of the pilchard fishery.

The quantity of fish of all kinds caught and landed by British Columbia fishermen in 1941 totalled 5,418,391 cwt., valued at the point of landing at \$15,836,402, compared with a catch of 5,906,896 cwt. and a landed value of \$9,067,501 in 1940. Average prices per cwt. paid to the fishermen for the principal kinds of fish in 1941 were as follows, with figures for 1940 in brackets: salmon \$6.01 (\$3.84); herring, 39 cents (35 cents); halibut, \$12.36 (\$9.75); and pilchards, 50 cents (45 cents).

CAPITAL EQUIPMENT AND EMPLOYEES

Capital. - The capital equipment of the fisheries of British Columbia in 1941 was valued at \$29,314,179 compared with \$24,637,397 in the preceding year. The total for 1941 comprises: \$10,477,373, the value of the vessels, boats and gear engaged in the primary operations of catching and landing the fish, and \$18,836,806, the amount invested in the fish processing establishments. The greater part of the investment in the fish processing industry is credited to the salmon canneries, which numbered 36 and had an investment of \$14,641,330. **Miscellaneous fish canneries**

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<sup>x</sup> This includes 46,531 cases of salmon packed from fish caught in 1940 and held in cold storage.

# BRITISH COLUMBIA FISHERIES

numbered 6; fish curing establishments, 8; fresh fish and freezing plants, 10; and reduction plants, 11. The total number of establishments in operation in the year was 71, compared with 74 in 1940.

Employees. - The fisheries of the province gave employment in the year to a total of 18,131 persons, of which 10,217 are classed as employees on vessels, boats, etc., and 7,914 as employees on fish processing plants. Compared with the preceding year, the total number shows an increase of 244.

## GENERAL TABLES

Summaries of the principal statistical data of the fisheries of British Columbia for the year 1941, and comparative statistics for preceding years, are contained in the following tables.

### 1. Total Value of the Fisheries, British Columbia, 1922 to 1941.

Year	Value	Year	Value
	\$		\$
1922 .....	18,849,658	1932 .....	9,909,116
1923 .....	20,795,914	1933 .....	12,001,471
1924 .....	21,257,567	1934 .....	15,234,335
1925 .....	22,414,618	1935 .....	15,169,529
1926 .....	27,367,109	1936 .....	17,231,534
1927 .....	22,890,913	1937 .....	13,155,439
1928 .....	26,562,727	1938 .....	18,672,750
1929 .....	23,230,692	1939 .....	17,698,989
1930 .....	23,103,302	1940 .....	21,710,167
1931 .....	11,108,873	1941 .....	31,732,037



BRITISH COLUMBIA FISHERIES

1. Quantity and Value of Fish Caught and Marketed, 1940 and 1941.

Kind of Fish		1940		1941	
		Quantity	Value	Quantity	Value
			\$		\$
Cod, caught and landed	Cwt.	16,635	42,124	9,612	25,015
Cod livers, landed	Cwt.	399	1,599	461	2,330
Marketed -					
Used fresh	Cwt.	3,474	13,834	3,090	10,539
Fresh fillets	Cwt.	3,007	27,062	1,788	20,520
Smoked fillets	Cwt.	1,386	13,860	395	5,135
Livers	Cwt.	399	1,998	59	366
Cod liver oil, medicinal	Gal.	-	-	1,838	2,457
Total value marketed	-	-	56,754	-	39,017
Hake, caught and landed	Cwt.	22	88	20	40
Marketed fresh	Cwt.	22	88	20	60
Whiting, caught and landed	Cwt.	39	78	5	20
Marketed fresh	Cwt.	39	88	5	25
Halibut, caught and landed	Cwt.	126,936	1,103,302	129,289	1,242,012
Halibut livers, landed	Cwt.	2,265	115,098	3,143	142,249
Halibut viscera, landed	Cwt.	1,749	19,239	10,337	214,239
Marketed -					
Used fresh	Cwt.	126,936	1,397,999	129,289	1,650,731
Livers	Cwt.	1,983	107,427	1,180	51,074
Viscera	Cwt.	-	-	735	8,259
Liver oil	Gal.	400	12,000	14,786	139,486
Visceral oil	Gal.	590	44,125	2,626	266,540
Offal oil	Gal.	14,637	3,124	605	272
Offal meal	Ton	148	6,323	123	5,327
Total value marketed	-	-	1,570,998	-	2,121,689
Flounders, caught and landed	Cwt.	6,247	12,953	3,700	6,521
Marketed -					
Used fresh	Cwt.	5,618	24,791	1,332	4,760
Fresh fillets	Cwt.	204	3,060	653	9,795
Total value marketed	-	-	27,851	-	14,555
Skate, caught and landed	Cwt.	856	1,656	704	1,921
Marketed fresh	Cwt.	856	3,452	704	2,478
Soles, caught and landed	Cwt.	7,673	36,429	4,954	24,802
Sole livers landed	Cwt.	-	-	9	225
Marketed -					
Used fresh	Cwt.	5,783	33,793	3,829	22,227
Fresh fillets	Cwt.	630	13,073	375	8,234
Livers	Cwt.	-	-	1	9
Total value marketed	-	-	46,866	-	30,470

BRITISH COLUMBIA FISHERIES

2. Quantity and Value of Fish Caught and Marketed, 1940 and 1941. - con.

Kind of Fish		1940		1941	
		Quantity	Value	Quantity	Value
			\$		\$
Herring, caught and landed	Cwt.	3,395,013	1,203,129	1,688,515	655,536
Marketed -					
Used fresh	Cwt.	23,830	53,411	8,097	23,374
Canned (round)	Cases	727,292	2,619,639	985,929	3,579,867
Canned (kippered)	Cases	-	-	28,600	110,230
Mild cured	Cwt.	11,092	33,036	-	-
Smoked (round)	Cwt.	59	380	332	3,077
Kippered	Cwt.	4,665	37,468	3,111	25,662
Dry-salted	Cwt.	104,812	115,315	-	-
Pickled	Bbl.	1,737	20,152	1,819	31,017
Used as bait	Bbl.	28,024	66,051	47,773	126,626
Oil	Gal.	1,700,819	299,961	584,157	231,282
Meal	Ton	24,264	1,180,977	8,756	534,125
Total value marketed	-	-	4,426,390	-	4,665,260
Sardines, caught and landed	Bbl.	-	-	9,318	4,659
Marketed canned	Cases	-	-	25,559	47,086
Pilchards, caught and landed	Cwt.	575,399	257,951	1,200,913	601,280
Marketed -					
Used fresh	Cwt.	84	84	-	-
Canned	Cases	59,166	201,526	58,038	230,656
Dry-salted	Cwt.	15	75	-	-
Used as bait	Bbl.	-	-	1,651	4,177
Oil	Gal.	877,556	206,395	1,789,708	810,295
Meal	Ton	4,853	224,313	10,472	736,748
Total value marketed	-	-	632,393	-	1,781,876
Anchovies, caught and landed	Cwt.	74,435	21,046	136,727	62,336
Marketed -					
Canned	Cases	14,331	79,818	2,181	15,617
Oil	Gal.	25,350	8,075	99,338	52,312
Meal	Ton	596	31,142	1,263	94,230
Total value marketed	-	-	119,035	-	162,159
Bas, caught and landed	Cwt.	58	164	126	326
Marketed fresh	Cwt.	58	197	126	391
Perch, caught and landed	Cwt.	500	2,860	354	2,241
Marketed fresh	Cwt.	500	3,235	354	3,095

BRITISH COLUMBIA FISHERIES

2. Quantity and Value of Fish Caught and Marketed, 1940 and 1941. - con.

Kind of Fish		1940		1941	
		Quantity	Value	Quantity	Value
			\$		\$
Salmon, caught and landed	Cwt.	1,431,905	5,503,733	1,900,349	11,424,604
Salmon livers, landed	Cwt.	55	222	700	3,499
Marketed -					
Used fresh	Cwt.	248,891	2,056,020	186,550	1,922,845
Canned	Cases	1,470,425	11,427,923	2,295,431 <sup>x</sup>	18,406,545
Smoked	Cwt.	47	540	301	4,214
Kippered	Cwt.	70	1,190	-	-
Mild cured	Cwt.	6,228	137,453	12,331	275,717
Roe	Cwt.	9,303	14,271	31	119
Livers	Cwt.	55	222	633	3,942
Used as bait	Cwt.	262	705	708	2,070
Oil	Gal.	149,843	48,388	208,073	102,555
Meal	Ton	1,497	70,379	2,643	161,097
Total value marketed	-	-	13,757,091	-	20,879,104
Smelts, caught and landed	Cwt.	846	6,010	686	5,488
Marketed fresh	Cwt.	846	7,491	686	5,920
Sturgeon, caught and landed	Cwt.	151	2,214	221	3,315
Marketed fresh	Cwt.	151	2,460	221	3,675
Black cod, caught and landed	Cwt.	13,934	59,384	17,472	94,816
Black cod livers, landed	Cwt.	240	8,372	527	30,323
Black cod viscera, landed	Cwt.	26	260	1,798	29,794
Marketed -					
Used fresh	Cwt.	9,237	47,786	11,354	95,633
Smoked	Cwt.	2,452	31,667	2,645	39,272
Smoked fillets	Cwt.	-	-	175	2,275
Livers	Cwt.	237	9,369	261	9,836
Viscera	Cwt.	-	-	351	4,191
Liver oil	Gal.	-	-	241	19,000
Visceral oil	Gal.	585	44,000	272	19,320
Total value marketed	-	-	132,822	-	189,527
Ling cod, caught and landed	Cwt.	47,613	130,077	40,865	215,332
Ling cod livers landed	Cwt.	1,271	43,767	941	58,163
Marketed -					
Used fresh	Cwt.	47,551	247,373	40,458	287,747
Fresh fillets	Cwt.	-	-	178	2,682
Smoked	Cwt.	31	375	-	-
Livers	Cwt.	1,271	55,296	879	53,388
Liver oil	Gal.	-	-	827	15,482
Total value marketed	-	-	303,044	-	359,299

<sup>x</sup> This includes 46,561 cases of salmon packed from fish caught in 1940 and held in cold storage.



BRITISH COLUMBIA FISHERIES

2. Quantity and Value of Fish Caught and Marketed, 1940 and 1941. - con.

Kind of Fish		1 9 4 0		1 9 4 1	
		Quantity	Value \$	Quantity	Value \$
Red and Rock cod, caught and landed	Cwt.	2,328	7,632	2,566	6,682
Red and Rock cod livers landed	Cwt.	189	4,715	90	4,043
Marketed -					
Used fresh	Cwt.	2,328	9,314	2,533	9,886
Fresh fillets	Cwt.	-	-	11	143
Livers	Cwt.	30	860	83	2,203
Liver oil	Gal.	110	4,400	36	3,600
Total value marketed	-	-	14,574	-	15,832
Tuna, caught and landed	Cwt.	45	225	760	6,840
Marketed canned	Cases	45	567	66	804
Capelin, Launce and Silversides, caught and landed	Cwt.	5	75	20	300
Marketed fresh	Cwt.	5	75	20	300
Grayfish, caught and landed	Cwt.	141,350	57,236	142,999	100,965
Grayfish livers, landed	Cwt.	15,665	86,192	34,790	327,502
Marketed -					
Used fresh	Cwt.	-	-	5,843	13,117
Livers	Cwt.	5,882	40,710	1,745	29,328
Liver oil,	Gal.	64,269	84,405	212,175	531,355
Body oil,	Gal.	25,484	20,997	71,582	29,569
Meal	Ton	1,285	63,210	1,051	69,062
Total value marketed	-	-	209,322	-	672,431
Shark livers, landed	Cwt.	26	1,090	363	52,575
Marketed -					
Shark livers	Cwt.	12	694	205	44,860
Shark liver oil	Gal.	70	1,400	1,367	23,913
Total value marketed	-	-	2,094	-	68,773
Octopus, caught and landed	Cwt.	180	485	252	864
Marketed fresh	Cwt.	180	555	252	986
Oulachons, caught and landed	Cwt.	801	3,415	382	1,200
Marketed fresh	Cwt.	801	3,887	382	1,492
Abalone, caught and landed	Bbl.	286	1,144	-	-
Marketed canned	Cases	286	2,002	-	-
Clams, caught and landed	Cwt.	30,799	47,783	33,524	46,952
Marketed -					
Used fresh	Cwt.	20,785	37,376	25,402	42,388
Canned	Cases	7,151	40,568	12,783	56,582
Total value marketed	-	-	77,944	-	98,970

BRITISH COLUMBIA FISHERIES

2. Quantity and Value of Fish Caught and Marketed, 1940 and 1941 - conc.

Kind of Fish		1940		1941	
		Quantity	Value	Quantity	Value
			\$		\$
Crabs, caught and landed	Cwt.	14,053	38,001	11,652	43,286
Marketed -					
Used fresh	Cwt.	6,551	22,804	8,006	27,610
Canned	Cases	3,794	57,824	3,386	55,643
Total value marketed	-	-	80,628	-	83,253
Oysters, caught and landed	Bbl.	8,678	36,784	36,489	80,100
Marketed -					
Used fresh	Bbl.	2,813	45,959	27,302	90,502
Canned	Cases	2,346	14,637	3,475	25,609
Total value marketed	-	-	60,596	-	116,111
Shrimps, caught and landed	Cwt.	1,145	13,345	610	6,307
Marketed fresh	Cwt.	1,145	16,354	610	8,115
Whales, caught and landed	No.	220	137,624	328	298,349
Marketed -					
Oil	Gal.	361,620	112,664	536,505	261,544
Bone meal	Ton	181	5,430	271	10,840
Fertilizer	Ton	434	19,530	577	25,965
Total value marketed	-	-	137,624	-	298,349
Other livers and mixed viscera landed	-	-	-	-	8,761
Miscellaneous -					
Fish oil, n.e.s.	Gal.	-	-	834	1,914
Fish meal, n.e.s.	Ton	246	11,070	254	11,430
Other products	-	-	2,620	-	47,591
Total Value -					
Caught and landed	-	-	9,067,501	-	15,836,402
Marketed	-	-	21,710,167	-	31,732,037



BRITISH COLUMBIA FISHERIES

3. Quantity <sup>(a)</sup> and Value <sup>(b)</sup> of Chief Commercial Fishes, 1938 to 1941.

Kind of Fish		1938	1939	1940	1941	Increase or decrease 1941 compared with 1940 Increase + Decrease -
Salmon	Cwt.	1,734,664	1,476,372	1,431,905	1,300,349	+ 468,444
	\$	14,491,285	12,994,812	13,757,091	20,879,104	+ 7,122,013
Herring	Cwt.	1,328,913	2,164,812	3,395,013	1,688,515	- 1,706,498
	\$	855,265	2,198,912	4,426,390	4,665,260	+ 238,870
Halibut	Cwt.	120,247	133,967	126,936	129,289	+ 2,353
	\$	1,272,385	1,498,690	1,570,998	2,121,689	+ 550,691
Pilchards	Cwt.	1,035,369	110,453	575,399	1,200,913	+ 625,514
	\$	867,007	100,693	632,393	1,781,876	+ 1,149,483
Grayfish	Cwt.	159,690	114,816	141,350	142,999	+ 1,649
	\$	113,190	80,394	209,322	672,431	+ 463,109
Ling cod	Cwt.	46,516	47,497	47,613	40,865	- 6,748
	\$	283,511	300,783	303,044	359,299	+ 56,255
Black cod	Cwt.	8,463	9,067	13,934	17,472	+ 3,538
	\$	71,297	79,419	132,822	189,527	+ 56,705
Anchovy	Cwt.	-	19,320	74,435	136,727	+ 62,292
	\$	-	10,417	119,035	162,159	+ 43,124
Oysters	Bbl.	2,979	11,308	8,678	36,489	+ 27,811
	\$	37,453	59,976	60,596	116,111	+ 55,515
Clams	Cwt.	76,633	29,117	30,799	33,524	+ 2,725
	\$	162,508	50,937	77,944	98,970	+ 21,026

(a) Quantity caught.

(b) Value marketed.

BRITISH COLUMBIA FISHERIES

4. Capital Equipment of the Fisheries, 1940 and 1941.

In Primary Operations	1940		1941	
	Number	Value \$	Number	Value \$
Steam vessels	3	75,000	4	100,000
Gasoline vessels -				
20 to 40 tons	1	20,000	1	6,000
10 to 20 tons	29	113,700	32	123,200
Diesel vessels -				
40 tons and over	20	444,000	30	565,000
20 to 40 tons	79	878,400	136	1,489,750
10 to 20 tons	90	579,050	152	1,006,050
Boats -				
Sail and row	1,070	45,221	921	35,219
Gasoline	6,003	3,681,791	5,832	3,928,160
Diesel	259	427,300	264	459,350
Carrying boats, smacks or fish packers	220	859,300	305	466,660
Herring gill nets	27	4,300	-	-
Gill nets, other	47	6,300	117	7,480
Salmon drift nets	7,512	1,109,365	7,039	1,154,737
Salmon trap or pound nets	5	75,000	5	75,000
Salmon purse seines	281	353,800	298	417,380
Salmon drag seines	9	5,400	9	5,700
Seines, other	59	153,900	81	235,950
Smelt gill nets	53	4,900	42	4,200
Small drag nets	31	3,360	35	5,330
Skates of gear	2,814	80,646	3,837	150,035
Hand lines	15,022	132,471	12,157	114,114
Crab traps	4,742	17,991	4,830	15,236
Shrimp nets	25	2,800	25	3,350
Oulachon nets	46	1,000	45	1,510
Fishing piers and wharves	6	12,600	6	12,500
Freezers and ice houses	15	48,000	4	42,000
Small fish and smoke houses	32	37,500	42	53,250
Other gear	-	2,015	-	712
Total value	-	9,134,000	-	10,477,873

BRITISH COLUMBIA FISHERIES

4. Capital Equipment of the Fisheries, 1940 and 1941. - concluded.

In Fish Processing Establishments	1940		1941	
	Number	Value \$	Number	Value \$
Salmon canneries	38	11,467,255	36	14,641,330
Clam canneries	1 )	579,203	6	600,123
Other fish canneries	5 )			
Fish curing establishments	13	2,118,356	8	502,987
Fresh fish and freezing plants	9	578,451	10	1,884,215
Reduction plants	8	760,132	11	1,207,651
Total	74	15,503,397	71	18,836,306

5. Employees in the Fisheries, 1940 and 1941.

Classification	1940			1941		
	Male	Female	Total	Male	Female	Total
	Number	Number	Number	Number	Number	Number
Employees on vessels, boats, etc.	10,444	-	10,444	10,217	-	10,217
Employees in fish processing establishments	4,332	3,111	7,443	3,997	3,917	7,914
Total	14,776	3,111	17,887	14,214	3,917	18,131



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