54-10-21

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

#### CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

FISHERIES AND ANIMAL PRODUCTS BRANCH

### ADVANCE REPORT

ON THE

**FISHERIES** 

OF

**BRITISH COLUMBIA** 

1940



Issued June, 1941.

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

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.) Chief, Fisheries and Animal Products Branch: F. A. Brown

#### ADVANCE REPORT ON THE FISHERIES OF BRITISH COLUMBIA, 1940

The following report on the fisheries of the province of British Columbia for the year 1940 is issued by the Dominion Bureau of Statistics, in co-operation with the Department of Fisheries.

#### PRODUCTION

The value of the fisheries production of British Columbia in 1940 records an advance of four million dollars over the value shown in the preceding year. The totals for the two years are: 1940, \$21,710,167 and 1939, \$17,698,989. The 1940 value is the highest shown for any year since 1930. The salmon fishery of British Columbia, which is the most important fishery in the Dominion, had a production value of \$13,757,091, an increase over the preceding year of \$762,279, or 6 per cent. The canned salmon was valued at \$11,427,923, and the salmon marketed for consumption fresh at \$2,056,020. Herring, second on the list of British Columbia's chief commercial fishes, had a value of \$4,426,390, an increase of \$2,227,478, or 101 per cent; canned herring and oil and meal are the principal products of this fishery. Third on the list is halibut, with a value of \$1,570,998; the greater part of the catch of halibut is marketed for consumption fresh.

The total quantity of fish of all kinds, including shell fish, taken by British Columbia fishermen during the year was 5,906,396 cwt., with a value at the point of landing of \$9,067,279, compared with 4,172,224 cwt. and a landed value of \$7,890,854 in 1939. The increase in the total catch is due chiefly to the larger amount of herring taken.

#### CAPITAL EQUIPMENT AND EMPLOYEES

Capital. The amount of capital invested in the fisheries of British Columbia in 1940 was \$24,661,022, apportioned as follows: in the vessels, boats, nets, piers and wharves, etc., used in the primary operations of catching and landing the fish, \$9,182,425; and in fish canning and curing, \$15,478,597. The total value in the preceding year was \$22,480,127, of which \$8,156,851 is credited to the primary operations and \$14,323,276 to the fish canning and curing. There were 38 salmon canneries, 6 other fish canneries, 13 fish curing establishments, 7 freezing plants and 8 reduction plants in operation during the year, or a total of 72, compared with a total of 67 in 1939.

#### CAPITAL EQUIPMENT AND EMPLOYEES

#### (Concluded)

Employees. - The number of fishermen employed during the fishing season was 10,444 and the number of persons engaged in work in the fish processing plants, 7,449, or a total of 17,893, compared with a total of 15,880 in 1939.

#### GENERAL TABLES

Summaries of the principal statistical data of the fisheries of British Columbia for the year 1940, and comparative statistics for preceding years, are contained in the following tables.

#### 1. VALUE OF THE FISHERIES BRITISH COLUMBIA, 1920 TO 1940.

Year	Value	Year	Value
1920	\$ 22,329,161	1931	\$ 11,108,873
1921	13,953,670	1932	9,909,116
1922	18,849,658	1933	12,001,471
1923	20,795,914	1934	15,234,335
1924	21,257,567	1935	15,169,529
1925	22,414,618	1936	17,231,534
1926	27,367,109	1937	16,155,439
1927	22,890,913	1938	18,672,750
1928	26,562,727	1939	17,698,989
1929	23,930,692	1940	21,710,167
1930	23,103,302		

# 2. Quantity and Value of Fish Caught and Marketed, 1939 and 1940.

Kind of Fish	Unit of	1	.939	1	.940
	Measure	Quantity	Value	Quantity	Value
			\$		Ş
Cod, caught and landed	Cwt.	16,322	38,275	16,635	42,124
Cod livers landed Marketed -	Cwt.	-	-0-0	399	1,599
Used fresh	Cwt.	5,732	20,393	3,474	13,834
Fresh fillets	Cwt.	3,530	35,115	3,007	27,063
Smoked fillets	Cwt	in.		1,386	13,360
Livers	Cwt.	160	1,108	399	1,998
Total value marketed		n	57,216		56,754
Make and Cusk, caught and landed	Cwt.	27	69	22	88
Marketed fresh	Cwt.	27	83	22	88
Whiting, caught and landed	Cwt.	11	22	39	78
Marketed fresh	Cwt.	11	32	39	88
Halibut, caught and landed	Cwt	133,967	970,021	126,936	1,103,30
Halibut livers landed	Cwt		-	2,265	115,09
Halibut viscera landed Marketed -	Cwt.		6	1,749	19,239
Used fresh	Cwt	133,967	1,305,542	126,936	1,397,999
Livers	Cwt.	2,186	123,625	1,983	107,42
Liver oil	Gal.	650	16,250	400	12,00
Visceral oil	Gal.	683	48,160	590	44,12
Offal oil	Gal.	7,755	1,938	14,637	3,12
Offal meal	Ton	70	3,175	148	6,32
Total value marketed	1011		1,498,690	-	1,570,99
Flounders, Brill, Plaice,			1 005	2 048	16.05
caught and landed Marketed -	Cwt.	1,507	4,265	6,247	12,95
ipe? freely	Cwt.	1,507	5,984	5,618	24,79
Fresh fillets	Cwt.S		-	204	3,060
Total value marketed		ente di	5,934	-	27,85
Skate, caught and landed	Cwt.	842	2,107	856	1,65
Marketed fresh	Cwt.	842	3,026	856	3,45
Soles, caught and landed	Cwt.	6,473	33,678	7,673	36,42
Marketed -	Cart	3,863	22,426	5,783	33,79
Used fresh	Cwt.	870	17,400	630	13,07
Fresh fillets	CW C.	070	39,826	000	46,86
Total value marketed			004020		10,00

# 2. Quantity and Value of Fish Caught and Marketed, 1939 and 1940

Kind of Fish	Unit	1	1939	1940		
	Measure	Quantity	Value	Quantity	Value	
			\$		\$	
Merring, caught and landed Marketed -	Cwt.	2,164,812	507,715	3,395,013	1,203,129	
Used fresh	Cwt	19,102	49,755	23,830	53,41	
Canned (round)	Cases	233,046	790,108	727,292	2,619,63	
Mild cured	Cwt		100	11,092	33,03	
Smoked (round)	Cvit	-		59	38	
Smoked (boneless)	Cwt	24	182	_	_	
Kippered	Cwt.	3,319	23,803	4,665	37,46	
Dry-salted	Cwt.	160,315	156,542	104,812	115,31	
Pickled	Bbl.	1,591	24,722	1,737	20,15	
Used as bait	Bbl.	18,717	39,295	28,024	66,05	
Oil	Gal.	1,366,607	393,278	1,700,819	299,96	
Meal	Ton	16,482	721,227	24,264	1,180,97	
otal value marketed	1011	20,200	2,198,912	-	4,426,39	
ilchards, caught and landed Marketed -	Cwt	110,453	17,737	575,399	257,95	
Used fresh	Cwt.	2	10	84	8	
Canned	Cases	7,300	21,347	59,166	201,52	
Dry-salted	Cwt.	7 9 200	23,000	15	7	
Used as bait	Bbl	20	30			
Oil	Gal.	178,305	43,473	877,556	206,39	
Meal	Ton	906	35,833	4,853	224,31	
otal value marketed	1011		100,693	1,000	632,39	
nchovies, caught and landed Marketed -	Cwt.	19,320	3,864	74,435	21,04	
Canned	Cases	14.2	:01	14,331	79,81	
Oil	Gal	12,080	3,955	25,350	8,07	
Meal	Ton	161	6,462	596	31,14	
otal value marketed		3	10,417	ene *	119,03	
dass, caught and landed	Cwt.	68	165	58	16	
Marketed fresh	Cwt.	68	190	58	19	
erch, caught and landed	Cwt	509	3,622	500	2,86	
Marketed fresh	Cwt.	509	3,752	500	3,23	
almon, caught and landed Marketed -	Cwt.	1,476,372		1,431,905	5,503,73	
Used fresh	Cwt.		1,936,140	248,891	2,056,02	
Canned	Cases	1,539,057	10,449,945	1,470,425+	11,427,92	
Smoked	Cwt	- 1	-	47	54	
Kippered	Cwt.			70	1,19	
Includes 1,420 cases of salm 1,778 cases of Kedg			\$5,701 and			

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### 2. Quantity and Value of Fish Caught and Marketed, 1939 and 1940

Kind of Fish	Unit	19	39		1940
	Measure	Quantity	Value	Quantity	Value
HE WAS TO VOTE THE PARTY OF	a state was	Leave Land	Ş	7777	\$
Salmon - (Con.)					
Marketed -		1, 47182		X DES	THE RESERVE
Mild cured	Cwt.	24,221	512,278	6,228	137,453
Roe	Cwt.	7,984	9,280	9,303	14,271
Livers	Cwt.		96.41	55	222
Used as bait	Cwt.	55	27	262	
Oil	Gal	128,170	29,991	149,843	
Meal	Ton	1,372	57,151	1,497	/
Total value marketed			2,994,812		13,757,091
Cmelts sought and landed	Cwt.	488	3,849	846	6,010
Smelts, caught and landed Marketed fresh	Cwt.	488	4,388	846	
marke ted i resh	OW6.	400	4,000	040	7,491
Sturgeon, caught and landed	Cwt.	156	2,206	151	2,214
Marketed fresh	Cwt.	156	2,459	151	2,460
Black cod, caught and landed	Cwt.	9,067	39,852	13,934	59,384
Black cod livers landed	Cwt.		-	240	8,372
Black cod Viscera landed Marketed -	Cwt	North S	\$4.4B	26	260
Used fresh	Cwt,	4,742	38,517	9,237	47,786
Smoked	Cwt.	2,268	30,046	2,452	
Livers	Cwt	188	8,206	237	9,369
Liver oil	Gal.	106	2,650	CAU LAWA	
Visceraloil	Cal.		2,000	585	44,000
Total value marketed	GGZ.		79,419		132,822
TO OUT TO THE MET TO TOO			A FEMALE	Here Miller	E VIDE
Ling cod, caught and landed	Cwt.	47,497	247,976	47,613	190,077
Ling cod livers landed Marketed -	Cwt.		neth	1,271	43,767
Used fresh	Cwt.	47,168	260,943	47,551	247,373
Fresh fillets	Cwt.	282	2,746	11,9001	~2.90.0
Smoked	Cwt.	15	182	31	375
Livers	Cwt.	788	33,287	1,271	55,296
Liver oil	Gal.	145	3,625	1,011	-
Total value marketed	Gall 0	140	300,783		303,044
10 tal value marke ted	F-12 [4]		000,100	Marria e	000,011
Red and Rock cod, caught and		0.000	0 500	0 700	E 070
landed	Cwt.	2,203	6,590	2,328	7,632
Red and Rock cod livers landed Marketed -	Cwt.	-	*such	189	4,715
Used fresh	Cwt.	2,063	7,556	2,328	9,314
The second secon		56	449	2000	0 019
	Cwt.	15	178	RECEIVE A	
Smoked	Cwt			70	860
Livers	Cwt.	16	510	30	
Liver oil	Gal.	80	2,000	110	4,400
Total value marketed			10,693		14,574

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# 2. Quantity and Value of Fish Caught and Marketed, 1939 and 1940.

Kind of Fish	Unit	19	939	1:	940
Alia of Fibir	Measure	Quantity	Value	Quantity	Value
			\$		\$5
Tuna, caught and landed Marketed -	Cwt.	2,838	14,190	45	225
Canned Livers	Cases Cwt.	3,016 50	36,948 3,250	45	567 -
Total value marketed		-	40,198	-	567
Capelin, Launce and Silversides	,				
caught and landed Marketed fresh	Cwt.	22 22	315 315	5 5	75 75
Grayfish, caught and landed	Cwt.	114,816	23,888	141,350	57,236
Grayfish livers landed Marketed -	Cwt.	440	-	15,665	86,192
Livers	Cwt.	602	5,895	5,882	40,710
Body oil	Gal.	130,044	38,177	95,484	20,997
Liver oil	Gal. Ton	925	36,322	64,269 1,285	84,40
Meal Total value marketed	TOR		80,394	-	209,322
Shark livers landed Marketed -	Cwt.	- 1	600	26	1,090
Shark livers	Cwt.	-	***	12	694
Shark liver oil	Gal.	-	***	70	1,400
Total value marketed			-	7.00	2,094
Octopus, caught and landed	Cwt.	138	380	180	48
Marketed fresh	Cwt.	138	441	180	555
Oulachons, caught and landed	Cwt.	514	1,335	801	3,415
Marketed fresh	Cwt.	514	1,792	801	3,885
Abalone, caught and landed Warketed -	Bbl.	163	1,140	286	1,144
Used fresh	Bbl.	3	60	909	-
Canned	Cases	160	1,280	286	2,00
Total value marketed		en en	1,340	-	2,00
Clams, caught and landed Marketed -	Cwt.	29,117	43,607	30,799	47,783
Used fresh	Cwt.	21,601	32,651	20,785	37,376
Canned	Cases	5,431	18,286	7,151	40,568
Total value marketed			50,937	-	77,944

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# 2. Quantity and Value of Fish Caught and Marketed, 1939 and 1940.

Kind of Fish	Unit	]	1940		
TIME OF THOSE	Measure	Quantity	Value	Quantity	Value
			\$		\$
Crabs, caught and landed Marketed -	Cwt.	10,912	35,201	14,053	38,001
Used fresh	Cwt.	6,814	28,886	6,551	22,804
Canned	Cases	2,049	32,747	3,794	57,824
Total value marketed		-	61,633	-	80,628
Oysters, caught and landed Marketed -	Bbl.	11,308	48,719	8,678	36,784
Used fresh	Bbl.	2,691	37,227	2,813	45,959
Canned	Cases	3,647	22,749	2,346	14,637
Total value marketed		-	59,976	_	60,596
Shrimps, caught and landed	Cwt.	831	10,810	1,145	13,345
Marketed fresh	Cwt.	831	12,246	1,145	16,354
Fur seals, caught and landed	No.	576	1,465		
Skins marketed	No.	576	1,465	-	-
Whales, caught and landed Marketed -	No.		-	220	137,624
Oil	Gal.	_	-	361,620	112,664
Bone Meal	Ton	-		181	5,430
Fertilizer	Ton	-	_	434	19,530
Total value marketed			-	-	137,624
Miscellaneous -	150				and said
Fish oil, n.e.s.	Gal.	33,066	9,957	-	-
Fish meal, n.e.s.	Ton	477	19,664	246	11,070
Fish fertilizer					To The Late
(manufactured)	Ton	30	1,650	- E	- 200
Other products		-	45,656	-	2,620
Onto 7 Volum					10000
Total Value - Caught and landed			7,890,854	F. F2	9,067,279
Marketed			17,698,989		21,710,167

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3. Quantity (a) and Value (b) of Chief Commercial Fishes, British Columbia, 1937 to 1940

			1937 to	1340		55.00
Kind of Fis	sh	1937	1938	1939	1940	Increase or decrease 1940 compared with 1939 Increase + Decrease -
Salmon	Cwt.	1,691,736 11,907,905	1,734,664 14,491,285	1,476,372	1,431,905	- 44,467 + 762,279
Herring	Cwt.	1,929,795	1,328,913	2,164,812 2,198,912	3,395,013 4,426,390	+ 1,230,201 + 2,227,478
Halibut	Cwt.	117,212	120,247	133,967 1,498,690	126,936 1,570,998	- 7,031 + 72,308
Pilehards	Cwt.	961,485 902,619	1,035,369 867,007	110,453	575,799 632,793	+ 464,946 + 531,700
Ling cod	Cwt.	42,858 275,817	46,516 283,511	47,497 300,783	47,613 303,044	+ 116 + 2,261
Grayfish	Cwt.	113,220 66,790	159,690 113,190	114,816 80,394	141,350	+ 26,534 + 128,928
Black cod	Cwt.	13,410 95,251	8,463 71,297	9,067 79,419	13,934	+ 4,867 + 53,403
Anchory	Cwt.			19,320 10,417	74,435 119,035	+ 55,115 + 108,618
Crabs	Cwt.	8,052 52,188	7,942 54,572	10,912 61,633	14,053 80,628	+ 3,141 + 18,995
Clams	Cwt.	23,093 95,371	76,633 162,508	29,117 50,937	30,799 77,944	+ 1,682 + 27,007
Oysters	Bbl.	2,332 36,199	2,979 37,453	11,308 59,976	8,678 60,596	- 2,630 + 620
(a) Quanti						

4. Capital Equipment of the Fisheries, British Columbia, 1939 and 1940.

In Primary Operations	1	939	1940		
III I I I I I I I I I I I I I I I I I	Number	Value	Number	Value	
70.40		9		Ş	
Steam vessels	1 - V-1	e de la e	3	75,000	
Gasoline vessels- )	42 ASS 15	11/28	1 10	20,000	
20 to 40 tons ) 10 to 20 tons )		LE CONTRACTOR	29	116,700	
Diesel vessels - (+	292	2,346,043	20	110,700	
40 tons and over )			20	444,000	
20 to 40 tons )	140		79	878,400	
10 to 20 tons )			90	579,050	
Spil (0.1)	111			THE PERSON	
Boats -					
Sail and row	1,268	43,335	1,070	45,221	
Gasoline and diesel	5,533	3,489,465	6,262	4,109,591	
Carrying boats, smacks or fish packers	298	471,300	220	859,300	
Herring gill nets	30	5,251	27	4,600	
Cill nets, other	33	5,800	47	6,300	
Salmon drift nets	6,694	969,823	7,512	1,109,365	
Salmon trap or pound nets	5	75,000	5	75,000	
Salmon purse seines	254	328,550	281	353,800	
Salmon drag seines Seines other	45	5,000	59	5,400	
Smelt gill nets	45	4,240	53	4,900	
Small drag nets	22	1,690	31	3,360	
Skates of gear	2,777	64,592	2,814	80,646	
liand lines	14,677	113,420	15,022	132,471	
Crab traps	6,014	14,561	4,742	17,391	
Shrimp nets	26	2,485	25	2,800	
Oulachon nets	31	855	46	1,090	
Fishing piers and wharves	7	13,800	6	12,600	
	18	50,300	15 32	48,000	
Small fish and smoke houses Other gear	50	4,491	- OL	2,015	
Joher gear		4,401		2,010	
STATE STATE OF THE PART OF		* * * * * * * * * * * * * * * * * * *			
Total Value		8,153,851	-	9,184,000	

<sup>+</sup> Not given separately prior to 1940.

4. Capital Equipment of the Fisheries, British Columbia, 1939 and 1940 (Concluded)

In Fish Processing Establishments		1939	1940		
The state of the s	Number	Value	Number	Value	
proper record to the text of the separate of the separate and the separate		\$		Ş	
Salmon canneries	35	11,535,455	38	11,467,255	
Clam canneries	1)		1)		
ther fish canneries	2)	60,142	5)	579,203	
Ish curing establishments Tresh fish and freezing	13	1,935,568	13	2,118,356	
plants	7	275,128	7	553,651	
Reduction plants	9	516,983	8	760,132	
Total	67	14,323,276	72	15,478,597	

5. Number of Employees in the Fisheries, British Columbia, 1939 and 1940.

dia di	1939			1940		
	Male	Female	Total	Male	Female	Total
	Humber	Number	Number	Number	Number	Number
ien employed on vessels, boats, etc.	9,609	_	9,609	10,444	-	10,444
ersons employed in fish processing establishments	3,824	2,447	6,271	4,313	3,136	7,449
Total	13,433	2,447	15,880	14,757	3,136	17,393

