

FISHERIES STATISTICS

of

BRITISH COLUMBIA

1960

(PRELIMINARY)

**COMPILED AND PUBLISHED BY THE
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UNDER ARRANGEMENT WITH THE BUREAU OF STATISTICS, OTTAWA.**

APRIL 1961

SUMMARY OF FISHERIES STATISTICS OF BRITISH COLUMBIA - 1960

Total Value of Fish and Fish Products

The total market value of all fish and liver products in 1960 was reported as 52.3 million dollars, down 45.9 million dollars (or 48%) from the record total reported in 1958, which included the very large Adams River sockeye catch.

This value does not include:

- the value of 6,706,000 pounds of halibut caught by B. C. fishermen and landed at United States ports in Washington and Alaska;
- the market value of tuna canned by B. C. companies from frozen tuna imported from Japan and the United States;
- the market value of canned salmon from 1959 frozen stocks (the value of this frozen fish was included in the 1959 report).

The total market value of all the above totalled \$2,991,487.

The decline in total landings and total value of marketings can be attributed to several factors:

- (1) Salmon landings were the lowest since records were first maintained in 1910. Runs were lower than the below-average returns anticipated.
- (2) There was only a limited herring fishery between January 1 and November 20 as lower prices for meal and oil forced companies to discontinue herring operations. The herring seine fleet resumed operations in November but unit returns and prices for meal and oil were down from the previous year.
- (3) Landings of halibut by Canadian fishermen increased sharply and reached peak levels but lower prices resulted in only slightly higher values of marketings.

Most other products showed increases, some as a result of increased landings; others because of increased unit prices. Some species, such as grey cod, increased as a result of specialized forms of processing.

SALMON

The market value of salmon in 1960 dropped to 36.0 million dollars despite higher unit marketing prices for most salmon products. The value of salmon marketing in 1960 was the lowest since 1949.

TABLE I - MARKETING OF SALMON BY SPECIES 1953 - 1960
\$(000's)

	<u>Sockeye</u>	<u>Chums</u>	<u>Pinks</u>	<u>Cohos</u>	<u>Springs</u>	<u>Steelhead</u>	<u>Not Classified</u>	<u>Total</u>
1953	16 111	8 436	12 541	5 844	4 216	124	664	47 936
1954	21 200	11 965	6 057	6 335	3 781	187	756	50 281
1955	9 337	3 796	15 950	8 605	4 196	76	909	42 869
1956	13 012	6 318	7 943	10 758	5 614	75	586	44 306
1957	9 295	6 137	15 934	8 124	4 647	60	706	44 903
1958	41 365	8 124	9 565	9 502	5 701	98	1 445	75 800
1959	12 206	5 556	11 525	9 801	5 408	58	586	45 140
1960	11 439	5 736	5 657	7 437	4 988	90	616	35 963

TABLE II - LANDED & MARKETED VALUE OF SALMON 1950 - 1960
\$(000's)

	<u>Landed Value</u>	<u>Canned</u>	<u>Fresh</u>	<u>Mild Cured</u>	<u>Frozen</u>	<u>Other</u>	<u>Total</u>
1950	24 336	31 369	9 013	437	7 270	613	48 702
1951	28 396	47 368	4 820	433	7 348	781	60 750
1952	19 555	28 505	5 194	471	5 856	469	40 495
1953	21 848	36 035	5 018	369	5 739	775	47 936
1954	23 579	38 402	6 018	249	4 760	852	50 281
1955	18 481	32 611	4 115	329	4 748	1 066	42 869
1956	21 356	31 634	4 630	425	6 840	777	44 306
1957	18 885	35 283	4 494	401	3 799	926	44 903
1958	37 129	58 742	6 702	558	7 931	1 867	75 800
1959	20 503	34 444	4 736	539	4 452*	969*	45 140
1960	18 401	22 768	5 102	491	6 721	881	35 963

* Amended

In order to compare landed and marketing trends, Table III has been prepared showing landed and marketed values by species for 1952-1960. Also shown broken down by species is the production and utilization of salmon in 1959 and 1960 (Table IV).

TABLE III - LANDED AND MARKETED VALUE OF SALMON, BY SPECIES

1952 - 1960					
	<u>Landings</u> (Rd. Wt.) 000 lbs.	<u>Landed</u> ⁽¹⁾ Value \$(000)	<u>Average</u> Price per lb. ¢	<u>Marketed</u> ⁽²⁾ Value \$(000)	<u>% Landed to Marketed</u> Value %
<u>SOCKEYE</u>					
1952	30 870	7 717	25.0	14 781	52.2
1953	35 340	7 788	22.0	16 111	48.3
1954	47 020	10 398	22.1	21 200	49.0
1955	16 650	4 003	24.0	9 337	42.9
1956	21 500	5 930	27.6	13 012	45.6
1957	15 730	4 427	28.1	9 295	47.6
1958	74 120	20 778	28.0	41 365	50.2
1959	18 060	5 626	31.2	12 206	46.1
1960	15 480	5 453	35.2	11 439	47.7
<u>PINKS</u>					
1952	51 280	4 102	8.0	10 088	40.7
1953	61 740	4 509	7.3	12 541	36.0
1954	25 760	1 996	7.7	6 057	33.0
1955	63 300	5 617	8.9	15 950	35.2
1956	28 970	2 612	9.0	7 943	32.9
1957	57 290	5 374	9.4	15 934	33.7
1958	33 910	3 152	9.3	9 565	33.0
1959	35 040	3 795	10.8	11 525	32.9
1960	16 990	2 014	11.9	5 657	35.6
<u>CHUMS</u>					
1952	31 870	2 349	7.4	4 785	49.1
1953	54 430	3 782	7.0	8 436	44.8
1954	74 400	5 453	7.3	11 965	45.6
1955	18 180	1 799	9.9	3 796	47.4
1956	27 430	3 317	12.1	6 318	52.5
1957	27 240	2 426	8.9	6 137	39.5
1958	38 110	3 749	9.8	8 124	46.1
1959	23 110	2 800	12.1	5 556	50.4
1960	20 320	3 106	15.3	5 736	54.1
<u>COHO</u>					
1952	22 190	2 904	13.1	6 180	47.0
1953	23 160	2 939	12.7	5 844	50.3
1954	20 690	3 133	15.1	6 335	49.5
1955	23 550	4 149	17.6	8 605	48.2
1956	25 150	5 725	22.8	10 758	53.2
1957	22 780	3 626	15.9	8 124	44.6
1958	24 700	5 383	21.8	9 502	56.6
1959	19 570	4 498	23.0	9 801	45.9
1960	14 230	4 386	30.8	7 437	59.0
<u>SPRINGS</u>					
1952	14 410	2 414	16.8	4 176	57.8
1953	15 670	2 771	17.7	4 216	65.7
1954	13 490	2 520	18.7	3 781	66.6
1955	12 530	2 879	23.0	4 196	68.6
1956	13 700	3 728	27.2	5 614	66.4
1957	12 650	3 005	23.8	4 647	64.7
1958	14 210	4 018	28.3	5 701	70.5
1959	13 510	3 757	27.8	5 408	69.5

TABLE IV - PRODUCTION AND UTILIZATION OF SALMON, BY SPECIES 1959-1960

	Unit	1960			1959		
		Quantity	Value	Average Price	Quantity	Value	Average Price Per Unit
				\$		\$	\$
SOCKEYE							
Canned	cases	226 844	11 407 227	50.29	256 170	12 102 926	47.25
Fresh Rnd.	cwt.	635	26 581	41.86	1 338	43 120	32.23
Fresh Drd.	cwt.	47	2 317	49.30	18	700	38.89
Froz. Rnd.	cwt.	*			*		
Froz. Drd.	cwt.	49	2 683	54.75	*		
Other			184			59 634	
TOTAL			11 438 992			12 206 380	
PINKS							
Canned	cases	219 564	5 486 652	24.99	458 597	11 371 511	24.80
Fresh Rnd.	cwt.	276	4 420	16.01	1 537	18 268	11.89
Fresh Drd.	cwt.	219	5 786	26.42	296	7 851	26.52
Froz. Rnd.	cwt.	*			*		
Froz. Drd.	cwt.	5 833	159 443	27.33	4 511	126 470	28.04
Other			414			855	
TOTAL			5 656 715			11 524 955	
CHUMS							
Canned	cases	86 818	1 787 081	20.58	133 128	2 662 427	20.00
Fresh Rnd.	cwt.	44 855	1 086 265	24.22	61 212	1 100 925	17.99
Fresh Drd.	cwt.	28 161	855 385	30.37	25 675	625 334	24.33
Froz. Rnd.	cwt.	*			*		
Froz. Drd.	cwt.	50 073	1 846 854	36.88	31 656	916 574	28.95
Froz. Steaks & froz. fillets	cwt.	1 867	112 283	60.14	2 818	146 135	51.86
Smoked	cwt.	*			266	23 100	86.84
Other			48 203			81 777	
TOTAL			5 736 071			5 556 272	
COHO							
Canned	cases	91 504	3 908 165	42.71	213 105	7 918 884	37.16
Fresh Rnd.	cwt.	765	25 527	33.37	1 759	47 454	26.98
Fresh Drd.	cwt.	18 051	865 158	47.92	11 526	476 068	41.30
Froz. Rnd.	cwt.	*			*		
Froz. Drd.	cwt.	48 139	2 585 442	53.70	26 750	1 261 066	47.14
Froz. Steaks & froz. fillets	cwt.	462	33 511	72.53	1 331	81 243	61.04
Mild cured	cwt.	*			*		
Other			18 933			16 475	
TOTAL			7 436 736			9 801 190	
SPRINGS							
Canned	cases	5 916	163 423	27.63	15 231	360 565	23.67
Fresh Rnd.	cwt.	2 536	109 063	43.01	10 126	279 221	27.57
Fresh Drd.	cwt.	39 199	2 097 491	53.48	46 010	2 130 881	46.31
Froz. Drd.	cwt.	35 763	1 928 569	53.92	38 678	1 901 755	49.17
Mild cured	cwt.	4 851	472 493	97.40	6 917	530 955	76.76
Kippered	cwt.				*		
Smoked	cwt.	2 245	217 358	96.82	2 200	186 635	84.83
Other						17 584	
TOTAL			4 938 397			5 407 596	
STEELHEAD							
Canned	cases	504	15 151	30.06	866	27 897	32.21
Fresh Rnd.	cwt.	344	7 818	22.73	123	3 258	26.48
Fresh Drd.	cwt.	381	15 628	41.02	78	2 585	33.14
Froz. Rnd.	cwt.	237	9 990	42.15	98	2 770	28.26
Froz. Drd.	cwt.	870	40 975	47.10	125	4 763	38.10
Other						17 160	
TOTAL			89 562			58 433	
ALL SALMON ¹⁾		\$(000)'s			\$(000)'s		
Canned	cases	631 150	22 768	36.07	1 077 097	34 444	31.90
Fresh Rnd.	cwt.	49 411	1 260	25.50	76 095	1 492	19.60
Fresh Drd.	cwt.	86 058	3 842	44.64	83 603	3 244	38.79
Froz. Drd.	cwt.	129 074	6 564	50.85	101 737	4 211	41.39
Froz. Steaks & froz. fillets	cwt.	2 329	146	62.68	4 149	228	54.95
Mild cured	cwt.	5 103	491	96.22	7 049	539	76.46
Other ¹⁾	cwt.		892			982	
TOTAL			35 963			45 140	

1) NOTE: The total value of "ALL SALMON" includes such things as offal, caviar, paste, etc... which could not be shown under individual species headings because less than 3 companies reported.

* Less than three companies reporting.

In 1960, both pinks and sockeye as in past years, were almost exclusively used for canning purposes.

The pattern for chum marketing continued to reflect the small quantity available for canning with the result that only 86,818 cases were canned compared with 133,128 in 1959.

Coho (including blueback) landings were also down and the canned pack dropped from 213,105 cases in 1959 to 91,504 cases in 1960. However, more coho were utilized on the fresh and frozen market. Marketings of fresh coho increased from 1.33 million pounds worth \$523,500 in 1959 to 1.88 million valued at \$890,700 in 1960. Production of frozen dressed coho also increased and totalled 4.8 million pounds with a marketed value of \$2,590,000 compared to 2.67 million pounds worth \$1,261,000 the previous year.

With reduced landings, marketing of fresh springs declined in value from \$2,410,000 in 1959 to \$2,206,000 in 1960. Unit market prices for fresh and frozen spring salmon were up sharply in 1960. Mild-cured salmon produced declined from 691,700 in 1959 to 485,000 pounds in 1960. Smoked salmon showed little change in production.

TABLE V - CANNED SALMON PACK IN B.C. BY SPECIES - 1951 - 1960
Cases (48 lbs.)

	<u>Sockeye</u>	<u>Pinks</u>	<u>Chums</u>	<u>Coho</u>	<u>Other</u>	<u>Total</u>	<u>Marketed Value</u> <u>\$(000's)</u>
1951	428 299	735 468	460 421	304 540	17 354	1 946 082	47 368
1952	449 494	679 182	91 886	64 953	13 042	1 298 557	28 505
1953	510 147	794 764	394 113	110 164	16 079	1 825 267	36 035
1954	680 719	335 550	580 574	128 080	17 813	1 742 736	38 402
1955	244 821	831 253	124 860	185 723	19 443	1 406 100	32 611
1956	320 096	363 614	203 710	207 915	12 924	1 108 259	31 634
1957	228 452	751 608	239 539	193 058	11 608	1 424 265	35 283
1958	1 074 305	451 801	230 636	131 528	11 755	1 900 025	58 742
1959	256 170	458 597	133 128	213 105	16 097	1 077 097	34 444
1960	226 844	219 564	86 818	91 504	6 420	631 150	22 768

The canned salmon pack in 1960 totalled 631,150 cases valued at \$22,768,000. This was the lowest pack reported since 1921 and was nearly \$12 million dollars less than in 1959.

HERRING

Landings of herring in 1960 totalled 93,838 tons and was the lowest yearly production reported in the past 10 years. As already mentioned, the herring operation was curtailed most of the year and full production did not get under way until November 20th. Catches between then and the end of the year were good but total production for the year was only 42% of the 222,000 tons reported in 1959.

Lower unit landed prices as well as declining prices for oil and meal resulted in the marketed value for herring products dropping from 8.8 million dollars in 1959 to \$3,450,000 in 1960.

TABLE VI - TOTAL LANDINGS & MARKETINGS OF HERRING & PRODUCTS
1951 - 1960

	<u>Herring Landings</u> tons	<u>Landed Value</u> \$(000's)	<u>Herring Oil</u> 000 lbs.	<u>Herring Meal</u> tons	<u>Canned</u> Cases (48 lbs.)	<u>Dry Salted</u> 000 lbs.	<u>Total Value All Products</u> \$(000's)
1951	182 716	5 654	30 042	30 842	159 636	10 082	10 640
1952	94 748	3 201	14 412	17 149	552	7 532	4 235
1953	149 120	3 678	26 207	23 618	71 196	6 058	6 518
1954	180 481	4 565	29 453	31 065	1 690	3 900	7 340
1955	152 846	4 187	28 062	27 410	N/A (1)	N/A (1)	7 323
1956	245 698	7 077	40 931	45 304	N/A (1)	N/A (1)	10 660
1957	147 688	4 892	22 386	25 296	N/A (1)	N/A (1)	6 290
1958	202 561	6 712	38 301	36 115	N/A (1)	N/A (1)	8 990
1959	222 016	7 355	43 102	41 696	--	N/A (1)	8 843
1960	93 838	2 178 (2)	17 918	17 634	N/A (1)	--	3 450

(1) N/A: not available; less than 3 firms reporting.

(2) Revised from B. C. Catch Statistics - 1960.

HALIBUT

Halibut landings by Canadian fishermen at B. C. ports in 1960 totalled 27.2 million pounds, an increase of 3.4 million pounds over 1959. In addition, 6,706,000 pounds were landed at American ports by Canadian fishermen. Halibut landings by Canadians thus totalled 33.9 million pounds, the highest ever reported.

Average landed prices in B. C. were down 2.36¢ per pound to 16.12 cents per pound with the result that the landed value of Canadian landed halibut totalled \$4,379,000, down slightly from 1959. Marketed prices dropped by 2.14 cents per pound with the marketed total value increasing from \$6,236,000 in 1959 to \$6,534,000 in 1960.

TABLE VII - LANDINGS & MARKETINGS OF HALIBUT - 1949 - 1960

	Total Landings (1) 000 lbs.	Landed Value \$(000's)	Average per lb. ¢	Marketed Value \$(000's)	Average per lb. ¢
1949	17 997	2 785	15.47	4 037	22.43
1950	18 882	3 837	20.32	5 430	28.76
1951	20 214	3 429	16.96	5 604	27.72
1952	23 489	3 955	16.83	5 532	23.55
1953	24 882	3 661	14.71	5 553	22.32
1954	25 200	3 984	15.81	5 965	23.67
1955	19 679	2 555	12.98	3 924	19.94
1956	23 316	5 067	21.73	6 636	28.46
1957	22 647	3 697	16.32	5 616	24.80
1958	23 707	4 902	20.68	6 690	28.22
1959	23 798	4 398	18.48	6 236	26.20
1960	27 162	4 379	16.12	6 534	24.06

(Livers Excluded)

(1) Not including Canadian landings of halibut in Alaska and Washington in 1960, 6,706,000 pounds.

SOLES

In 1960, total landings of sole jumped sharply and totalled 7,637,000 pounds valued at \$407,000, compared with 4,977,000 pounds in 1959. Marketed value showed a corresponding increase and totalled \$795,000 as compared to \$552,000 in 1959.

CRAB & SHRIMP

Shrimp production increased after the low year of 1959 from 1,043,000 pounds worth \$172,000 to 1,678,000 pounds valued at \$299,000 in 1960. Most of this production was sold as fresh or frozen meat and the marketed value increased from \$291,000 in the previous year to \$529,000 in 1960.

Crab production increased to record levels and totalled 5,068,000 pounds with a landed value of \$515,000. The marketed value also increased and totalled \$1,200,000 as compared to \$1,085,000 in 1959.

TABLE VIII - TOTAL LANDINGS AND MARKETINGS OF CRAB & SHRIMP
1954 - 1960

	LANDINGS		VALUE		Whole (000)'s pounds	FRESH AND FROZEN		Total Marketed
	Crab (000)'s	Shrimp pounds	Crab (000)'s	Shrimp (000)'s		Meat (000)'s pounds	Canned cases 48-lb.	Value \$(000)'s
1954	4 188	951	459	140	1 403	337	10 364	1 169
1955	4 514	1 088	468	181	1 502	568	7 088	1 277
1956	3 791	1 216	392	199	1 967	468	6 610	1 289
1957	3 030	1 597	298	256	848	541	7 767	1 141
1958	4 209	1 909	384	305	710	517	14 004	1 264
1959	4 323	1 043	438	172	1 841	351	14 495	1 376
1960	5 068	1 678	515	299	1 841	659	14 459	1 729

OTHER SPECIES

Other species in order of the importance of the marketed value in 1960 were as follows (1959 in brackets):

Grey Cod:	\$647,000	(\$630,000)	Oysters:	\$406,000	(\$471,000)
Ling Cod:	\$593,000	(\$510,000)	Black Cod:	\$253,000	(\$147,000)
Clams:	\$535,000	(\$310,000)			

VESSELS & BOATS (Tables 5 and 6)

The 1960 inventory of boats operating in the B. C. Fishing industry showed 145 more boats than were reported in 1959. This includes 33 boats in the over-10-ton class; 103 in the less-than-10-ton class but longer than 20 feet, and an additional 9 in the 20-foot-or-less class.

As a result of this increase in numbers, coupled with higher unit values for boats due to improvements and added electrical equipment, the value of vessels at the end of 1960 totalled \$49,601,000, compared with \$46,853,000 in 1959.

The 1,048 vessels in the 10-ton-and-over class were valued at \$27,935,000, while the 7,575 vessels in the under-10-ton group were appraised at \$21,666,000, compared with \$19,600,000 in 1959.

In the under-10-ton class, trollers showed the most significant increase and at the end of 1960, a total of 1,598 trollers under 10 tons but over 20 feet, were reported as compared to 1,420 in 1959.

GEAR & EQUIPMENT (Table 7)

The year-end inventory of boats and gear used in the primary fishery showed a sharp increase from \$7,701,000 reported in 1959 to \$8,545,000 in 1960. The increase was accounted for by an increase in salmon gillnets from 7,436 worth \$2,405,000 at the end of 1959 to 8,022 valued at \$2,692,000 in 1960.

Also of note was the increased value of salmon seines and a large number of crab traps.

It should be noted when examining this table that gear used during the year and worn out is regarded as a recurring expense and does not appear in the table since its value at year-end is nil.

NUMBER OF FISHERMEN LICENSED IN B. C. (Table 8)

The number of fishermen licensed in B. C. decreased from 14,463 in 1959 to 14,191 in 1960.

ACKNOWLEDGEMENTS

The information in this report on marketed values is provided by the fishing companies operating in British Columbia under a co-operative arrangement with the Bureau of Statistics.

The information on boats and gear is provided by the Fishery Officers of the Department located in the coastal areas. Information on licences is a summary of a more complete report on licensing issued by the Vancouver Office of the Department of Fisheries. Mr. S. L. Young, Economist with the Department of Fisheries in Vancouver has full responsibility for the collection and compilation of this report.

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TABLE 1 - QUANTITIES LANDED AND VALUE OF ALL PRODUCTS MARKETING
OF THE MOST IMPORTANT SPECIES - 1960

<u>Kind of Fish</u>	<u>Quantities landed</u> <u>(000's lbs.)</u>	<u>Landed Value</u> <u>\$ (000's)</u>	<u>Marketed Value</u> <u>\$ (000's)</u>
Salmon	75 154	18 401	35 963
Herring	187 676	2 178	3 450
Halibut	27 162	4 379	6 534
Crabs and Shrimps	6 745	814	1 729
Ling Cod	4 516	402	593
Grey Cod	5 244	260	647
Oysters	5 879	339	406
Soles	7 637	407	795
Black Cod	1 044	170	253
Clams	4 348	133	535
Livers	1 233	181	126
Other Items	8 450	298	1 228
TOTAL	335 088	27 962	52 259

TABLE 2 - LANDED AND MARKETING VALUE OF FISH AND
FISH PRODUCTS IN BRITISH COLUMBIA 1946 - 1960

<u>Year</u>	<u>Landed Value</u> <u>\$ (000's)</u>	<u>Marketed Value</u> <u>\$ (000's)</u>
1946	21 372	43 817
1947	22 354	58 596
1948	32 643	58 808 (1)
1949	27 251	56 425 (1)
1950	36 345	69 171 (1)
1951	40 638	84 057 (1)
1952	30 158	56 835 (1)
1953	31 781	65 756 (1)
1954	35 044	70 071 (1)
1955	28 330	60 725 (1)
1956	36 597	67 522
1957	30 757	63 108
1958	52 053	98 458
1959	35 724	66 377
1960	27 962	52 259

(1) Revised

Not included: salmon pack canned from previous year's frozen stock.

TABLE 3 - LANDINGS AND MANUFACTURED PRODUCTS MARKETED IN B. C. - 1960

<u>Kind of Fish</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Value \$(000's)</u>
<u>Black Cod landed</u>	000 lb.	1 044	170
Marketed			
Fresh	"	90	18
Frozen	"	743	164
Smoked	"	169	71
Total Value Marketed			<u>253</u>
<u>Clams landed</u>	000 lb.	4 348	133
Marketed			
Fresh	"	244	27
Meat	"	72	14
Canned	48-lb. cases	25 504	480
Other			14
Total Value Marketed			<u>535</u>
<u>Crabs landed</u>	000 lb.	5 068	515
Marketed			
Fresh	000 lb.	1 273	198
Frozen	"	531	161
Meat	"	243	262
Canned	48-lb. cases	14 459	574
Other	--	--	5
Total Value Marketed			<u>1 200</u>
<u>Eulachon landed</u>	000 lb.	185	16
Marketed			
Fresh	"	19	3
Frozen, fillets, barbecued	"	99	21
Total Value Marketed			<u>24</u>
<u>Flounders landed*</u>	000 lb.	195	7
Marketed			
Fresh whole & fresh fillets	"	86	13
Frozen whole & frozen fillets	"	8	2
Total Value Marketed			<u>15</u>
<u>Grey Cod landed*</u>	000 lb.	5 244	260
Marketed			
Fresh	"	754	60
Fresh fillets	"	557	147
Frozen whole & frozen fillets	"	431	109
Smoked fillets	"	32	9
Other	--	--	322
Total Value Marketed			<u>647</u>
<u>Halibut landed</u>	000 lb.	27 162	4 379
Marketed			
Fresh	"	3 258	733
Frozen	"	19 266	4 578
Fresh & frozen fillets	"	875	394
Frozen fletches, cheeks, blocks	"	1 467	679
Frozen steaks	"	175	71
Other	--	--	79
Total Value Marketed			<u>6 534</u>
<u>Herring landed</u>	000 lb.	187 676	2 178
Marketed			
Fresh	"	815	26
Frozen	"	172	19
Bait	"	4 484	177
Body and offal oil	"	17 918	1 261
Body and offal meal	tons	17 634	1 860
Other herring products	--	--	107
Total Value Marketed			<u>3 450</u>

* Not including quantity used for non-food purposes.

TABLE 3 (Cont'd) - LANDINGS AND MANUFACTURED PRODUCTS MARKETING IN B. C. - 1960

<u>Kind of Fish</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Value \$ (000's)</u>
<u>Ling Cod landed</u>	000 lb.	4 516	402
Marketed			
Fresh	"	1 616	230
Frozen	"	273	40
Fresh fillets	"	548	163
Frozen fillets & steaks	"	502	160
Total Value Marketed			<u>593</u>
<u>Livers and Viscera: landed value *</u>			181
Marketed Values			<u>126</u>
(See Liver Summary - Page 10)			
<u>Miscellaneous</u>			
Fish landed (1)	000 lb.	7 284 (1)	232
Marketed (2)			
Fresh and Frozen	"	141	27
Meal N.E.S.	tons	9	4
Other by-products and specialties	--	--	1 075
Total Value Marketed (2)			<u>1 106</u>
<u>Oysters landed</u>	000 lb.	5 879	339
Marketed			
Fresh (1/2 pt. 175 000)			235
(pts. 18 060)			
(quarts 24 678)			
(gallons 28 680)			
Fresh & Frozen	8 oz. pk.	172 777	61
Other	--	--	110
Total Value Marketed			<u>406</u>
<u>Red and Rock Cod landed</u>	000 lb.	558	22
Marketed			
Fresh	"	298	25
Frozen	"	30	4
Fresh & frozen fillets	"	67	18
Total Value Marketed			<u>47</u>
<u>Salmon landed</u>	000 lb.	75 154	18 401
Marketed			
Fresh round	"	4 941	1 260
Fresh dressed	"	8 606	3 536
Frozen round	"	28	11
Frozen dressed	"	12 907	6 870
Frozen fillets and frozen steaks	"	233	145
Mild cured	"	510	491
Smoked	"	268	265
Canned	48-lb. cases	631 150	22 768
Offal Meal	tons	724	68
Oil	000 lb.	547	34
Viscera and heads	"	2 192	52
Roe	58-lb. cases	6 081	121
Other	--	--	342
Total Value Marketed			<u>35 963</u>

(1) Includes mink feed, fish of minor importance, and some landings for which no breakdown into species was available; or only one firm reporting.

(2) Production includes offal from other species.

* Includes Federal Government Subsidy of 10¢ or 12¢ per pound for greyfish livers, amounting to \$121,479.

TABLE 3 (Cont'd) - LANDINGS AND MANUFACTURED PRODUCTS MARKETING IN B. C. - 1960

<u>Kind of Fish</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Value</u> <u>\$ (000's)</u>
<u>Smelts landed</u>	000 lb.	65	8
Marketed			
Fresh and frozen	"	64	14
Total Value Marketed			<u>14</u>
<u>Shrimps and Prawns landed</u>	000 lb.	1 678	299
Marketed			
Fresh and frozen	"	37	17
Fresh Meat	"	227	243
Frozen Meat	"	189	210
Other	--	--	59
Total Value Marketed			<u>529</u>
<u>Skate landed</u>	000 lb.	129	5
Marketed			
Fresh, frozen, wings & fillets	"	76	11
Total Value Marketed			<u>11</u>
<u>Soles landed *</u>	000 lb.	7 637	407
Marketed			
Fresh	"	1 113	109
Frozen	"	30	4
Fresh fillets	"	576	203
Frozen fillets	"	1 294	479
Total Value Marketed			<u>795</u>
<u>Sturgeon landed</u>	000 lb.	33	8
Marketed			
Fresh and frozen	"	33	11
Total Value Marketed			<u>11</u>

SUMMARY OF LIVER PRODUCTION

	<u>LANDED</u>	
	<u>000 lbs.</u>	<u>\$000</u>
Halibut Livers	98	9
Black Cod Livers	9	3
Ling Cod Livers	38	9
Greyfish Livers (1)	1 088	160
Total Landed Value (1)		<u>181</u>
	<u>MARKETED</u>	
	<u>M/U's</u>	<u>\$000</u>
Greyfish Vitamin Oil	1 950 401	72
Other Vitamin Oil	680 838	51
Livers in Storage(000 lb.)	23	3
Total Value Marketed		<u>126</u>

* Not including quantity used for non-food purposes.

(1) Includes Federal Government subsidy on greyfish livers amounting to 10¢ per pound between January - March; and 12¢ per pound between October - December. The total amount paid on 1960 deliveries amounted to \$121,479.

TABLE 4 - BRITISH COLUMBIA SALMON PACK - AREA WHERE CANNED, 1960

(48 lb. Cases)

AREA	SOCKEYE	RED SPRING	PINK SPRING	WHITE SPRING	STEELHEADS	BLUEBACKS	COHO	PINKS	CHUMS	TOTAL
Districts 1 & 3	172 505	1 113 1/2	1 436	1 151 1/2	339 1/2	23 345	41 194 1/2	52 689 1/2	47 081	340 855 1/2
District 2	54 339	458 1/2	1 056	700	164 1/2		26 965	166 874 1/2	39 737 1/2	290 295
TOTAL	226 844	1 572	2 492	1 851 1/2	504	23 345	68 159 1/2	219 564	86 818 1/2	631 150 1/2

1960 canned production from 1959 stock (not included above):

	<u>Cases</u>	<u>\$</u>
Sockeye	68	3 719
Pink Spring	20	520
Steelheads	26	520
Coho	1 078	42 942
Pinks	94	2 436
Chums	1 065	22 365
TOTAL	<u>2 351</u>	<u>72 502</u>

TABLE 5 - INVENTORY OF BOATS 10 TONS & OVER
IN BRITISH COLUMBIA - 1960

Type of Boat	DIESEL			GAS			TOTAL		
	No. Boats	No. Tons	Value \$(000's)	No. Boats	No. Tons	Value \$(000's)	No. Boats	No. Tons	Value \$(000's)
Packer	122	5 625	5 132	6	101	91	128	5 726	5 223
Seiner	241	7 291	7 748	17	200	196	258	7 491	7 944
Long Liner	27	418	442	4	50	52	31	468	494
Collector	26	311	328	21	252	261	47	563	589
Seiner-Packer	49	1 642	1 860	5	67	53	54	1 709	1 913
Seiner-Long Liner	40	1 383	1 881	2	32	24	42	1 415	1 905
Long Liner-Packer	39	1 414	1 123	1	10	8	40	1 424	1 131
Other & Not Classified	299	5 991	7 079	149	1 703	1 657	448	7 694	8 736
TOTAL	843	24 075	25 593	205	2 415	2 342	1 048	26 490	27 935

TABLE 6 - INVENTORY OF BOATS LESS THAN 10 TONS
IN BRITISH COLUMBIA - 1960

Type of Boat	Longer than 20 ft.		20 ft. or less		TOTAL	
	No. Boats	\$(000's)	No. Boats	\$(000's)	No. Boats	\$(000's)
Gillnet - Gas	3 069	9 841	242	131	3 311	9 972
Gillnet - Diesel	105	1 164			105	1 164
Gillnet - Row or Canoe			29	3	29	3
Troll - Gas	1 475	5 966	1 215	501	2 690	6 467
Troll-Diesel & Steam	123	1 332			123	1 332
Troll - Row or Canoe			148	15	148	15
Other - Gas (1)	372	1 201	230	284	602	1 485
Other - Diesel (1)	31	317			31	317
Other - Row or Canoe			409	88	409	88
Collector - Gas	82	419			82	419
Collector - Diesel	45	404			45	404
TOTAL	5 302	20 644	2 273	1 022	7 575	21 666

Number of Men Engaged in Primary Fishery (Table 5 - Table 6)

Total fishermen licensed (2)	14 191
Number of men on packers, collectors	968
TOTAL MEN	15 159

(1) Includes combination

(2) See Licence Summary - Table 8

TABLE 7 - INVENTORY AT END OF CALENDAR YEAR OF GEAR AND EQUIPMENT USED
IN PRIMARY FISHERY - 1960

TYPE OF GEAR	NUMBER	VALUE \$ (000's)
Salmon Gillnets	8 022	2 692
Herring Gillnets	159	6
Smelt Gillnets	52	2
Eulachon Gillnets	39	4
Grayfish Gillnets	271	12
Salmon Purse Seines	509	1 697
Salmon Drag Seines	13	13
Herring Purse Seines	110	845
Herring Trawl Nets	28	17
Other Seines	89	24
Trawl Nets & Fittings	134	83
Shrimp Trawl Nets	181	36
Troll Lines, Wire	11 384	415
Troll Lines, Cotton & Nylon	2 045	40
Skates of Gear	8 721	403
Crab Traps	15 874	309
Shrimp Traps	1 240	7
Oyster Rakes & Baskets	-	1
Clam Forks	660	2
Tuna Gear	-	1
Wharves, Floats, Net Racks	-	791
Ice Houses & Freezers	6	58
Buying Scows & Barges	188	1 057
Bluestone Barrels (1)	1 108	26
Herring Pounds	35	4
TOTAL VALUE		8 545

(1) Becoming obsolete with advent of synthetic nets

TABLE 8 - NUMBER OF FISHERMEN LICENSED IN BRITISH COLUMBIA, 1953 - 1960

	1953	1954	1955	1956	1957	1958	1959	1960
<u>ONE LICENCE ONLY</u>								
Gillnet	3 764	3 742	3 109	2 868	3 102	3 907	3 522	3 448
Captain Salmon Purse Seine	212	165	143	172	157	168	171	166
Troll	3 446	3 429	2 861	2 647	3 153	3 894	4 403	4 266
Assistant Salmon Purse Seine	1 765	1 773	1 483	1 376	1 420	1 447	1 528	1 474
Halibut	117	263	539	498	526	477	486	450
Assistant Herring	108	70	78	192	(461	(593	(786	(773
One Other Licence	432	443	430	466	((((
TOTAL WITH ONE LICENCE	9 844	9 885	8 643	8 219	8 819	10 486	10 896	10 577
<u>TWO LICENCES</u>								
Gillnet & Troll	176	234	186	182	214	383	337	408
Gillnet & A/Seine	79	89	73	79	74	73	52	57
Gillnet & Halibut	209	307	383	274	417	430	303	269
Gillnet & 1 Other Licence	294	330	331	306	325	366	382	388
Captain Salmon & Herring Asst.	32	44	56	49	37	42	36	45
Captain Salmon & Herring Capt.	44	59	53	51	61	60	61	51
Captain Salmon-Halibut	28	56	77	60	64	62	55	43
Captain Salmon-Troll	63	64	55	58	62	66	59	52
Captain Salmon & 1 Other	31	26	21	29	22	24	31	27
Troll & Seine Asst.	222	207	149	144	163	189	187	184
Troll & Halibut	74	81	136	77	88	86	95	73
Troll & 1 Other	228	265	252	192	280	405	448	520
Asst. Salmon & Herring Asst.	305	447	345	290	395	404	341	227
Asst. Salmon & Halibut	28	59	267	156	211	239	240	206
Asst. Salmon & 1 Other	45	69	87	60	49	75	65	89
Two Other Licences Not Salmon	46	60	81	160	94	88	124	132
TOTAL WITH TWO LICENCES	1 904	2 397	2 552	2 167	2 556	2 992	2 816	2 771
<u>THREE OR MORE LICENCES</u>								
Gillnet, Troll & 1 Other	64	102	91	107	124	200	169	223
Gillnet & Two Other	64	66	101	93	90	138	131	144
Gillnet & Three or More Licences	11	15	22	16	46	32	36	53
Troll & Two or More Licences	83	130	168	123	169	151	150	163
Captain Salmon & 2 or More	26	44	57	26	42	58	58	64
Asst. Salmon, Asst. Herring & Halibut	2	18	188	70	144	157	153	117
Asst. Salmon & 2 or More Licences	10	20	34	25	20	51	50	67
Three or More Other Types of Licences		3	4	7	6	1	4	12
TOTAL WITH THREE OR MORE LICENCES	260	398	665	467	641	788	751	843
TOTAL NUMBER OF LICENCEES	12 008	12 680	11 860	10 853	12 016	14 266	14 463	14 191

Source: British Columbia Licence Report Summary - 1960 - March 17, 1961.

Department of Fisheries
Economics Branch,
Pacific Area.