

FISHERIES RESEARCH BOARD OF CANADA
BIOLOGICAL STATION
ST. JOHN'S, NEWFOUNDLAND

Catch Statistics of the
Canadian and United States
trawl fishery for Pacific cod
(*Gadus macrocephalus*),
1935-65

by K. S. Ketchen
and D. M. Holmberg

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TECHNICAL REPORT NO. 12

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CATCH STATISTICS OF THE CANADIAN AND UNITED STATES
TRAWL FISHERY FOR PACIFIC COD (Gadus macrocephalus),
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Biological Station, Nanaimo, B. C.

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FOREWORD

The Pacific cod has assumed a position of major importance in the groundfish fishery off the British Columbia coast. As an aid to investigation of the population dynamics of cod and reporting on other subjects, all available catch statistics of the fishery have been brought together in this report. Heretofore, such information has existed in less readily available form in general statistical circulars of the Nanaimo Station dealing with the landings of all species in British Columbia, and in Data Series of the Pacific Marine Fisheries Commission and other sources dealing with the United States fishery.

Although some of the tables include information dating from as early as 1935, most of them cover only the period 1954 to 1965. It was not until 1954 that a statistical system was developed in the United States (particularly the State of Washington) which provided information on catch, broken down by major areas of the British Columbia coast and by month.

Tables pertaining to the Canadian fishery alone contain further detail on catches made in sub-areas of the major fishing areas.

Table 1. Pacific cod. Total landings by Canada and the United States from waters off British Columbia, Washington and Oregon
(Figures in millions of lb, round weight)

Year	Canada	U.S.A.	Total	Year	Canada	U.S.A.	Total
1935	2.2	0.1	2.3	1951	5.7	8.6	14.3
1936	1.1	0.2	1.3	1952	4.9	10.1	15.0
1937	1.9	0.6	2.5	1953	3.5	8.3	11.8
1938	2.5	0.5	3.0	1954	6.9	14.0	20.9
1939	2.2	0.7	2.9	1955	4.6	12.9	17.5
1940	2.2	0.7	2.9	1956	5.2	9.7	14.9
1941	1.3	1.6	2.9	1957	8.5	11.8	20.3
1942	0.9	1.2	2.1	1958	10.1	12.6	22.7
1943	2.1	1.1	3.2	1959	9.2	13.3	22.5
1944	1.3	1.0	2.3	1960	6.8	5.5	12.3
1945	1.6	4.2	5.8	1961	4.5	3.1	7.6
1946	2.9	4.6	7.5	1962	5.9	3.2	9.1
1947	0.9	2.5	3.4	1963	8.9	6.4	15.3
1948	0.9	5.4	6.3	1964	15.5	6.4	21.9
1949	1.7	5.5	7.2	1965	24.5	10.1	34.6
1950	2.5	6.4	8.9				

Table 2. Pacific cod. Total Canadian and United States landings by major statistical areas along the North American coast.
 (Figures in thousands of lb, round weight)

Area	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
5D	4,379	4,133	2,333	4,704	8,669	9,411	4,316	3,489	3,362	4,860	7,514	12,918
5C	552	685	938	410	2,800	1,887	886	73	362	1,594	4,010	7,058
Sub-total	4,931	4,818	3,271	5,114	11,469	11,298	5,202	3,562	3,724	6,454	11,524	19,976
5B	2,165	1,035	1,310	1,101	1,095	766	851	312	547	859	1,679	2,519
5A	2,099	1,500	2,556	4,949	1,502	1,321	513	217	384	633	1,131	1,757
Sub-total	4,264	2,535	3,866	6,050	2,597	2,087	1,364	529	931	1,492	2,810	4,276
4B	2,657	2,051	1,202	1,346	1,382	2,175	1,642	900	1,053	1,486	1,571	1,048
4A	668	934	1,128	1,689	2,389	1,701	890	832	1,396	1,865	1,782	1,591
Sub-total	3,325	2,985	2,330	3,035	3,771	3,876	2,532	1,732	2,449	3,351	3,353	2,639
3D	364	931	706	513	192	516	102	66	146	120	209	562
3C	3,720	2,428	2,528	3,489	1,683	1,484	1,300	860	1,250	2,636	2,519	5,588
3B	3,486	3,528	1,993	1,585	2,599	2,955	1,539	771	581	1,184	1,406	1,378
Sub-total	7,570	6,887	5,227	5,587	4,474	4,955	2,941	1,697	1,977	3,940	4,134	7,528
3A	203	84	37	176	29	85	79	7	10	41	116	107
2D	560	230	144	338	340	160	134	77	10	41	116	107
2C	17	6	21	7	2	..	5	1	6	3	10	24
2B	..	..	..	2	..	..	..	4	..	..	2	51
Sub-total	780	320	202	523	371	245	218	89	16	44	128	182
Grand total	20,870	17,545	14,896	20,309	22,682	22,461	12,257	7,609	9,097	15,281	21,949	34,601

Table 3. Pacific cod. Landings by country by major statistical areas in the vicinity of the Canadian coast.
 (Figures in thousands of pounds round weight)

Year	Area 4			Area 3B			Area 3C			Area 3D			Area 5A			Area 5B			Area 5C			Area 5D			All Areas				
	Canada	Total	USA	Canada	Total	USA	Canada	Total	USA	Canada	Total	USA	Canada	Total	USA	Canada	Total	USA	Canada	Total	USA	Canada	Total	USA	Total				
1948	241	?	?	**	?	?	363	?	?	8	?	?	22	?	?	61	?	?	19	?	?	206	?	?	920	5,266	6,186		
1949	554	?	?	**	?	?	522	?	?	15	?	?	64	?	?	69	?	?	7	?	?	496	?	?	1,682	5,494	7,176		
1950	947	?	?	**	?	?	433	?	?	21	?	?	139	?	?	117	?	?	404	?	?	2,467	?	?	6,321	6,788			
1951	1,669	?	?	**	?	?	792	?	?	14	?	?	63	?	?	133	?	?	31	?	?	5,719	6,381	14,100					
1952	1,766	?	?	**	?	?	1,161	?	?	7	?	?	1,744	?	?	1,744	?	?	4,685	9,892	14,777								
1953	1,849	?	?	**	?	?	1,015	?	?	8	?	?	47	?	?	203	?	?	1	?	?	331	?	?	3,454	8,169	11,623		
1954	2,656	668	3,224	**	3,486	3,486	2,311	1,410	3,721	14	354	368	69	2,030	2,099	106	2,060	2,166	32	633	665	1,736	2,530	4,266	6,924	13,171	20,095		
1955	2,051	934	2,965	**	3,528	3,528	948	1,479	2,427	148	783	931	19	1,481	1,500	136	899	1,035	115	570	605	1,205	2,928	4,133	4,622	12,602	17,24		
1956	1,203	1,127	2,330	**	1,994	1,994	1,284	1,168	2,452	194	527	721	405	2,114	2,519	297	1,019	1,316	806	361	1,175	905	1,200	2,165	5,154	9,518	14,672		
1957	1,345	1,488	3,030	3	1,754	1,757	2,258	1,272	3,530	150	378	528	2,032	3,041	5,073	406	707	1,113	338	756	1,096	1,973	2,273	4,246	8,205	11,866	20,373		
1958	1,362	2,389	3,771	10	2,774	2,784	1,155	527	1,682	28	191	219	290	1,256	1,548	760	297	1,077	2,096	1,284	3,680	4,316	3,348	7,664	10,407	12,368	22,425		
1959	2,175	1,701	3,876	**	2,925	2,925	862	622	1,484	25	490	515	717	634	1,321	655	110	765	600	1,289	1,687	4,153	5,258	9,411	9,487	13,027	22,214		
1960	1,641	892	2,531	1	1,539	1,540	533	766	1,299	12	89	101	299	214	513	549	282	831	673	213	606	3,084	1,148	4,232	6,812	5,141	11,953		
1961	900	832	1,732	3	768	771	551	308	859	24	42	66	122	94	216	220	92	312	70	3	73	2,658	831	3,489	4,448	2,970	7,518		
1962	1,053	1,396	2,449	54	527	581	626	624	1,250	100	46	146	147	237	364	407	140	547	361	1	362	3,186	176	3,362	5,934	3,147	9,081		
1963	1,486	1,865	3,351	18	1,165	1,183	1,549	1,087	2,646	38	82	120	63	550	633	262	597	899	1,423	171	1,594	4,061	800	4,861	8,920	6,317	15,237		
1964	1,571	1,782	3,353	27	1,379	1,406	2,019	500	2,519	175	34	209	74	377	1,131	474	1,205	1,679	3,725	285	4,010	6,796	7,119	7,525	15,341	6,291	21,822		
1965	1,048	1,451	2,439	**	1,378	1,378	2,512	3,076	5,488	484	78	562	652	1,105	1,757	866	1,653	2,519	6,583	475	7,028	12,321	590	12,916	24,466	9,951	34,417		

Table 4.1. Canadian and United States production of Pacific cod from northern Hecate Strait (Area 5D),
by year and by quarter. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January to March</u>												
Canada	714	642	335	862	2,586	2,263	1,596	1,405	1,641	2,202	1,537	3,635
U.S.A.	1,310	1,449	792	1,419	1,557	3,125	314	576	130	378	368	447
Total	2,024	2,091	1,127	2,281	4,133	5,388	1,910	1,981	1,771	2,580	1,905	4,082
<u>April to June</u>												
Canada	842	243	466	539	916	304	318	604	254	434	920	1,085
U.S.A.	777	861	485	763	1,202	502	342	180	34	239	192	146
Total	1,619	1,104	951	1,302	2,118	806	660	784	288	673	1,112	1,231
<u>July to September</u>												
Canada	11	106	123	103	116	894	826	433	1,029	948	3,018	6,035
U.S.A.	537	596	37	83	790	1,041	505	49	..	166	..	..
Total	548	702	160	186	906	1,935	1,331	482	1,029	1,114	3,018	6,035
<u>October to December</u>												
Canada	170	213	40	469	700	691	344	216	262	476	1,321	1,568
U.S.A.	25	23	56	466	813	592	72	27	13	17	159	2
Total	195	236	96	935	1,513	1,283	416	243	275	493	1,480	1,570
Total Canada	1,737	1,204	964	1,973	4,318	4,152	3,084	2,658	3,186	4,060	6,796	12,323
Total U.S.A.	2,645	2,929	1,370	2,731	4,352	5,260	1,233	832	177	800	719	595
Grand total	4,392	4,133	2,334	4,704	8,670	9,412	4,317	3,490	3,363	4,860	7,515	12,918

Table 4.2. Canadian production of Pacific cod from northern Hecate Strait (Area 5D), by year, by quarter, by major fishing grounds. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>												
White Rocks	357	308	214	488	2,150	1,896	1,449	1,147	1,361	1,728	900	2,166
Warrior-Two Peaks	355	334	121	336	428	367	145	258	280	463	636	1,469
Other	2	..	..	38	8	..	2	..	..	11	1	..
Total	714	642	335	862	2,586	2,263	1,596	1,405	1,641	2,202	1,537	3,635
<u>April-June</u>												
White Rocks	19	44	..	110	209	..	133	65	4	67	136	611
Warrior-Two Peaks	823	199	465	428	699	284	182	513	250	361	784	454
Other	..	..	1	1	8	20	3	26	..	6	..	20
Total	842	243	466	539	916	304	318	604	254	434	920	1,085
<u>July-September</u>												
White Rocks	..	..	4	..	..	18	4	12	72	88	134	676
Warrior-Two Peaks	11	106	119	103	116	876	822	421	951	858	2,876	5,359
Other	..	..	..	..	..	..	..	..	6	2	8	..
Total	11	106	123	103	116	894	826	433	1,029	948	3,018	6,035
<u>October-December</u>												
White Rocks	104	184	4	467	474	476	189	177	238	334	885	1,256
Warrior-Two Peaks	66	29	36	2	226	215	155	39	13	139	413	269
Other	..	..	..	..	..	..	..	..	11	3	23	43
Total	170	213	40	469	700	691	344	216	262	476	1,321	1,568
Grand total	1,737	1,204	964	1,973	4,318	4,152	3,084	2,658	3,186	4,060	6,796	12,323

Table 5.1. Canadian and United States production of Pacific cod from southern Hecate Strait (Area 5C), by year and by quarter. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January to March</u>												
Canada	..	..	..	23	182	5	2	1	1	..	81	319
U.S.A.	..	..	..	1	44	68	..	..	..	..	..	..
Total	..	..	..	24	226	73	2	1	1	..	81	319
<u>April to June</u>												
Canada	32	104	561	150	1,635	396	328	60	138	1,153	3,192	4,416
U.S.A.	278	308	146	..	614	739	209	..	1	169	190	463
Total	310	412	707	150	2,249	1,135	537	60	139	1,322	3,382	4,879
<u>July to September</u>												
Canada	..	11	224	106	278	132	341	10	209	270	294	1,803
U.S.A.	237	262	7	..	..	510	5	..	..	..	84	12
Total	237	273	231	106	278	642	346	10	209	270	378	1,815
<u>October to December</u>												
Canada	..	..	..	59	..	39	2	..	13	1	157	45
U.S.A.	..	..	..	72	46	..	..	2	..	2	11	..
Total	..	..	..	131	46	39	2	2	13	3	168	45
Total Canada	32	115	785	338	2,095	572	673	71	361	1,424	3,724	6,583
Total U.S.A.	515	570	153	73	704	1,317	214	2	1	171	285	475
Grand total	547	685	938	411	2,799	1,889	887	73	362	1,595	4,009	7,058

Table 5.2. Canadian production of Pacific cod from southern Hecate Strait (Area 5C), by year, by quarter, by major fishing grounds. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>												
Horseshoe-Ole	..	..	..	23	182	5	2	..	..	..	81	319
Other	..	..	..	..	..	..	..	1	1	..	..	..
Total	..	..	..	23	182	5	2	1	1	..	81	319
<u>April-June</u>												
Horseshoe-Ole	32	104	561	150	1,635	396	328	60	138	1,152	3,192	4,416
Other	..	..	..	..	..	..	..	..	..	1	..	..
Total	32	104	561	150	1,635	396	328	60	138	1,153	3,192	4,416
<u>July-September</u>												
Horseshoe-Ole	..	11	224	106	278	132	341	10	208	269	294	1,803
Other	..	..	..	..	..	..	..	..	1	1	..	..
Total	..	11	224	106	278	132	341	10	209	270	294	1,803
<u>October-December</u>												
Horseshoe-Ole	..	..	..	59	..	39	2	..	13	1	157	45
Other	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	59	..	39	2	..	13	1	157	45
Grand total	32	115	785	338	2,095	572	673	71	361	1,424	3,724	6,583

Table 6. Canadian and United States production of Pacific cod from Northern Queen Charlotte Sound (Area 5B), by year and by quarter. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January to March</u>												
Canada	..	1	..	..	13	15	..	1	5	7	25	
U.S.A.	?	397	255	87	20	9	88	19	0	47	10	
Total	?	398	255	87	20	22	103	29	20	5	54	35
<u>April to June</u>												
Canada	24	134	81	314	567	466	206	207	194	105	209	631
U.S.A.	?	312	332	193	177	83	144	43	46	396	439	1,024
Total	?	446	413	507	744	549	350	250	240	501	648	1,655
<u>July to September</u>												
Canada	81	1	216	75	213	175	345	13	210	152	254	204
U.S.A.	?	112	349	66	25	6	45	16	61	185	572	607
Total	?	113	565	141	238	181	390	29	271	337	826	811
<u>October to December</u>												
Canada	..	..	..	18	..	1	3	..	2	..	4	6
U.S.A.	?	78	77	348	93	13	5	4	14	16	147	12
Total	?	78	77	366	93	14	8	4	16	16	151	18
Total Canada	105	136	297	407	780	655	569	220	407	262	474	866
Total U.S.A.	2,060	899	1,013	694	315	111	282	92	140	597	1,205	1,653
Grand total	2,165	1,035	1,310	1,101	1,095	766	851	312	547	859	1,679	2,519

Table 7. Canadian and United States production of Pacific cod from southern Queen Charlotte Sound (Area 5A), by year and by quarter. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January to March</u>												
Canada	1	..	1	97	33	52	3	..	19	..	..	4
U.S.A.	?	576	369	346	215	69	17	28	61	29	36	5
Total	?	576	370	443	248	121	20	28	80	29	36	9
<u>April to June</u>												
Canada	34	17	159	903	203	466	164	105	48	23	320	306
U.S.A.	?	131	545	932	535	299	142	37	53	124	142	302
Total	?	148	704	1,835	738	765	306	142	101	147	462	608
<u>July to September</u>												
Canada	32	2	245	973	47	199	102	15	77	50	224	151
U.S.A.	?	365	587	763	351	147	30	7	98	355	102	308
Total	?	367	832	1,736	398	346	132	22	175	405	326	459
<u>October to December</u>												
Canada	2	..	..	59	8	..	30	2	3	10	210	191
U.S.A.	?	409	650	876	110	89	25	23	25	42	97	490
Total	?	409	650	935	118	89	55	25	28	52	307	681
Total Canada	69	19	405	2,032	291	717	299	122	147	83	754	652
Total U.S.A.	2,030	1,481	2,151	2,917	1,211	604	214	95	237	550	377	1,105
Grand total	2,099	1,500	2,556	4,949	1,502	1,321	513	217	384	633	1,131	1,757

Table 8. Canadian production of Pacific cod from Queen Charlotte Sound (Areas 5A and 5B), by year, by quarter, by major fishing grounds. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>												
Goose Island	..	1	..	..	..	13	15	..	1	5	7	25
Cape Scott	1	..	1	97	33	52	3	..	19	..	..	4
Other	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	97	33	65	18	..	20	5	7	29
<u>April-June</u>												
Goose Island	24	134	81	314	567	466	206	207	194	105	209	631
Cape Scott	34	17	159	903	203	466	164	105	48	22	306	306
Other	..	..	..	..	..	..	..	..	..	1	14	..
Total	58	151	240	1,217	770	932	370	312	242	128	529	937
<u>July-September</u>												
Goose Island	81	1	216	75	213	175	345	13	210	152	254	204
Cape Scott	32	2	245	973	47	199	39	15	67	49	216	151
Other	..	..	..	..	..	..	63	..	10	1	8	..
Total	113	3	461	1,048	260	374	447	28	287	202	478	355
<u>October-December</u>												
Goose Island	..	..	..	18	..	1	3	..	2	..	4	6
Cape Scott	2	..	..	59	8	..	30	2	3	10	210	191
Other	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	..	..	77	8	1	33	2	5	10	214	197
Grand total	174	155	702	2,439	1,071	1,372	868	342	554	345	1,228	1,518

Table 9.1. Canadian and United States production of Pacific cod from the upper west coast of Vancouver Island (Area 3D), by year and by quarter. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January to March</u>												
Canada	..	1	59	62	5	..	7	4	21	..	2	167
U.S.A.	?	341	316	306	17	2	29	24	11	19	8	29
Total	?	342	375	368	22	2	36	28	32	19	10	196
<u>April to June</u>												
Canada	11	112	128	87	25	19	2	..	73	10	27	221
U.S.A.	?	397	194	53	142	488	49	13	9	46	5	10
Total	?	509	322	140	167	507	51	13	82	56	32	231
<u>July to September</u>												
Canada	2	35	8	2	32	6	1	19	6	28	143	91
U.S.A.	?	45	..	..	..	..	9	2	16	8	6	7
Total	?	80	8	2	32	6	10	21	22	36	149	98
<u>October to December</u>												
Canada	..	..	..	..	..	..	2	1	..	..	3	5
U.S.A.	?	..	1	5	5	1	3	3	10	9	15	32
Total	?	..	1	5	5	1	5	4	10	9	18	37
Total Canada	13	148	195	151	62	25	12	24	100	38	175	484
Total U.S.A.	354	783	511	364	164	491	90	42	46	82	34	78
Grand total	367	931	706	513	192	516	102	66	146	120	209	562

Table 9.2. Canadian production of Pacific cod from the upper west coast of Vancouver Island (Area 3D), by year, by quarter, by major fishing grounds. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>												
Quatsino	..	..	..	..	..	..	4	..	..	..	2	165
Kyuquot	..	..	20	62	5	..	3	4	21	..	..	..
Esperanza-Nootka	..	..	39	..	..	..	..	..	..	..	..	1
Total	..	..	59	62	5	..	7	4	21	..	2	166
<u>April-June</u>												
Quatsino	..	..	18	..	12	2	..	..	17	..	26	220
Kyuquot	..	3	107	87	9	17	..	..	55	9	..	1
Esperanza-Nootka	11	109	4	..	4	..	2	..	1	..	1	..
Total	11	112	129	87	25	19	2	..	73	9	27	221
<u>July-September</u>												
Quatsino	..	..	6	2	1	..	..	1	..	..	143	85
Kyuquot	..	7	..	..	1	6	..	17	..	28	3	..
Esperanza-Nootka	2	28	1	..	30	..	2	..	6	..	..	6
Total	2	35	7	2	32	6	2	18	6	28	146	91
<u>October-December</u>												
Quatsino	..	..	..	..	..	..	..	1	..	..	..	5
Kyuquot	..	..	..	..	..	..	1	..	..	..	..	1
Esperanza-Nootka	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	1	..	..	..	6
Grand total	13	147	195	151	62	25	12	23	100	37	175	484

Table 10.1. Canadian and United States production of Pacific cod from the lower west coast of Vancouver Island (Area 3C), by year and by quarter. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January to March</u>												
Canada	142	16	26	21	49	27	8	..	32	270	509	573
U.S.A.	?	154	15	67	77	4	31	4	181	390	13	1,475
Total	?	170	41	88	126	31	39	4	213	660	522	2,048
<u>April to June</u>												
Canada	1,617	699	893	1,622	705	568	299	346	354	1,119	1,195	1,236
U.S.A.	?	1,051	717	748	195	259	408	188	277	447	333	812
Total	?	1,750	1,610	2,370	900	827	707	534	631	1,566	1,528	2,048
<u>July to September</u>												
Canada	510	210	145	538	170	190	183	135	206	126	238	520
U.S.A.	?	187	229	326	194	136	185	93	139	235	131	721
Total	?	397	374	864	364	326	368	228	345	361	369	1,241
<u>October to December</u>												
Canada	42	24	221	77	231	77	43	70	34	34	77	183
U.S.A.	?	86	282	89	62	223	143	24	27	15	23	68
Total	?	110	503	166	293	300	186	94	61	49	100	251
Total Canada	2,311	949	1,285	2,258	1,155	862	533	551	626	1,549	2,019	2,512
Total U.S.A.	1,409	1,479	1,243	1,230	528	622	767	309	624	1,087	500	3,076
Grand total	3,720	2,428	2,528	3,488	1,683	1,484	1,300	860	1,250	2,636	2,519	5,588

Table 10.2. Canadian production of Pacific cod from the lower west coast of Vancouver Island (Area 3C), by year, by quarter, by major fishing areas. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>												
Lennard Island	20	6	4	20	16	2	3	..	3	..	3	..
Barkley Sound	2	7	5	1	12	25	4	..	29	21	85	345
Swiftsure	120	3	16	..	21	..	2	..	..	249	421	228
Total	142	16	25	21	49	27	9	..	32	270	509	573
<u>April-June</u>												
Lennard Island	160	29	23	..	6	40	1	2	9	19	30	14
Barkley Sound	1,175	502	669	1,400	597	384	172	219	172	334	630	665
Swiftsure	281	169	202	222	102	144	125	126	174	765	535	558
Total	1,617	700	894	1,622	705	568	298	347	355	1,118	1,195	1,237
<u>July-September</u>												
Lennard Island	21	9	..	..	5	..	5	1	6	..	1	51
Barkley Sound	444	168	90	506	165	178	132	62	115	83	133	322
Swiftsure	45	33	55	31	..	12	46	71	85	43	104	148
Total	510	210	145	537	170	190	183	134	206	126	238	521
<u>October-December</u>												
Lennard Island	..	..	..	2	2	..	1	..	..	..	..	..
Barkley Sound	42	22	218	71	120	53	16	40	21	10	60	178
Swiftsure	..	1	3	5	109	24	26	30	12	25	17	3
Total	42	23	221	78	231	77	43	70	33	35	77	181
Grand total	2,311	949	1,285	2,258	1,155	862	533	551	626	1,549	2,019	2,512

Table 11.1. Canadian production of Pacific cod from the Strait of Georgia, Queen Charlotte Strait, and
Johnstone Strait (Area 4B) by year and by quarter.
 Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
January to March	1,521	1,241	709	837	958	1,383	973	519	551	484	932	535
April to June	364	273	158	114	121	144	240	127	124	403	170	118
July to September	133	132	103	41	25	127	48	47	75	46	48	32
October to December	639	405	233	354	278	521	380	207	303	553	421	364
Grand total	2,657	2,051	1,203	1,346	1,382	2,175	1,641	900	1,053	1,846	1,571	1,049

Table 11.2. Canadian production of Pacific cod from Queen Charlotte Strait and Johnstone Strait (Area 4B-1), by year, by quarter, by major fishing grounds. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>												
Queen Charlotte Strait	3	5	20	8	20	..	10	11	9	13	20	16
Johnstone Strait	1	1	3	61	68	8	..	3	1	1	8	9
Total	4	6	23	69	88	8	10	14	10	14	28	25
<u>April-June</u>												
Queen Charlotte Strait	4	15	9	38	4	7	6	1	1	1	..	11
Johnstone Strait	..	..	..	1	1	..	..	..	1	..	1	..
Total	4	15	9	39	5	7	6	1	2	1	1	11
<u>July-September</u>												
Queen Charlotte Strait	8	..	..	..	..	..	..	..	1	..	..	..
Johnstone Strait	..	..	..	..	..	..	..	..	..	..	..	..
Total	8	..	..	..	..	..	..	..	1	..	..	..
<u>October-December</u>												
Queen Charlotte Strait	16	1	3	19	24	20	8	5	4	3	3	7
Johnstone Strait	2	1	41	16	1	1	2	3	8	4	1	..
Total	18	2	44	35	25	21	10	8	12	7	4	7
Grand total	34	23	76	143	118	36	26	23	25	22	33	43

Table 11.3. Canadian production of Pacific cod from the northern Strait of Georgia (Area 4B-2), by year, by quarter, by major fishing grounds. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>												
Lazo-French Creek	459	344	191	236	121	198	222	82	82	57	139	60
Other	..	..	..	..	..	..	..	..	1	..	..	..
Total	459	344	191	236	121	198	222	82	83	57	139	60
<u>April-June</u>												
Lazo-French Creek	173	36	20	20	2	4	13	69	2	10	..	..
Other	..	..	..	..	..	..	..	..	..	..	..	..
Total	173	36	20	20	2	4	13	69	2	10	..	..
<u>July-September</u>												
Lazo-French Creek	72	37	43	3	9	72	3	..	..	..	..	..
Other	..	..	..	..	..	..	..	..	..	..	..	..
Total	72	37	43	3	9	72	3	..	..	..	..	..
<u>October-December</u>												
Lazo-French Creek	130	46	48	98	20	58	21	36	39	106	20	11
Other	..	3	..	..	..	..	1	1	3	..	..	..
Total	130	49	48	98	20	58	22	37	42	106	20	11
Grand total	834	466	302	357	152	332	260	188	127	173	159	71

Table 11.4 Canadian production of Pacific cod from the southern Strait of Georgia (Area 4B-3), by year by quarter, by major fishing grounds.
Round weights in thousands of pounds.

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>																
Nanose-Trincomali Ch.	261	253	493	364	272	66	203	170	449	424	407	193	137	208	209	68
Swanson-Active Pass	180	425	428	363	741	797	258	330	215	741	293	204	267	181	456	297
Other	4	1	13	2	8	17	14	28	15	13	9	2	5	4	8	12
Total	445	679	934	729	1,021	880	475	528	679	1,178	709	399	409	393	673	377
<u>April-June</u>																
Nanose-Trincomali Ch.	62	30	22	28	31	15	27	10	26	42	50	9	4	110	48	4
Swanson-Active Pass	14	85	75	70	68	132	49	19	22	31	26	5	14	186	54	25
Other	12	19	12	15	74	56	40	23	10	22	16	12	17	16	35	4
Total	88	134	109	123	173	203	116	52	58	95	92	26	35	312	137	33
<u>July-September</u>																
Nanose-Trincomali Ch.	20	2	21	18	3	11	9	1	3	..	tr.	tr.	..	11	..	1
Swanson-Active Pass	26	34	21	31	14	13	10	4	2	1	1	3	3	2	3	3
Other	3	4	6	8	8	7	8	17	tr.	1	tr.	2	tr.	tr.	1	tr.
Total	49	40	48	57	25	31	27	22	5	2	1	5	3	13	4	4
<u>October-December</u>																
Nanose-Trincomali Ch.	48	17	20	58	45	24	20	11	24	43	19	10	5	48	26	11
Swanson-Active Pass	160	290	239	377	389	293	85	162	69	94	131	71	130	259	145	54
Other	3	4	8	1	27	20	11	12	9	12	2	4	6	18	28	13
Total	211	311	267	436	461	337	116	185	102	149	152	85	141	325	199	78
Grand total	793	1,164	1,358	1,345	1,680	1,451	734	787	844	1,424	954	515	588	1,043	1,013	492

Table 11.5. Canadian production of Pacific cod from Juan de Fuca Strait (Area 4B-4), by year, by quarter, by major fishing grounds. Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<u>January-March</u>												
Sooke-Renfrew	..	3	1	..	..	..	9	11	14	4	4	37
Victoria	37	7	19	4	72	..	24	24	36	5	88	33
Total	37	10	20	4	72	..	33	24	47	19	92	70
<u>April-June</u>												
Sooke-Renfrew	4	16	6	..	54	36	124	31	64	60	32	74
Victoria	9	..	5	3	2	1	5	..	22	19	..	1
Total	13	16	11	3	56	37	129	31	86	79	32	75
<u>July-September</u>												
Sooke-Renfrew	30	66	33	16	18	52	40	17	61	33	43	27
Victoria	..	..	..	..	..	1	4	25	10	..	1	1
Total	30	66	33	16	18	53	44	42	71	33	44	28
<u>October-December</u>												
Sooke-Renfrew	14	10	14	20	47	16	17	37	50	41	55	32
Victoria	16	9	11	16	75	278	178	40	59	74	144	235
Total	30	19	25	36	122	294	195	77	109	115	199	267
Grand total	110	111	89	59	268	384	401	174	313	246	367	440

Table 12. United States production of Pacific cod from Puget Sound and United States waters of Georgia Strait and Juan de Fuca Strait (Area 4A), by year, by quarter.
 Round weights in thousands of pounds.

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
January to March	..	414	385	698	1,213	599	286	229	436	724	844	637
April to June	..	306	210	504	404	594	268	255	289	597	564	397
July to September	..	45	81	33	68	133	96	41	91	51	75	118
October to December	..	169	452	454	704	375	240	307	580	493	299	439
Grand total	2,343	934	1,128	1,689	2,389	1,701	890	832	1,396	1,865	1,782	1,591

Table 13. Estimated amounts of Pacific cod in Canadian landings of animal food, by major area and by year.
Round weights in thousands of pounds.

Year		Area 4B	Area 3B	Area 3C	Area 3D	Area 5A	Area 5B	Area 5C	Area 5D	Total
1954	Sample	72	..	36	..	4	..	..	42	154
	Total*	(94)	..	(40)	..	(4)	..	..	(57)	(195)
1955	Sample	54	..	2	..	1	..	..	12	69
	Total	(88)	..	(2)	..	(2)	..	..	(16)	(108)
1956	Sample	44	..	17	..	39	..	22	64	186
	Total	(63)	..	(18)	..	(39)	..	(28)	(66)	(214)
1957	Sample	39	..	4	..	71	..	12	50	176
	Total	(59)	..	(6)	..	(72)	..	(18)	(58)	(213)
1958	Sample	61	..	3	..	9	4	62	202	341
	Total	(116)	..	(3)	..	(9)	(5)	(73)	(213)	(419)
1959	Sample	44	..	5	1	2	..	1	75	128
	Total	(52)	..	(5)	(2)	(2)	..	(5)	(81)	(147)
1960	Sample	21	..	1	..	5	1	4	19	51
	Total	(27)	..	(1)	..	(5)	(1)	(6)	(20)	(60)
1961	Sample	16	..	4	..	..	..	..	10	30
	Total	(19)	..	(4)	..	..	..	..	(11)	(34)
1962	Sample	1	..	..	Tr.	4	1	1	58	65
	Total	(2)	..	..	.	(4)	(1)	(1)	(59)	(67)
1963	Sample	14	..	19	..	..	2	12	99	146
	Total	(24)	..	(37)	..	..	(2)	(18)	(127)	(208)
1964	Sample	5	Tr.	17	5	13	7	163	231	441
	Total	(9)		(27)	(6)	(14)	(7)	(167)	(311)	(541)
1965	Sample	20	..	2	..	1	5	12	109	150
	Total	(35)	..	(3)	..	(1)	(7)	(22)	(150)	(218)

*Estimated on the basis of the proportion of cod in those landings of minkfood for which information was available on species composition.