



PRODUCTION STUDIES

Volume 3

Analysis of the Fishing Operations of 91 Long-Liners and Draggers in the Maritime Provinces and Quebec

1953

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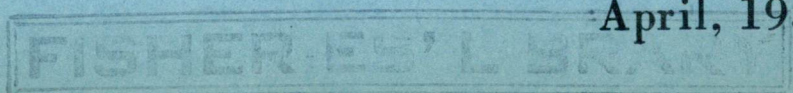
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April, 1954



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FOREWORD

This volume presents the accounting results of the 1953 fishing season for 91 long-liners and draggers operating in the Maritime Provinces and Quebec.

Field work for the calendar year 1953 was completed in February, 1954, and the following number of accounts were closed out:

Type of Boat	Que.	P.E.I.	N.S.	N.B.	Total
<u>Long-liners</u>					
35 - 50 ft. class	4	-	8	-	12
51 - 60 ft. class	7	-	14	-	21
<u>Draggers</u>					
46 - 50 ft. class	4	2	-	11	17
54 - 60 ft. class	4	8	5*	24	41
T o t a l s	19	10	27	35	91

* Dual purpose boats used for long-lining and dragging.

The economic conditions in 1953 were somewhat different from those prevailing in 1952. In general, the prices obtained by fishermen were lower than in the earlier year while there was little change in the costs of materials going into production. The reader, in comparing the 1953 results described in this volume with those for 1952 contained in volume 2 of this study, should bear in mind this change in circumstances.

We acknowledge our debt to those who are co-operating with us in this study: members of the Provincial Fishermen's Loan Boards, fishery inspectors and officials of the Fisheries Board of Canada, plant managers and accountants and fishermen.

As in the previous year, both the field work and analysis of the data collected were carried out under the direction of John Proskie, Officer in Charge of Production Studies for this Service.

W. C. MacKenzie

W.C. MacKenzie, Director,
Markets and Economics Service.

April, 1954.

ANALYSIS OF THE 1953 FISHING OPERATIONS OF 91

LONG-LINERS AND DRAGGERS IN THE

MARITIME PROVINCES AND QUEBEC

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TABLE 1 - DESCRIPTION OF 91 BOATS⁽¹⁾

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
Average per Boat age in years	10.3	9.9	2.4	1.4	1.0	2.5	1.5	3.6	1.0	1.4	1.3
length in feet	44.5	42.3	54.4	55.8	46.3	49.2	47.0	56.0	59.9	57.0	56.3
breadth in feet	13.2	12.4	15.2	15.1	14.0	13.9	14.2	15.4	15.4	15.4	15.9
depth in feet	5.4	5.4	7.1	6.9	7.2	6.7	6.7	6.7	7.0	8.0	9.0
gross tonnage	17.5	16.0	37.9	41.7	28.7	26.4	27.7	38.3	43.7	45.0	47.3
net tonnage	15.7	14.7	32.7	34.2	19.5	22.4	24.2	31.3	37.5	38.8	32.3
shaft H.P. of engines	179	160	140	148	76	126	108	133	170	122	116
speed of boats in knots	10	9	9	11	9	9	9	11	9	9	9
Number of Boats with											
gas engines	3	8	6	-	-	-	-	-	-	-	-
diesel engines	1	-	8	7	2	4	11	24	4	5	8
depth sounder	-	1	14	7	2	4	-	14	4	5	8
radio telephone	-	1	13	7	2	4	5	20	4	5	8
loran	-	-	9	1	-	-	-	-	-	2	1

NOTE: (1) N.S. 54-60 ft. class draggers were originally built for long-lining and later converted to dragging. Now these boats are used for long-lining and dragging purposes and in 1953 the predominant use of these boats was for dragging. In studying the tables the reader is reminded to keep in mind that the N.S. draggers included in this study are dual purpose boats.

TABLE 2 - AVERAGE CAPITAL COSTS PER BOAT FOR 91 BOATS

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
Average Capital (1) Costs per Boat	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
original	7,343	3,668	17,718	25,342	30,942	26,667	25,457	31,144	37,931	26,036	40,158
Total Up to the End of 1953 of this accounted by	7,343	4,417	18,386	25,342	30,980	26,667	25,728	32,815	37,931	26,036	40,235
(1) <u>Hull</u>											
original	3,163	1,806	9,077	15,738	16,570	16,480	15,729	14,306	20,607	12,639	22,352
rebuilt	-	535	377	-	18	-	174	253	-	-	7
total to end of 1953	3,163	2,341	9,454	15,738	16,588	16,480	15,903	14,559	20,607	12,639	22,359
(2) <u>Engine</u>											
original	2,087	1,284	5,336	6,697	9,730	6,091	5,975	11,199	12,337	7,900	11,900
rebuilt	-	214	291	-	20	-	97	1,428	-	-	71
total to end of 1953	2,087	1,498	5,627	6,697	9,750	6,091	6,072	12,627	12,337	7,900	11,971
(3) <u>Specialized Equipment</u> (2)	-	219	2,087	1,785	1,847	1,380	308	1,478	1,887	1,895	1,993
(4) <u>Winch and Gallows or Gurdy</u>	-	25	37	143	1,734	1,929	1,879	1,789	2,056	1,980	2,078
(5) <u>Miscellaneous</u>	-	22	307	-	460	-	187	819	-	166	522
(6) <u>Sub-total (1 to 5)</u>	5,250	4,105	17,512	24,363	30,379	25,880	24,349	31,272	36,887	24,580	38,923
(7) <u>Fishing Gear</u>	2,093	312	874	979	601	787	1,379	1,543	1,044	1,456	1,312

NOTE: (1) Equipped with fishing gear and ready for fishing.

(2) Specialized equipment includes sounders, radio telephone, loran, direction finder, fog horns, search lights, and other related equipment.

TABLE 2(a) - PERCENTAGE DISTRIBUTION OF AVERAGE CAPITAL COSTS OF CONSTRUCTION OF 91 BOATS

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	3	14	7	2	4	11	24	4	5	8
Average Capital ⁽¹⁾ Costs per Boat	%	%	%	%	%	%	%	%	%	%	%
(1) <u>Hull</u>											
original	43.1	40.9	49.4	62.1	53.4	61.8	61.1	43.6	54.3	48.6	55.6
rebuilt	-	12.1	2.0	-	0.1	-	0.7	0.8	-	-	∅
total to end of 1953	43.1	53.0	51.4	62.1	53.5	61.8	61.8	44.4	54.3	48.6	55.6
(2) <u>Engine</u>											
original	28.4	29.1	29.0	26.4	31.4	22.8	23.2	34.1	32.5	30.3	29.6
rebuilt	-	4.8	1.6	-	0.1	-	0.4	4.4	-	-	0.2
total to end of 1953	28.4	33.9	30.6	26.4	31.5	22.8	23.6	38.5	32.5	30.3	29.8
(3) <u>Specialized Equipment</u>	-	4.9	11.3	7.0	6.0	5.2	1.2	4.5	5.0	7.3	4.9
(4) <u>Winch and Gallows or Gurdy</u>	-	0.6	0.2	0.6	5.6	7.2	7.3	5.4	5.4	7.6	5.1
(5) <u>Miscellaneous</u>	-	0.5	1.7	-	1.5	-	0.7	2.5	-	0.6	1.3
(6) <u>Sub-total (1 to 5)</u>	71.5	92.9	95.2	96.1	98.1	97.0	94.6	95.3	97.2	94.4	96.7
(7) <u>Fishing Gear</u>	28.5	7.1	4.8	3.9	1.9	3.0	5.4	4.7	2.8	5.6	3.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTES: (1) Total capital costs up to December 31, 1953.

(2) ∅ - less than one-half of 0.01%.

TABLE 3 - METHOD OF FINANCING CAPITAL COSTS FOR 91 BOATS

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
Average per Boat	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Total Capital Costs ⁽¹⁾ which were financed by	7,343	4,417	18,386	25,342	30,980	26,667	25,728	32,815	37,931	26,036	40,235
(1) Fishermen											
cash down	5,898	1,899	3,733	3,500	4,150	3,500	3,102	3,269	3,500	4,660	3,188
additional payments	1,445	1,324	2,114	888	340	-	790	1,234	-	1,840	1,249
sub-total	7,343	3,223	5,847	4,388	4,490	3,500	3,892	4,503	3,500	6,500	4,437
(2) Federal Subsidy	-	-	4,460	6,899	4,731	4,351	3,515	6,118	7,213	7,424	7,805
(3) FLB and other loans											
original	-	978	7,605	14,055	21,405	18,816	18,156	20,604	27,218	9,053	27,993
additional	-	216	474	-	354	-	165	1,590	-	3,059	-
sub-total	-	1,194	8,079	14,055	21,759	18,816	18,321	22,194	27,218	12,112	27,993
Debt ⁽²⁾ Outstanding as of Dec.31/53	-	317	4,881	15,417	21,132	17,504	17,341	16,123	28,815	8,475	25,034

Notes: (1) Total capital costs up to December 31, 1953. Averages include boats that were built with the aid of the federal grants and also those that were built without this aid.
(2) In some cases the cash down payment by fishermen has been financed by processors or private loans. Total debt outstanding includes debts to FLB, processors, suppliers and to others.

TABLE 3(a) - PERCENTAGE DISTRIBUTION OF FINANCING CAPITAL COSTS FOR 91 BOATS

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
Average per Boat	%	%	%	%	%	%	%	%	%	%	%
Total Capital Costs which were financed by	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(1) Fishermen											
cash down	80.3	43.0	20.3	13.8	13.4	13.1	12.0	10.0	9.2	17.9	7.9
additional payments	29.7	30.0	11.5	3.5	1.1	-	3.1	3.8	-	7.1	3.1
sub-total	100.0	73.0	31.8	17.3	14.5	13.1	15.1	13.8	9.2	25.0	11.0
(2) Federal Subsidy	-	-	24.3	27.2	15.3	16.3	13.7	18.6	19.0	28.5	19.4
(3) FLB and other loans											
Original	-	22.1	41.3	55.5	69.1	70.6	70.6	62.8	71.8	34.8	69.6
additional	-	4.9	2.6	-	1.1	-	0.6	4.8	-	11.7	-
sub-total	-	27.0	43.9	55.5	70.2	70.6	71.2	67.6	71.8	46.5	69.6
Debt Outstanding as of Dec.31/53 as % of Total Costs	-	7.2	26.5	60.8	68.2	65.6	67.4	49.1	76.0	32.5	62.2

TABLE 4 - AVERAGE ORIGINAL CAPITAL COSTS⁽¹⁾ AND METHOD OF FINANCING 72 SUBSIDIZED BOATS

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Year Built	LONG-LINERS					DRAGGERS									
	51-60 ft. Class					46-50 ft. Class					54-60 ft. Class				
	No. Built	Average Costs	Cash Down by Fisherman	Federal Subsidy	FLB and Other Loans	No. Built	Average Costs	Cash Down by Fisherman	Federal Subsidy	FLB and Other Loans	No. Built	Average Costs	Cash Down by Fisherman	Federal Subsidy	FLB and Other Loans
		↓	↓	↓	↓		↓	↓	↓	↓		↓	↓	↓	↓
1947	-	-	-	-	-	-	-	-	-	-	5	24,265	2,400	5,937	15,928
1948	-	-	-	-	-	-	-	-	-	-	6	29,257	2,860	6,273	20,124
1949	-	-	-	-	-	-	-	-	-	-	5	31,086	3,137	6,307	21,642
1950	2	14,897	5,035	3,760	6,102	-	-	-	-	-	3	33,601	2,900	6,456	24,245
1951	1	25,300	1,545	7,095	16,660	3	26,472	3,430	4,361	18,681	3	39,931	4,192	7,764	27,975
1952	9	20,509	5,191	6,652	8,666	11	28,397	3,678	4,371	20,348	1	35,971	5,000	6,432	24,539
1953	5	27,396	5,455	7,249	14,688	1	28,034	3,300	4,370	20,364	12	40,526	4,300	7,515	28,711
1952 ⁽²⁾	Nova Scotia dual purpose boats										5	26,036	6,500	7,424	12,112

NOTES: (1) Equipped with fishing gear and ready for fishing.
 (2) Built originally as long-liners, and later converted to dragging.

TABLE 5 - PROPORTION OF ORIGINAL CAPITAL COSTS FINANCED BY VARIOUS AGENCIES FOR 72 SUBSIDIZED BOATS

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Year Built	LONG-LINERS					DRAGGERS									
	51-60 ft. Class					46-50 ft. Class					54-60 ft. Class				
	No. Built	Average Costs	Cash Down by Fisherman	Federal Subsidy	FLB and Other Loans	No. Built	Average Costs	Cash Down by Fisherman	Federal Subsidy	FLB and Other Loans	No. Built	Average Costs	Cash Down by Fisherman	Federal Subsidy	FLB and Other Loans
	%	%	%	%		%	%	%	%		%	%	%	%	%
1947	-	-	-	-	-	-	-	-	-	-	5	100.0	9.9	24.5	65.6
1948	-	-	-	-	-	-	-	-	-	-	6	100.0	9.8	21.4	68.8
1949	-	-	-	-	-	-	-	-	-	-	5	100.0	10.1	20.3	69.6
1950	2	100.0	33.8	25.2	41.0	-	-	-	-	-	3	100.0	8.6	19.2	72.2
1951	1	100.0	6.1	28.0	65.9	3	100.0	12.9	16.5	70.6	3	100.0	10.5	19.4	70.1
1952	9	100.0	25.3	32.4	42.3	11	100.0	13.0	15.4	71.6	1	100.0	13.9	17.9	68.2
1953	5	100.0	19.9	26.5	53.6	1	100.0	11.8	15.6	72.6	12	100.0	10.6	18.6	70.8
1952	Nova Scotia dual purpose boats										5	100.0	25.0	28.5	46.5

TABLE 6 - AVERAGE ORIGINAL CAPITAL COSTS⁽¹⁾ PER GROSS TON FOR 91 BOATS

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Year Built	Number of boats	LONG-LINERS				DRAGGERS						
		35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
		Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
		4	8	14	7	2	4	11	24	4	5	8
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1934	not subsidized		77									
1937	" "		105									
1939	" "											
1941	" "		299									
1942	" "											
1944	" "											
1945	" "		224									
1946	" "	205	319									
1947	not subsidized		271									
1947	subsidized								674			
1948	not subsidized			602								
1948	subsidized								777			
1949	not subsidized											
1949	subsidized								818			
1950	not subsidized											
1950	subsidized			396								840
1951	not subsidized		192	378								
1951	subsidized			588			993	1,004				849
1952	not subsidized		257	303				165	758			
1952	subsidized			464	602	1,080	1,030	1,080	922		578	
1953	not subsidized	488										
1953	subsidized			681	611			1,078	959	868		851

NOTE: (1) Equipped with fishing gear and ready for fishing.

TABLE 7 - OWNERSHIP OF CAPITAL FOR 91 BOATS

1953 Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS					DRAGGERS					
	35-50 ft.		51-60 ft.			46-50 ft.			54-60 ft.		
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	3
Degree of Ownership ⁽¹⁾ of Boat											
number with 25% ownership	-	-	4	16	4	-	4	8	4	-	4
" " 33 1/3% "	-	-	6	-	-	-	6	9	-	-	-
" " 50% "	2	2	-	2	-	-	2	6	2	-	6
" " 100% "	3	7	11	2	1	4	7	16	2	5	4
Total Number of Owners of these manager owners ⁽²⁾	5	9	21	20	5	4	19	39	8	5	14
	-	-	-	-	-	-	1	2	-	-	-
Total Number of Men Fishing	16	22	69	32	10	12	44	116	18	23	43
% of these owners	31.3	40.9	30.4	62.5	50.0	33.3	40.9	31.9	44.4	21.7	32.6
% of these non-owners ⁽³⁾	68.7	59.1	69.6	37.5	50.0	66.7	59.1	68.1	55.6	78.3	67.4

NOTES: (1) Ownership of capital is a basis for partnership, thus with 25% ownership, there are four partners per boat.

(2) "Manager Owners" are not part of the fishing crews and do not actively engage in fishing.

(3) "Non-owners" are usually called "sharenmen" or "deck-hands". In certain cases they may be skippers (captains) of boats, engineers, cooks, or mot-men.

TABLE 8 - FISHING ACTIVITIES OF 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
<u>Fishing Period</u>											
first date sailed	May 2	Jan.2	Jan.1	May 27	Apr.17	May 27	May 18	May 14	June 23	Jan.3	Apr. 2
last date landed	Sept.19	Dec.31	Dec.31	Dec.15	Jul. 27	Nov.19	Dec.5	Dec.19	Nov.14	Dec.23	Dec.15
<u>Average per Boat</u>											
number of trips	55	82	15	39	40	40	28	26	24	36	21
boat days at sea	56	105	116	57	49	86	94	92	70	123	99
man-days at sea	168	266	500	237	233	321	342	421	286	502	434
man-days ashore ⁽¹⁾	49	43	36	83	51	117	74	87	100	30	88
total man-days worked	217	309	536	320	284	438	416	508	386	532	572
hours actual fishing ⁽²⁾	407	953	1,288	893	533	1,386	1,277	1,152	361	1,066	991
lines fished ⁽³⁾	1,870	8,039	7,292	3,925	-	-	-	-	-	980	-
number of sets or hauls ⁽⁴⁾	57	106	101	73	450	527	569	559	345	10	563
duration of set or haul in hours	7.1	8.9	8.2	12.2	1.2	2.6	2.2	2.1	2.5	11.7	1.8
Hours of Fishing as % of Total Time Spent at Sea	49.1	50.2	51.1	79.7	63.4	81.4	56.9	52.7	52.7	37.3	41.7

Notes: (1) Man-days by the crew in unloading fish, outfitting, maintenance and repairs of boat and gear.

(2) For one of the P.E.I. draggers in the 54-60 ft. class, hours of actual fishing were estimated for 14 trips out of 32, the remainder of which was recorded by the skipper of the dragger.

For 35-50 ft. class of long-liners - Magdalen Island boats also used hook and line fishing and mackerel net fishing in addition to trawls. For N.S. boats 953 hours of fishing comprised 5 hours of swordfishing and 948 for groundfishing.

For 51-60 ft. class of long-liners in N.S. 1,288 hours of fishing comprised 458 hours of swordfishing and 830 for groundfishing

For N.S. 54-60 ft. class of draggers, 1,066 hours of fishing comprised 273 hours of swordfishing, 110 hours of long-lining for groundfish and 683 hours of dragging.

(3) Number of lines reported in 50 fathom units.

(4) Number of sets and duration of set in hours refers to groundfishing only by long-lining for N.S. 35-50 ft. and 51-60 ft. classes of long-liners and for 54-60 ft. class of draggers. Refer to note 2 for actual hours of fishing.

TABLE 9 - DAYS AT SEA PER FISHING TRIP FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
<u>Trips Made Which were</u>											
1 day at sea	216	549	397	190	72	65	8	40	21	58	6
2 days " "	3	40	78	55	4	35	59	90	20	22	7
3 " " "	-	43	18	13	3	31	86	155	15	15	16
4 " " "	-	19	40	7	2	19	123	232	22	41	34
5 " " "	-	1	13	5	-	8	30	96	16	14	56
6 " " "	-	-	15	1	-	-	1	10	1	10	31
7 " " "	-	-	17	-	-	-	-	-	-	7	12
8 " " "	-	-	11	-	-	-	-	1	-	2	5
9 " " "	-	-	8	-	-	-	-	-	-	2	-
10 " " "	-	-	10	-	-	-	-	1	-	-	-
11 " " "	-	-	4	-	-	-	-	-	-	2	-
12 " " "	-	-	8	-	-	-	-	-	-	2	-
13 " " "	-	-	1	-	-	-	-	-	-	-	-
14 " " "	-	-	5	-	-	-	-	-	-	1	-
15 " " "	-	-	2	-	-	-	-	-	-	1	-
16 " " "	-	-	2	-	-	-	-	-	-	-	-
17 " " "	-	-	2	-	-	-	-	-	-	-	-
18 " " "	-	-	-	-	-	-	-	-	-	1	-
Total Trips Made	219	652	631	271	81	158	307	635	95	178	167
Total Days at Sea	222	839	1,620	398	97	344	1,032	2,201	280	617	794
Average Days at Sea per Trip	1.0	1.3	2.6	1.5	1.2	2.2	3.4	3.5	2.9	3.5	4.8

TABLE 9(a) - PERCENTAGE DISTRIBUTION OF FISHING TRIPS ACCORDING TO DAYS AT SEA FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			51-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	9
<u>Trips Made Which Were</u>	%	%	%	%	%	%	%	%	%	%	%
1 day at sea	98.6	84.2	62.9	70.1	88.9	41.2	2.6	6.3	22.1	32.6	3.6
2 days " "	1.4	6.1	12.4	20.3	4.9	22.2	19.2	14.1	21.1	12.4	4.2
3 " " "	-	6.6	2.8	4.8	3.7	19.6	28.0	26.0	15.8	8.4	9.6
4 " " "	-	2.9	6.3	2.6	2.5	12.0	40.1	36.5	23.2	23.0	20.3
5 " " "	-	0.2	2.1	1.8	-	5.1	9.8	15.1	16.8	7.9	33.5
6 " " "	-	-	2.4	0.4	-	-	0.3	1.6	1.0	5.6	18.6
7 " " "	-	-	2.7	-	-	-	-	-	-	3.9	7.2
8 " " "	-	-	1.7	-	-	-	-	0.2	-	1.1	3.0
9 " " "	-	-	1.3	-	-	-	-	-	-	1.1	-
10 " " "	-	-	1.6	-	-	-	-	0.2	-	-	-
11 " " "	-	-	0.6	-	-	-	-	-	-	1.1	-
12 " " "	-	-	1.3	-	-	-	-	-	-	1.1	-
13 " " "	-	-	0.2	-	-	-	-	-	-	-	-
14 " " "	-	-	0.8	-	-	-	-	-	-	0.6	-
15 " " "	-	-	0.3	-	-	-	-	-	-	0.6	-
16 " " "	-	-	0.3	-	-	-	-	-	-	-	-
17 " " "	-	-	0.3	-	-	-	-	-	-	-	-
18 " " "	-	-	-	-	-	-	-	-	-	0.6	-
Total Trips Made	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 10 - NUMBER OF MEN IN CREW PER FISHING TRIP FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.		54-60 ft.				
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
<u>Number of Trips Made With</u>											
two-man crew	1	366	5	-	-	-	-	-	-	-	-
three-man "	211	277	237	36	-	62	110	9	13	54	1
four-man "	7	9	276	166	6	96	197	211	71	103	34
five-man "	-	-	86	69	75	-	-	414	11	16	113
six-man "	-	-	27	-	-	-	-	1	-	-	19
Total Trips	219	652	631	271	81	158	307	635	95	178	167
Average Number Men per Trip	3.1	2.5	4.3	4.1	4.8	3.7	3.6	4.5	4.1	4.0	4.8
Total Man-days at Sea	672	2,128	6,998	1,658	467	1,282	3,757	10,103	1,115	2,509	3,870
Average Man-days at Sea per Boat	168	266	500	237	233	321	341	421	286	502	484
Average Man-days at Sea per Trip	3.1	3.3	11.1	6.1	5.8	8.1	12.2	15.9	12.0	14.1	23.2

TABLE 10(a) - PERCENTAGE DISTRIBUTION OF FISHING TRIPS ACCORDING TO NUMBER OF MEN IN CREW FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			51-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
<u>Number of Trips Made With</u>	%	%	%	%	%	%	%	%	%	%	%
two-man crew	0.5	56.1	0.8	-	-	-	-	-	-	-	-
three-man "	96.3	42.5	37.6	13.3	-	39.2	35.8	1.4	13.7	30.3	0.6
four-man "	3.2	1.4	43.7	61.2	7.4	60.8	64.2	33.2	74.7	60.7	20.3
five-man "	-	-	13.6	25.5	92.6	-	-	65.2	11.6	9.0	67.7
six-man "	-	-	4.3	-	-	-	-	0.2	-	-	11.4
Total Trips	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 11 - TOTAL LANDINGS OF FISH BY 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	Total All Types	LONG-LINERS				DRAGGERS						
		35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
		Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	91	4	8	14	7	2	4	11	24	4	5	8
Total Landings(1)	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
cod	20,562,302	316,320	885,783	1,797,081	1,289,432	8,405	1,342,645	3,173,977	9,786,444	1,261,642	287,309	413,264
haddock	4,722,646	-	435,695	624,560	346	43,603	-	51,615	595,527	-	813,358	2,157,942
pollock	62,036	-	34,666	23,910	-	-	-	100	-	-	2,685	675
hake	1,346,610	-	244,191	230,655	7,765	3,610	6,165	46,940	327,772	2,976	100,242	376,294
cusk	177,205	-	105,378	71,827	-	-	-	-	-	-	-	-
halibut	250,682	374	18,934	220,173	10,582	-	-	-	285	54	280	-
flounders(2)	9,725,742	94,058	3,438	17,519	281	14,350	178,985	1,644,482	4,930,509	106,988	922,136	1,812,996
rosefish	1,155,928	-	-	26	-	-	131,353	-	823,016	197,306	3,052	1,175
catfish	34,974	-	21,352	11,619	-	-	-	-	-	-	293	1,710
swordfish	404,352	-	2,097	350,371	-	-	-	-	-	-	51,884	-
tuna	1,984	-	-	1,984	-	-	-	-	-	-	-	-
mackerel	156,523	67,953	-	-	88,570	-	-	-	-	-	-	-
scallops	634,266	-	-	-	-	510,823	-	-	123,443	-	-	-
shack	477,614	-	144,154	41,065	-	-	86,083	54,810	56,763	71,569	3,580	19,590
Total Fish Landings	39,712,864	478,705	1,895,688	3,390,790	1,396,976	580,791	1,745,231	4,971,824	16,643,859	1,640,535	2,184,819	4,783,646
livers and roe	118,184	-	31,378	41,805	25,391	-	1,660	4,370	10,273	-	3,307	-
Total Landings	39,831,048	478,705	1,927,066	3,432,595	1,422,367	580,791	1,746,891	4,976,194	16,654,132	1,640,535	2,188,126	4,783,646

NOTES: (1) Weight reported in landed form - for swordfish, gutted, head and tail off; mackerel, rosefish and flounders in the round, scallops unshucked, for all others, gutted head on. For Gaspé long-liners for cod and halibut, gutted head off.

(2) Includes plaice and sole.

TABLE 12 - PERCENTAGE DISTRIBUTION OF TOTAL LANDINGS OF FISH BY 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	Total All Types	LONG-LINERS				DRAGGERS						
		35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
		Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	91	4	8	14	7	2	4	11	24	4	5	8
Total Landings in %	%	%	%	%	%	%	%	%	%	%	%	%
Cod	51.6	66.1	45.9	52.4	90.7	1.4	76.9	63.8	58.8	76.9	13.1	8.7
haddock	11.9	-	22.6	18.2	∅	7.5	-	1.0	3.6	-	37.2	15.1
pollock	0.2	-	1.8	0.7	-	-	-	-	∅	-	0.1	∅
hake	3.4	-	12.7	6.7	0.5	0.6	0.4	0.9	2.0	0.2	4.6	7.9
cusk	0.4	-	5.5	2.1	-	-	-	-	-	-	-	-
halibut	0.6	0.1	1.0	6.4	0.8	-	-	-	∅	∅	∅	-
flounders	24.4	19.6	0.2	0.5	∅	2.5	10.2	33.1	29.6	6.5	42.1	37.9
rosefish	2.9	-	-	∅	-	-	7.5	-	4.9	12.0	0.1	∅
catfish	0.1	-	1.1	0.3	-	-	-	-	-	-	0.∅	0.∅
swordfish	1.0	-	0.1	10.2	-	-	-	-	-	-	2.4	-
tuna	0.∅	-	-	0.1	-	-	-	-	-	-	-	-
mackerel	0.4	14.2	-	-	6.2	-	-	-	-	-	-	-
scallops	1.6	-	-	-	-	88.0	-	-	0.7	-	-	-
shack	1.2	-	7.5	1.2	-	-	4.9	1.1	0.3	4.4	0.2	0.4
Total Fish Landings	99.7	100.0	98.4	98.8	98.2	100.0	99.9	99.9	99.9	100.0	99.8	100.0
livers and roe	0.3	-	1.6	1.2	1.8	-	0.1	0.1	0.1	-	0.2	-
Total Landings	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: ∅ Less than one-half of 0.1%.

TABLE 13 - AVERAGE LANDINGS OF FISH PER BOAT IN 1953 FOR 90 BOATS

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS					DRAGGERS					
	35-50 ft.		51-60 ft.			46-50 ft.			54-60 ft.		
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
<u>Average Landings per Boat</u>	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
cod	79,080	110,723	128,363	184,205	4,203	335,661	288,543	407,768	315,411	57,462	57,116
haddock	-	54,462	44,611	49	21,801	-	4,693	24,814	-	162,672	300,122
pollock	-	4,333	1,708	-	-	-	-	4	-	537	96
hake	-	30,524	16,475	1,109	1,805	1,541	4,267	13,657	744	20,048	51,316
cusck	-	13,172	5,131	-	-	-	-	-	-	-	-
halibut	93	2,367	15,726	1,512	-	-	-	12	13	56	-
flounders	23,515	430	1,252	40	7,175	44,746	149,498	205,439	26,747	184,427	253,387
rosefish	-	-	2	-	-	32,838	-	34,292	49,327	610	168
catfish	-	2,669	830	-	-	-	-	-	-	59	244
swordfish	-	262	25,026	-	-	-	-	-	-	10,377	-
tuna	-	-	142	-	-	-	-	-	-	-	-
mackerel	16,988	-	-	12,653	-	-	-	-	-	-	-
scallops	-	-	-	-	255,411	-	-	5,143	-	-	-
shack	-	18,019	2,933	-	-	21,521	4,983	2,365	17,892	716	2,798
Total Fish Landings	119,676	236,961	242,199	199,568	290,395	436,307	451,984	693,494	410,134	436,964	665,247
livers and roe	-	3,922	2,986	3,627	-	415	397	428	-	661	-
Total Landings	119,676	240,883	245,185	203,195 ⁽¹⁾	290,395	436,722	452,381	693,922	410,134	437,625	665,247

NOTE: Average total landings for Quebec long-liners on a comparable basis to other long-liners (i.e. cod and related species; gutted head on) amounted to 243,162 lbs., per boat.

PRECIS

GROUP SEARCH

The author recommends that the single reconnaissance vessel used to locate shoals is insufficient in view of the uncertain locations of fish brought about in the past few years by the warming up of the Arctic and consequent deviation of fish shoals from old established hydrological routes. The author states that the Murmansk trawler fleet has not fulfilled its task for some years now.

TABLE 14 - TOTAL VALUE OF LANDINGS FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	Total All Types	LONG-LINERS				DRAGGERS						
		35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
		Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	91	4	8	14	7	2	4	11	24	4	5	8
<u>Total Value of Landings</u>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
cod	481,787	6,326	27,473	59,162	35,424	147	31,229	67,059	209,209	28,362	8,530	8,866
haddock	208,066	-	20,900	31,715	14	1,699	-	1,982	24,108	-	37,371	90,277
pollock	879	-	537	298	-	-	-	-	1	-	36	7
hake	18,670	-	3,851	3,494	101	36	62	453	3,903	25	2,108	4,637
cusk	2,738	-	1,588	1,150	-	-	-	-	-	-	-	-
halibut	57,581	61	4,292	50,958	2,117	-	-	-	71	13	69	-
flounders	221,539	941	93	449	8	359	3,893	34,098	105,638	2,417	24,733	48,910
rosefish	25,525	-	-	∅	-	-	2,607	-	19,053	3,756	80	29
catfish	1,220	-	633	523	-	-	-	-	-	-	9	55
swordfish	120,515	-	580	103,880	-	-	-	-	-	-	16,047	-
tuna	119	-	-	119	-	-	-	-	-	-	-	-
mackerel	5,841	1,361	-	-	4,480	-	-	-	-	-	-	-
scallops	18,894	-	-	-	-	15,201	-	-	3,693	-	-	-
shack	4,812	-	2,143	595	-	-	863	176	222	716	46	51
Total Value of Fish Landings	1,168,186	8,689	62,090	252,351	42,144	17,442	38,654	103,768	365,898	35,289	89,029	152,832
livers and roe	2,833	-	787	1,504	263	-	16	44	102	-	117	-
Total Value of Landings	1,170,919	8,689	62,877	253,855	42,407	17,442	38,670	103,812	366,000	35,289	89,146	152,832

NOTE: ∅ Less than \$0.50.

TABLE 15 - PERCENTAGE DISTRIBUTION OF TOTAL VALUE OF LANDINGS BY KINDS OF FISH FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	Total All Types	LONG-LINERS				DRAGGERS						
		35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
		Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	91	4	8	14	7	2	4	11	24	4	6	8
Value of Landings in %	%	%	%	%	%	%	%	%	%	%	%	%
cod	41.2	72.8	43.7	23.3	83.6	0.8	80.8	64.6	57.2	80.4	9.6	5.8
haddock	17.8	-	33.3	12.5	∅	9.7	-	1.9	6.6	-	41.9	69.1
pollock	0.1	-	0.9	0.1	-	-	-	-	∅	-	∅	∅
hake	1.6	-	6.1	1.4	0.2	0.2	0.2	0.4	1.1	0.1	2.4	3.1
cusck	0.2	-	2.5	0.5	-	-	-	-	-	-	-	-
halibut	4.9	0.7	6.8	20.1	5.0	-	-	-	∅	∅	0.1	-
flounders	18.9	10.8	0.1	0.2	∅	2.1	10.1	32.9	28.8	6.9	27.7	32.0
rosefish	2.2	-	-	∅	-	-	6.7	-	5.2	10.6	0.1	∅
catfish	0.1	-	1.0	0.2	-	-	-	-	-	-	∅	∅
swordfish	10.3	-	0.9	40.9	-	-	-	-	-	-	18.0	-
tuna	∅	-	-	∅	-	-	-	-	-	-	-	-
mackerel	0.5	15.7	-	-	10.6	-	-	-	-	-	-	-
scallops	1.6	-	-	-	-	87.2	-	-	1.0	-	-	-
shack	0.4	-	3.4	0.2	-	-	2.2	0.2	0.1	2.0	0.1	∅
Total Value of Fish Landings	99.8	100.0	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	99.9	100.0
livers and roe	0.2	-	1.3	0.6	0.6	-	∅	∅	∅	-	0.1	-
Total Value of Landings	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: ∅ Less than one-half of 0.1%

TABLE 16 - AVERAGE VALUE OF LANDINGS PER BOAT IN 1953 FOR 90 BOATS

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
<u>Average Value of Landings per Boat</u>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
cod	1,582	3,434	4,226	5,061	73	7,807	6,096	8,717	7,091	1,706	1,223
haddock	-	2,612	2,265	2	849	-	180	1,004	-	7,474	12,524
pollock	-	67	21	-	-	-	-	Ø	-	7	1
hake	-	481	250	14	18	16	41	163	6	422	629
ousk	-	198	82	-	-	-	-	-	-	-	-
halibut	14	537	3,540	302	-	-	-	3	3	14	-
flounders	234	12	32	1	180	973	3,100	4,402	604	4,947	6,822
rosefish	-	-	-	-	-	652	-	794	939	16	4
catfish	-	79	37	-	-	-	-	-	-	2	8
swordfish	-	73	7,420	-	-	-	-	-	-	3,209	-
tuna	-	-	9	-	-	-	-	-	-	-	-
mackerel	342	-	-	640	-	-	-	-	-	-	-
scallops	-	-	-	-	7,600	-	-	154	-	-	-
shack	-	268	43	-	-	216	16	9	179	9	7
Total Value of Fish Landings	2,172	7,761	18,025	6,020	8,720	9,664	9,433	15,246	8,822	17,806	21,218
livers and roe	-	98	107	38	-	4	4	4	-	23	-
Total Value of Landings	2,172	7,859	18,132	6,058	8,720	9,668	9,437	15,250	8,822	17,829	21,218

NOTE: Ø less than \$0.50

TABLE 17 - AVERAGE PRICES RECEIVED BY FISHERMEN OPERATING 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
Average Price (1) per lb. in cents	¢	¢	¢	¢	¢	¢	¢	¢	¢	¢	¢
cod	2.00	3.10	3.29	2.75	1.75	2.33	2.11	2.14	2.25	2.97	2.15
haddock	-	4.80	5.08	4.05	3.90	-	3.84	4.05	-	4.59	4.18
pollock	-	1.55	1.25	-	-	-	-	1.00	-	1.34	1.34
hake	-	1.58	1.51	1.30	1.00	1.01	0.97	1.19	0.84	2.10	1.23
cusck	-	1.51	1.60	-	-	-	-	-	-	-	-
halibut	16.31	22.67	23.14	20.00	-	-	-	24.91	24.07	24.64	-
flounders	1.00	2.70	2.56	2.85	2.50	2.18	2.07	2.14	2.26	2.68	2.70
rosefish	-	-	2.50	-	-	1.98	-	2.32	1.90	2.62	2.47
catfish	-	2.96	4.50	-	-	-	-	-	-	3.07	3.22
swordfish	-	27.66	29.65	-	-	-	-	-	-	30.93	-
tuna	-	-	6.00	-	-	-	-	-	-	-	-
mackerel	2.00	-	-	5.06	-	-	-	-	-	-	-
scallops	-	-	-	-	2.98	-	-	2.99	-	-	-
shack	-	1.49	1.45	-	-	1.00	0.32	0.39	1.00	1.28	0.26
Total All Types	1.82	3.28	7.44	3.02	3.00	2.21	2.09	2.20	2.15	4.07	3.19
livers and roe	-	2.51	3.60	1.04	-	0.96	1.01	1.00	-	3.54	-
Total Landings	1.82	3.26	7.40	2.98 ⁽²⁾	3.00	2.21	2.09	2.20	2.15	4.07	3.19

NOTES: (1) Weighted average per pound as landed.

(2) Average price per lb., for total landings was 2.44 cents, on the basis of cod and related species gutted head on.

TABLE 18 - AVERAGE RECEIPTS, EXPENDITURES AND NET RETURNS FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
RECEIPTS	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
fish sales	2,172	7,860	18,132	6,058	8,720	9,668	9,437	15,250	8,822	17,829	21,218
other fishery receipts	-	-	-	889	-	80	7	15	-	-	191
Total Receipts	<u>2,172</u>	<u>7,860</u>	<u>18,132</u>	<u>6,947</u>	<u>8,720</u>	<u>9,748</u>	<u>9,444</u>	<u>15,265</u>	<u>8,822</u>	<u>17,829</u>	<u>21,409</u>
EXPENDITURES											
Maintenance & Repairs											
hull	37	142	207	31	100	53	91	167	46	275	443
engines	29	165	232	53	47	310	174	426	111	234	948
gurdies and winches	1	11	14	-	27	198	330	367	25	229	430
catching gear	214	265	377	435	464	773	599	1,107	795	395	1,319
other equipment	4	14	72	15	69	72	3	21	28	93	95
sub-total	<u>285</u>	<u>597</u>	<u>902</u>	<u>534</u>	<u>707</u>	<u>1,406</u>	<u>1,197</u>	<u>2,088</u>	<u>1,005</u>	<u>1,226</u>	<u>3,235</u>
Other Operating Expenses											
fuel, oil and grease	587	866	1,203	487	683	1,784	1,412	2,010	1,382	1,502	1,808
bait	86	1,074	1,135	320	-	-	-	-	-	128	-
ice	-	95	376	28	71	253	324	421	248	490	769
provisions	237	322	618	296	609	438	501	607	537	771	1,174
wharfage and rentals	-	33	22	-	-	-	22	99	-	-	51
wages	13	166	188	111	20	31	6	98	-	28	547
miscellaneous	12	1	3	68	17	108	185	289	131	-	101
sub-total	<u>935</u>	<u>2,557</u>	<u>3,545</u>	<u>1,310</u>	<u>1,400</u>	<u>2,614</u>	<u>2,450</u>	<u>3,524</u>	<u>2,298</u>	<u>2,919</u>	<u>4,450</u>
Fixed Charges											
marine insurance	-	38	678	-	1,033	-	18	96	-	977	2,014
interest	-	10	169	36	481	86	461	293	75	229	615
taxes and other	-	-	12	3	13	8	219	244	5	-	17
sub-total	<u>-</u>	<u>48</u>	<u>859</u>	<u>39</u>	<u>1,527</u>	<u>94</u>	<u>698</u>	<u>633</u>	<u>80</u>	<u>1,206</u>	<u>2,646</u>
Total Cash Expenditures	<u>1,220</u>	<u>3,202</u>	<u>5,306</u>	<u>1,803</u>	<u>3,634</u>	<u>4,114</u>	<u>4,345</u>	<u>6,245</u>	<u>3,383</u>	<u>5,359</u>	<u>10,331</u>
Net Cash Returns to Labour & to Capital	<u>952</u>	<u>4,658</u>	<u>12,826</u>	<u>5,064</u>	<u>5,086</u>	<u>5,634</u>	<u>5,099</u>	<u>9,020</u>	<u>5,439</u>	<u>12,470</u>	<u>11,073</u>
Distributed as:											
(1) net cash crew share	1,253	3,464	9,595	3,873	3,533	3,275	3,467	5,957	3,167	8,196	7,835
(2) net cash boat share	- 301	1,194	3,231	1,191	1,553	2,359	1,632	3,063	2,272	4,274	3,243
less depreciation	276	290	1,003	817	1,121	1,615	1,487	1,646	1,294	1,283	1,675
Net earnings of boat	- 577	904	2,228	374	432	744	115	1,417	978	2,991	1,568
% Net Return on Capital Invested	- 7.9	20.5	12.1	1.5	1.4	2.8	0.6	4.3	2.6	11.5	3.9

TABLE 19 - PERCENTAGE DISTRIBUTION OF RECEIPTS, EXPENDITURES AND NET RETURNS FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
	4	8	14	7	2	4	11	24	4	5	7
	%	%	%	%	%	%	%	%	%	%	%
RECEIPTS											
Fish sales	100.0	100.0	100.0	87.2	100.0	99.2	99.9	99.9	100.0	100.0	99.1
other fishery receipts	-	-	-	12.8	-	0.8	0.1	0.1	-	-	0.9
Total Receipts	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
EXPENDITURES											
Maintenance & Repairs											
hull	3.0	4.4	3.9	1.6	2.8	1.3	2.1	2.7	1.4	5.1	4.3
engines	2.4	5.2	4.4	2.8	1.3	7.5	4.0	6.8	3.3	4.4	9.2
gurdies and winches	0.1	0.3	0.3	-	0.7	4.8	7.6	5.9	0.7	4.3	4.1
catching gear	17.6	8.3	7.1	23.1	12.8	18.8	13.7	17.7	23.5	7.4	12.8
other equipment	0.3	0.4	1.3	0.8	1.9	1.8	0.1	0.3	0.8	1.7	0.9
sub-total	<u>23.4</u>	<u>18.6</u>	<u>17.0</u>	<u>28.3</u>	<u>19.5</u>	<u>34.2</u>	<u>27.5</u>	<u>33.4</u>	<u>29.7</u>	<u>22.9</u>	<u>31.3</u>
Other Operating Expenses											
fuel, oil and grease	48.1	27.0	22.7	25.9	18.8	43.4	32.5	32.2	40.8	28.0	17.5
bait	7.0	33.6	21.4	17.0	-	-	-	-	-	2.4	-
ice	-	3.0	7.1	1.5	2.0	6.1	7.5	6.7	7.3	9.2	7.4
provisions	19.4	10.1	11.6	15.7	16.7	10.6	11.5	9.7	15.9	14.4	11.4
wharfage and rentals	-	1.0	0.4	-	-	-	0.5	1.6	-	-	0.5
wages	1.1	5.2	3.5	5.9	0.5	0.8	0.1	1.6	-	0.5	5.3
miscellaneous	1.0	∅	0.1	3.6	0.5	2.6	4.3	4.6	3.9	-	1.0
sub-total	<u>76.6</u>	<u>79.9</u>	<u>66.8</u>	<u>69.6</u>	<u>38.5</u>	<u>63.5</u>	<u>56.4</u>	<u>56.4</u>	<u>67.9</u>	<u>54.5</u>	<u>43.1</u>
Fixed Charges											
marine insurance	-	1.2	12.8	-	28.4	-	0.4	1.6	-	18.2	19.5
depreciation	-	-	-	-	-	-	-	-	-	-	-
harbour and other	-	-	0.2	0.2	0.4	0.2	5.1	3.9	0.2	0.1	0.2
sub-total	<u>-</u>	<u>1.5</u>	<u>16.2</u>	<u>2.1</u>	<u>12.0</u>	<u>2.3</u>	<u>16.1</u>	<u>10.2</u>	<u>2.4</u>	<u>22.6</u>	<u>25.6</u>
Total Cash Expenditures	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
Net Cash Returns to Labour & to Capital	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
Distributed as:											
(1) net cash crew share	131.6	74.4	74.8	76.5	69.5	58.1	68.0	66.0	58.2	65.7	70.7
(2) net cash boat share	-31.6	25.6	25.2	23.5	30.5	41.9	32.0	34.0	41.8	34.3	29.3

NOTE: ∅ less than 0.1%

TABLE 20 - DISTRIBUTION OF GROSS RECEIPTS TO CASH EXPENDITURES, CREW SHARE AND BOAT SHARE FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		45-60 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<u>AVERAGE GROSS CASH RECEIPTS</u>	<u>2,172</u>	<u>7,860</u>	<u>18,132</u>	<u>6,947</u>	<u>8,720</u>	<u>9,748</u>	<u>9,444</u>	<u>15,265</u>	<u>8,822</u>	<u>17,829</u>	<u>21,409</u>
<u>Applied to:</u>											
(1) Total Cash Expenditures	1,220	3,202	5,306	1,883	3,634	4,114	4,345	6,245	3,383	5,359	10,331
(2) Net Cash Crew Share	1,253	3,464	9,595	3,873	3,533	3,275	3,167	5,957	3,167	8,196	7,835
(3) Net Cash Boat Share	- 301	1,194	3,231	1,191	1,533	2,359	1,632	3,063	2,272	4,274	3,243
	%	%	%	%	%	%	%	%	%	%	%
<u>AVERAGE GROSS CASH RECEIPTS</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
<u>Applied to:</u>											
(1) Total Cash Expenditures	56.2	40.7	29.3	27.1	41.7	42.2	46.0	40.9	38.3	30.0	48.3
(2) Net Cash Crew Share	57.7	44.1	52.9	55.8	40.5	33.6	36.7	39.0	35.9	46.0	36.6
(3) Net Cash Boat Share	- 13.9	15.2	17.8	17.1	17.8	24.2	17.3	20.1	25.8	24.0	15.1

TABLE 21 - DISTRIBUTION OF AVERAGE NET CASH BOAT SHARE FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
<u>AVERAGE NET CASH BOAT SHARE</u>	<u>- 301</u>	<u>1,194</u>	<u>3,231</u>	<u>1,191</u>	<u>1,553</u>	<u>2,359</u>	<u>1,632</u>	<u>3,063</u>	<u>2,272</u>	<u>4,274</u>	<u>3,243</u>
Applied to:											
(1) Principal on loan	-	100	1,545	988	626	1,829	990	1,207	1,654	2,296	2,357
(2) Cash capital expenditures	722	112	243	221	399	7	86	258	44	-	546
(3) Depreciation (1)	-1,023	982	1,443	- 18	520	523	556	1,598	574	1,978	340
<u>AVERAGE NET CASH BOAT SHARE</u>	<u>-100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
Applied to:											
(1) Principal on loan	-	8.4	47.8	83.0	40.3	77.5	60.7	39.4	72.8	53.7	72.7
(2) Cash capital expenditures	239.9	9.4	7.5	18.5	25.7	0.3	5.3	8.4	1.9	-	16.8
(3) Depreciation	-339.9	82.2	44.7	- 1.5	34.0	22.2	34.0	52.2	25.3	46.3	10.5

NOTE: (1) For the average boat, the net cash boat share is used to cover principal on loan payments and cash capital expenditures, the residual after these two items have been paid for, is used to cover depreciation. The extent to which depreciation has been covered can be seen in comparing the actual depreciation charges as indicated in Table 18 and comparing with the residual of the net cash boat share in this table.

TABLE 22 - SUMMARY OF AVERAGE RECEIPTS, EXPENDITURES AND NET RETURNS FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
AVERAGE RECEIPTS PER BOAT	\$ 2,172	\$ 7,860	\$ 18,132	\$ 6,947	\$ 6,720	\$ 9,748	\$ 9,444	\$ 15,265	\$ 8,822	\$ 17,825	\$ 21,409
Range - Lowest	1,589	4,557	7,066	1,684	6,568	7,350	5,890	5,855	6,246	11,831	11,088
Range - Highest	3,269	12,521	25,401	13,580	8,874	12,094	15,253	25,579	11,856	24,867	35,369
AVERAGE TOTAL CASH EXPENDITURES PER BOAT	\$ 1,220	\$ 3,202	\$ 5,306	\$ 1,883	\$ 3,634	\$ 4,114	\$ 4,345	\$ 6,245	\$ 3,383	\$ 5,359	\$ 10,331
Range - Lowest	1,026	2,201	1,782	599	3,287	2,973	2,718	2,164	1,663	3,773	5,099
Range - Highest	1,525	4,501	8,473	3,909	3,980	5,007	5,803	10,998	4,587	7,182	16,819
AVERAGE NET CASH RETURNS TO LABOUR & CAPITAL	\$ 952	\$ 4,658	\$ 12,826	\$ 5,064	\$ 5,086	\$ 5,634	\$ 5,099	\$ 9,020	\$ 5,439	\$ 12,470	\$ 11,078
Range - Lowest	458	2,075	5,284	1,085	4,894	4,377	3,172	3,491	3,379	8,058	5,989
Range - Highest	2,122	8,020	19,747	9,671	5,281	7,404	10,046	14,581	7,262	17,505	18,550
AVERAGE NET CASH CREW SHARE PER BOAT	\$ 1,253	\$ 3,464	\$ 9,595	\$ 3,873	\$ 3,533	\$ 3,275	\$ 3,467	\$ 5,957	\$ 3,167	\$ 8,196	\$ 7,835
Range - Lowest	953	1,495	4,542	815	3,419	2,317	2,123	2,264	2,120	5,335	4,103
Range - Highest	1,630	5,854	13,761	8,270	3,647	4,475	7,002	9,907	4,653	11,726	13,075
AVERAGE NET CASH BOAT SHARE PER BOAT	\$ - 301	\$ 1,194	\$ 3,231	\$ 1,191	\$ 1,553	\$ 2,359	\$ 1,632	\$ 3,063	\$ 2,272	\$ 4,274	\$ 3,243
Range - Lowest	- 730	646	742	270	1,475	2,060	753	1,227	1,259	2,723	1,880
Range - Highest	492	2,166	6,396	2,015	1,634	2,929	3,044	6,546	2,672	5,779	5,475
AVERAGE DEPRECIATION PER BOAT	\$ 276	\$ 290	\$ 1,003	\$ 817	\$ 1,121	\$ 1,615	\$ 1,487	\$ 1,646	\$ 1,294	\$ 1,283	\$ 1,675
Range - Lowest	206	85	415	465	1,120	1,505	835	808	1,281	1,121	837
Range - Highest	412	660	1,777	1,248	1,123	1,697	1,731	2,231	1,300	1,549	2,421
AVERAGE NET EARNINGS PER BOAT	\$ - 577	\$ 904	\$ 2,228	\$ 374	\$ 432	\$ 744	\$ 145	\$ 1,417	\$ 978	\$ 2,991	\$ 1,568
Range - Lowest	- 993	327	327	- 199	352	554	- 637	- 362	- 41	1,546	- 489
Range - Highest	267	1,791	5,267	1,373	514	1,276	1,476	4,438	1,391	4,281	3,608
AVERAGE % NET RETURN ON CAPITAL PER BOAT	- 7.9	20.5	12.1	1.5	1.4	2.8	0.6	4.3	2.6	11.5	3.9
Range - Lowest	-11.7	8.1	2.9	- 0.8	1.1	2.0	- 2.2	- 1.4	- 0.1	6.1	- 1.2
Range - Highest	7.9	57.9	25.2	5.4	1.7	4.7	5.6	14.6	3.6	18.0	10.8

TABLE 23 - AVERAGE CHANGES IN BOOK INVENTORY VALUES FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
<u>Average Book Inventory Values</u>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
As at Jan. 1, 1953	6,815	2,940	16,996	25,035	30,044	25,559	24,640	26,775	37,931	24,532	37,812
plus purchases	722	112	832	221	744	7	150	1,332	44	857	546
less losses	-	-	683	-	-	-	-	56	-	-	-
less sales	-	-	-	-	-	-	-	-	-	-	-
less depreciation	276	290	1,003	817	1,121	1,615	1,487	1,646	1,294	1,283	1,675
As at Dec. 31, 1953	7,261	2,762	16,142	24,439	29,667	23,951	23,303	26,405	36,681	24,016	36,683
Net change in Book Values	446	- 178	- 854	- 596	- 377	- 1,608	- 1,337	- 370	- 1,250	- 426	- 1,129

TABLE 24 - AVERAGE CAPITAL EXPENDITURES AND NET CHANGES IN DEBT POSITION FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	36-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
<u>Average Capital Expenditures per Boat</u>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Hull	-	-	7	4	18	-	-	26	-	-	7
Engines	21	-	21	-	19	-	59	844	-	-	71
Specialized equipment	-	112	122	-	131	-	60	400	-	-	6
Winch, gallows, gurdies	-	-	-	-	557	-	-	35	-	-	-
Miscellaneous	59	-	8	20	14	7	18	21	44	619	27
Fishing gear	642	-	102	197	5	-	13	7	-	238	557
Total Expenditures of which	722	112	260	221	744	7	150	1,332	44	857	668
paid in cash	722	112	243	221	399	7	86	258	44	-	668
on credit	-	-	17	-	345	-	64	1,074	-	857	-
<u>Average Changes in Debt Position</u>											
<u>Principal payments to:</u>											
Fishermen's loan board	-	63	977	736	626	1,195	444	918	1,100	1,278	2,096
Other creditors	-	37	568	253	-	634	546	289	554	1,018	-
Total paid in 1953	-	100	1,546	988	626	1,829	990	1,207	1,654	2,296	2,096
New Debts in 1953 ⁽¹⁾	-	125	17	-	345	-	248	1,228	-	857	244
Net change in Debt Position	-	25	-1,528	-988	-281	-1,829	-742	21	-1,654	-1,439	-1,852

NOTE: (1) The difference between capital expenditures obtained on credit and new debts in 1953 is accounted for by debts incurred during the year on operating expenditures of the boat.

TABLE 25 - AVERAGE NET RETURNS TO LABOUR AND TO CAPITAL PER OWNER FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	7
number of owners	5	9	21	20	5	4	19	39	8	5	13
<u>NET CASH RETURNS PER OWNER</u>											
<u>With 25% ownership of boat</u>											
number of owners	-	-	4	16	4	-	4	8	4	-	4
Average cash returns per owner	-	-	3,347	901	1,156	-	1,080	2,376	1,304	-	2,282
Average depreciation " "	-	-	243	210	280	-	415	488	320	-	605
Average net earnings " "	-	-	3,104	691	876	-	665	1,888	984	-	1,677
<u>With 33 1/3% ownership of boat</u>											
number of owners	-	-	6	-	-	-	6	9	-	-	-
Average cash returns per owner	-	-	4,095	-	-	-	1,288	1,678	-	-	-
Average depreciation " "	-	-	344	-	-	-	555	430	-	-	-
Average net earnings " "	-	-	3,751	-	-	-	733	1,248	-	-	-
<u>With 50% ownership of boat</u>											
number of owners	3	2	-	2	-	-	2	6	2	-	6
Average cash returns per owner	518	1,217	-	3,159	-	-	2,064	2,290	2,132	-	3,813
Average depreciation " "	113	42	-	624	-	-	855	808	649	-	931
Average net earnings " "	405	1,175	-	2,535	-	-	1,209	1,482	1,483	-	2,882
<u>With 100% ownership of boat</u>											
number of owners	3	7	11	2	1	4	7	16	2	5	3
Average cash returns per owner	- 457	2,706	4,877	2,480	2,173	3,247	2,546	4,400	2,746	6,300	5,081
Average depreciation " "	294	319	1,000	554	1,123	1,615	1,379	1,680	1,299	1,283	1,240
Average net earnings " "	- 751	2,387	3,877	1,926	1,050	1,632	1,167	2,720	1,447	5,017	3,841

TABLE 26 - AVERAGE PRICES NECESSARY TO BREAK EVEN FOR 90 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
Number of boats	4	8	14	7	2	4	11	24	4	5	7
Net Cash Crew share per man	403	1,380	2,227	951	743	839	970	1,344	775	2,058	1,450
1. Net cash boat share applied to:	-301	1,194	3,231	1,191	1,553	2,359	1,632	3,063	2,272	4,274	3,243
2. Principal on loan	-	100	1,545	988	626	1,829	990	1,207	1,654	2,296	2,096
3. Capital Expenditures	722	112	260	221	744	7	150	1,332	44	857	668
4. Total (2 + 3)	722	212	1,805	1,209	1,370	1,836	1,140	2,539	1,698	3,153	2,764
5. Net change in book inventory	466	- 178	-854	- 596	- 377	-1,608	-1,337	- 370	-1,250	- 426	-1,129
6. Net change in debt position	-	25	- 1,528	- 988	- 281	-1,829	- 742	21	-1,654	-1,439	-1,852
7. Net change (5 - 6)	466	- 203	674	392	- 96	221	- 595	- 391	404	1,013	723
8. Boat account credits (1 + 7)	165	991	3,905	1,583	1,457	2,580	1,037	2,672	2,676	5,287	3,966
9. Surplus or deficit (8 - 4)	- 557	779	2,100	374	87	744	- 103	133	978	2,134	1,202
10. Actual Receipts	2,172	7,860	18,132	6,947	8,720	9,748	9,444	15,265	8,822	17,829	21,049
11. Receipts required for BE (10 - 9)	2,729	7,081	16,032	6,573	8,633	9,004	9,547	15,132	7,844	15,695	19,847
12. Ratio necessary to actual (11 ÷ 10)	125.64	90.09	88.42	94.62	99.00	92.37	101.09	99.13	88.91	88.03	94.29
13. Actual price received in cents per lb.	1.815	3.263	7.395	2.981	3.003	2.214	2.086	2.198	2.151	4.074	3.195
14. Price necessary for BE (13 X 12)	2.280	2.940	6.539	2.821	2.973	2.045	2.109	2.179	1.912	3.586	3.012
15. Price necessary to BE and cover necessary cash capital expenditures and principal payments on loans:	2.900	2.976	7.215	3.339	3.207	2.462	2.292	2.205	2.326	3.915	3.404
16. Actual output in lbs.	119,676	240,883	245,185	203,195	290,395	436,722	452,381	693,922	410,134	437,625	665,247
17. Necessary output for BE (16 X 12)	150,361	217,011	216,792	192,263	287,491	403,400	457,312	687,885	364,650	385,241	627,261
18. Necessary output for BE and to cover requirements in 15.	191,125	219,685	239,227	227,619	310,142	485,635	496,986	696,073	443,601	420,558	708,321
19. Receipts required for BE and to meet requirements in 15.	3,470	7,166	17,680	7,781	9,312	10,840	10,377	15,314	9,540	17,134	22,426

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NOTES: (1) At Break Even prices in 1953, the net cash crew share per man as well as operating expenditures are covered. The principal payments on loans, and capital expenditures are set off by net change in book inventory values and net change in debt position. At "break even" prices these items are covered and there is no surplus or deficit for the boat account.

(2) For Quebec long-liners the average price received on the basis of cod and related species gutted head on amounted to 2.441 cents per lb., in this case the BE prices are 2.310 cents per lb. and to meet the requirements in line 15, amount to 2.736 cents per lb. On the same basis for landings - the actual output was 248,162 lbs., the BE necessary output 234,811 lbs., and to meet the requirements in line 15, the output necessary is 277,991 lbs.

TABLE 27 - SUMMARY OF FISHING EFFORT AND RETURNS PER MAN FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
AVERAGE DAYS AT SEA PER MAN	54	106	116	58	49	87	95	94	70	126	101
Range - Lowest	7	30	31	10	41	51	4	4	15	42	26
Range - Highest	67	132	158	88	52	103	114	137	95	150	145
AVERAGE DAYS AT SEA AND ASHORE PER MAN	70	123	124	78	59	118	116	113	94	133	119
Range - Lowest	8	32	33	11	50	73	5	4	19	44	30
Range - Highest	86	155	171	121	63	133	141	161	125	157	177
NET CASH CREW SHARE PER MAN PER DAY AT SEA	7.46	13.02	19.20	16.39	15.16	10.22	10.21	14.30	11.07	16.33	14.36
Range - Lowest	6.16	6.88	12.42	4.84	14.36	5.28	4.58	5.54	5.92	11.46	3.78
Range - Highest	9.54	17.50	28.38	39.90	16.04	11.92	21.60	23.74	12.79	23.09	25.56
NET CASH CREW SHARE PER DAY WORKED	5.77	11.20	17.91	12.09	12.44	7.48	8.37	11.84	8.19	15.41	12.28
Range - Lowest	4.81	5.79	11.97	4.07	11.86	3.66	3.87	4.75	4.52	11.06	3.78
Range - Highest	6.94	15.00	27.80	25.36	13.05	8.93	17.05	28.74	9.28	22.25	20.94
NET CASH CREW SHARE PER MAN PER SEASON	403	1,380	2,227	951	743	889	970	1,344	775	2,058	1,450
Range - Lowest	51	498	569	70	633	268	81	72	100	481	168
Range - Highest	544	2,310	2,913	2,479	748	1,137	1,759	2,340	1,116	2,880	3,706
AVERAGE TOTAL NET CASH RETURNS PER OWNER	-67	2,375	4,362	1,285	1,359	3,247	1,790	3,032	1,871	6,300	3,365
Range - Lowest	-730	1,078	1,713	270	1,155	2,743	1,134	975	855	4,181	-147
Range - Highest	790	4,134	7,302	3,383	2,175	4,066	4,791	7,016	3,732	8,659	8,302
AVERAGE DEPRECIATION PER OWNER	221	258	668	286	449	1,615	861	1,013	647	1,283	882
Range - Lowest	112	42	243	117	280	1,505	553	259	320	1,121	503
Range - Highest	332	650	1,077	452	618	1,725	1,169	1,767	974	1,445	1,267
AVERAGE NET EARNINGS PER OWNER	-288	2,117	3,694	999	910	1,632	929	2,019	1,224	5,017	2,483
Range - Lowest	-993	825	1,298	153	875	1,235	237	278	459	3,006	-757
Range - Highest	677	4,029	6,134	2,741	1,050	2,413	3,223	5,652	2,434	7,110	6,435

TABLE 28 - SUMMARY OF AVERAGE FISHING EFFORT AND LANDED VALUES FOR 91 BOATS IN 1953

Long-liner and Dragger Study
Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.J.
number of boats	4	8	14	7	2	4	11	24	4	5	8
AVERAGE PER BOAT											
length in ft.	44.5	42.3	54.4	55.8	46.3	49.2	47.0	56.0	59.9	57.0	56.3
gross tonnage	17.5	16.0	37.9	41.7	28.7	26.4	27.7	38.3	43.7	45.0	47.3
number of men	3.1	2.5	4.3	4.1	4.8	3.7	3.6	4.5	4.1	4.0	4.8
number of trips	55	82	45	39	40	40	28	26	24	36	21
days at sea per trip	1.0	1.3	2.6	1.5	1.2	2.2	3.4	3.5	2.9	3.5	4.8
days at sea	56	105	116	57	49	86	94	92	70	123	99
hours fishing	407	963	1,288	893	533	1,386	1,277	1,152	861	1,066	991
number of lines fished	1,870	8,039	7,292	3,925	-	-	-	-	-	980	-
number of sets or hauls	57	106	101	73	450	527	569	559	345	10	563
investment per man in \$	2,369	1,767	4,276	6,181	6,454	7,207	7,147	7,292	9,251	6,509	8,382
AVERAGE LANDED VALUES PER											
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Boat - fresh fish	2,172	7,761	18,025	6,020	8,720	9,664	9,433	15,246	8,822	17,806	21,218 ⁽²⁾
- total landings ⁽¹⁾	2,172	7,859	18,132	6,058	8,720	9,668	9,437	15,250	8,822	17,829	21,218
Man - fresh fish	701	3,104	4,192	1,468	1,817	2,612	2,620	3,388	2,152	4,452	4,420
- total landings	701	3,144	4,217	1,478	1,817	2,613	2,621	3,389	2,152	4,457	4,420
Trip - fresh fish	40	95	400	155	215	245	338	576	371	500	915
total landings	40	96	402	156	215	245	338	576	371	501	915
Day at sea per boat - fresh fish	39	74	156	106	130	112	100	166	126	144	192
- total landings	39	75	157	107	180	112	101	166	126	144	192
Hour of fishing per boat - fresh fish	5.34	8.14	13.99	6.74	16.38	6.97	7.39	13.23	10.25	16.71	19.27
- total landings	5.34	8.24	14.07	6.79	16.38	6.98	7.39	13.24	10.25	16.73	19.27
Man-day at sea - fresh fish	12.93	29.18	36.06	25.42	37.43	30.15	27.62	36.22	30.85	35.48	39.49
- total landings	12.93	29.55	36.28	25.58	37.43	30.16	27.63	36.23	30.85	35.53	39.49
Man-hour of fishing - fresh fish	1.72	3.26	3.25	1.64	3.41	1.88	2.05	2.94	2.50	4.18	4.01
- total landings	1.72	3.30	3.27	1.66	3.41	1.89	2.05	2.94	2.50	4.18	4.01

NOTES: (1) Total landings includes livers and roe

(2) For 7 boats

TABLE 29 - SUMMARY OF FISHING EFFORT, FISH LANDINGS AND VALUES FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
Average Days at Sea per Boat	56	105	116	57	49	86	94	92	70	123	99
Range - lowest	47	68	49	27	44	72	66	37	55	104	36
Range - highest	67	132	158	88	53	103	114	136	95	150	145
Average Hours of Fishing per Boat	407	953	1,288	893	533	1,386	1,277	1,152	861	1,066	991
Range - lowest	321	788	505	360	521	1,081	788	414	499	918	425
Range - highest	491	1,159	1,972	1,465	544	1,648	1,603	1,644	1,435	1,210	1,493
Average Lines Fished per Boat	1,870	8,039	7,292	3,925	-	-	-	-	-	980	-
Range - lowest	569	5,600	924	766	-	-	-	-	-	720	-
Range - highest	3,515	10,622	16,736	6,380	-	-	-	-	-	2,520	-
Average Landings Fresh Fish per Boat ⁽²⁾	119,676	236,961	242,199	199,568	290,395	436,307	451,984	693,494	410,134	436,964	665,247
Range - lowest	81,838	126,527	62,164	68,958	286,823	303,279	284,597	233,269	270,571	214,370	339,073
Range - highest	197,810	370,690	580,547	340,228	293,968	556,443	697,155	1,041,951	520,819	660,653	1,087,993
Average Total Landings per Boat ⁽¹⁾	119,676	240,883	245,185	203,195	290,395	436,722	452,381	693,922	410,134	437,625	665,247
Range - lowest	81,838	130,767	62,420	69,425	286,823	303,279	284,597	233,269	270,571	214,370	339,073
Range - highest	197,810	374,987	580,586	344,749	293,968	557,653	700,658	1,041,951	520,819	663,510	1,087,993
Average Value of Fish Landings per Boat ⁽²⁾	2,172	7,761	18,026	6,020	8,720	9,664	9,433	15,246	8,822	17,806	21,218
Range - lowest	1,589	4,491	7,028	1,679	8,568	7,350	5,890	5,655	6,246	11,831	11,088
Range - highest	3,269	12,397	25,150	9,150	8,874	12,082	15,218	25,463	11,856	24,642	34,329
Average Total Value of Landings per Boat ⁽²⁾	2,172	7,859	18,132	6,058	8,720	9,668	9,437	15,250	8,822	17,829	21,218
Range - lowest	1,589	4,557	7,066	1,684	8,568	7,350	5,890	5,655	6,246	11,831	11,088
Range - highest	3,269	12,521	25,401	9,293	8,874	12,094	15,253	25,463	11,856	24,687	34,329

NOTES: (1) Includes livers and roe

(2) For these indices for 54-60 ft. P.E.I. draggers based on seven boats.

TABLE 30 - SUMMARY OF LANDED WEIGHTS FOR VARIOUS UNITS OF EFFORT FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
<u>Average Landed Weight per</u>	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
<u>Trip</u>	2,186	2,956	5,440	5,249	7,170	11,056	16,209	26,227	17,269	12,293	28,644
lowest	75	65	180	167	856	170	920	1,630	779	330	1,605
highest	8,596	18,519	32,175	29,330	20,000	36,370	34,358	65,578	44,402	65,202	67,490
<u>Day at Sea per Boat</u>	2,156	2,297	2,119	3,574	5,988	5,078	4,820	7,567	5,859	3,546	6,025
lowest	1,677	1,252	808	1,664	5,412	4,212	3,779	5,223	4,665	1,848	3,525
highest	3,470	2,930	4,168	5,366	6,681	5,887	6,133	9,892	6,952	5,278	7,736
<u>Hour of Fishing per Boat</u>	294	253	190	228	545	315	354	602	476	411	603
lowest	241	160	73	98	540	257	231	399	363	234	249
highest	403	416	417	343	550	347	447	812	730	565	935
<u>Man per Season</u>	38,605	96,353	57,019	49,560	60,499	118,033	125,661	154,205	100,033	109,406	138,593
lowest	26,399	43,589	13,281	17,356	59,755	81,967	46,654	76,919	64,422	56,413	61,482
highest	65,937	142,821	131,951	77,324	73,492	139,413	232,312	175,164	121,121	158,326	217,599
<u>Man-day at Sea</u>	712	906	490	858	1,245	1,363	1,324	1,648	1,433	872	1,236
lowest	553	626	170	405	1,143	1,138	946	1,045	1,118	454	758
highest	1,157	1,085	1,048	1,695	1,364	1,527	1,712	2,473	1,834	1,319	1,518
<u>Man-hour of Fishing</u>	95	101	44	56	114	85	98	134	116	103	126
lowest	80	53	15	24	110	69	58	80	84	60	78
highest	134	133	86	98	115	105	137	183	187	141	187

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TABLE 31 - TOTAL LANDINGS BY PORTS BY 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	Total All Types	LONG-LINERS				DRAGGERS						
		35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
		Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
Number of boats	91	4	8	14	7	2	4	11	24	4	5	8
Total Landings by Ports	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
NOVA SCOTIA												
Shelburne	13,324			13,324								
Lockeport	2,658,295		1,574,567	1,083,728							83,681	
Liverpool	832,816		312,563	436,572							93,661	
Sambro	117,829			24,168							39,736	
Halifax	385,326			345,590							87,519	
Port Bickerton	502,258			414,739							1,394,555	
Canso	1,396,874			2,319							14,645	
Queensport	17,368			2,723					160,649		188,134	264,701
Petit-de-Grat	613,484										213,505	
Louisbourg	790,925			577,420								
Main-a-Dieu	21,294			21,294								
Little Lorraine	356			356								
Port Morien	21,557		21,357									
Glace Bay	62,318		18,579	43,739							8,326	
North Sydney	474,949			466,623					90,162			
Cheticamp	142,440				52,278						19,356	
Lismore	19,356											
NEW BRUNSWICK												
Petit Rocher	57,697							57,697				
Caraquet	7,973,879							1,886,709	6,087,170			
St. Simon	203,587								203,587			
Shippegan	6,977,346						52,424	1,746,830	5,161,499	16,593		
Lameque	4,783,422							1,284,958	3,498,464			
Distributors	501,804								501,804			
PRINCE EDWARD ISLAND												
Souris	5,539,868					69,968			905,947		45,008	4,518,945
Miminegash	510,823					510,823						
QUEBEC												
GASPE PENINSULA												
Fox River	616,471				146,431			286,031			184,009	
Brilliant Cove	159,679										159,679	
Pointe St. Pierre	294,769							36,697	44,850		213,222	
Ste. Therese	506,682				300,059			206,623				
Grand River	463,393				458,143			5,250				
Newport	395,469				344,749			50,720				
Paspebiac	2,149,464							1,109,146			1,040,318	
Carleton	26,714										26,714	
MAGDALEN ISLANDS												
Old Harry	420		420									
Grand Entry	2,353		2,353									
Grindstone	57,208		57,208									
Amherst	244,031		244,031									
Etang du Nord	295,400		174,693		120,707							
GRAND TOTAL	39,831,048	478,705	1,927,066	3,432,595	1,422,367	580,791	1,746,891	4,976,194	16,654,132	1,640,535	2,188,126	4,783,646

PRECIS

RECOMMENDED CHANGES IN TINNED COD IN BUTTER PRODUCTION PLANNING

The following changes are recommended, based on techniques of the Murmansk combine and the Panylbuk factory:-

The tins are salted before the fish are placed in them and the fish are portioned before smoking and smoked as cut pieces.

This method is claimed to save 37% in man hours, needs no new machinery.

TABLE 32 - PERCENTAGE DISTRIBUTION OF TOTAL LANDINGS BY PORTS BY 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	Total All Types	LONG-LINERS				DRAGGERS						
		35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
		Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	91	4	8	14	7	2	4	11	24	4	5	8
<u>Total Landings by Ports</u>	%	%	%	%	%	%	%	%	%	%	%	%
<u>NOVA SCOTIA</u>												
Shelburne	∅			0.4								
Lockeport	6.7		81.7	31.6								
Liverpool	2.1		16.2	12.7							3.8	
Sembro	0.3			0.7							4.3	
Halifax	1.0			10.0							1.8	
Port Bickerton	1.3			12.1							4.0	
Canso	3.5			0.1							63.7	
Queensport	∅			0.1							0.7	
Petit-de-Grat	1.5							1.0			8.6	5.5
Louisbourg	2.0			16.8							9.8	
Main-a-Dieu	0.1			0.6								
Little Lorraine	∅			∅								
Port Morien	0.1		1.1									
Glace Bay	0.2		1.0	1.3								
North Sydney	1.2			13.8							0.4	
Cheticamp	0.4				3.7				0.5			
Lismore	∅										0.9	
<u>NEW BRUNSWICK</u>												
Petit Rocher	0.1							1.2				
Caraquet	20.0							37.9	36.6			
St. Simon	0.5								1.2			
Shippegan	17.5						3.0	35.1	31.0	1.0		
Lameque	12.0							25.8	21.0			
Richibucto	1.3								3.0			
<u>PRINCE EDWARD ISLAND</u>												
Souris	13.9					12.0			5.4		2.0	94.5
Miminegash	1.3					88.0						
<u>QUEBEC</u>												
<u>GASPE PENINSULA</u>												
Fox River	1.5				10.3		16.4			11.2		
Brillant Cove	0.4									9.7		
Pointe St. Pierre	0.7						2.1		0.3	13.0		
Ste. Therese	1.3				21.1		11.8					
Grand River	1.2				32.2		0.3					
Newport	1.0				24.2		2.9					
Paspebiac	5.4						63.5			63.4		
Carleton	0.1									1.7		
<u>MAGDALEN ISLANDS</u>												
Old Harry	∅	0.1										
Grand Entry	∅	0.5										
Grindstone	0.1	11.9										
Amherst	0.6	51.0										
Etang du Nord	0.7	36.5			8.5							
GRAND TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: ∅ less than one-half of 0.1%

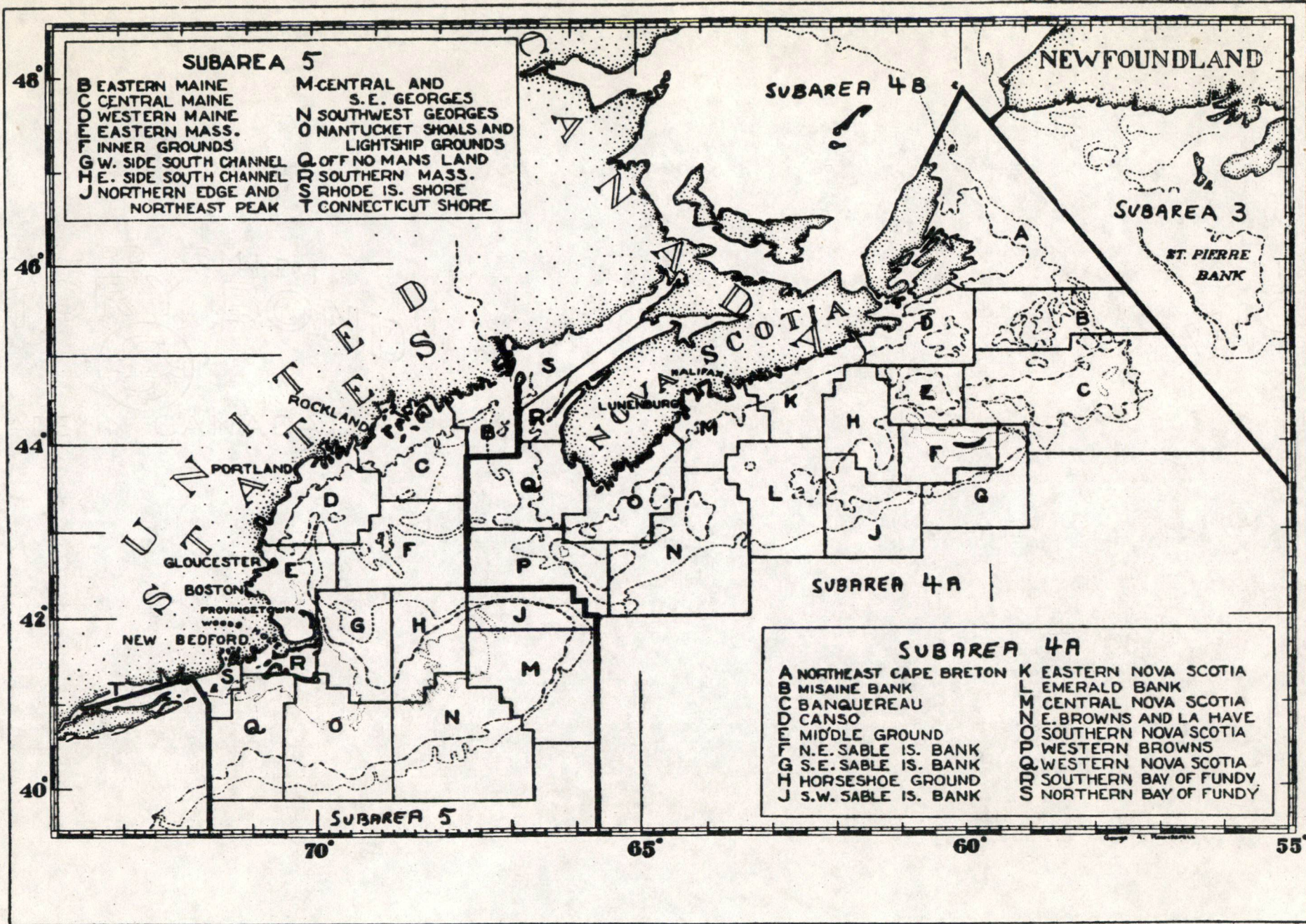


TABLE 33 - TOTAL LANDINGS OF FISH BY STATISTICAL FISHING AREAS FOR 91 BOATS IN 1953

Long-liner and Dragger Study
Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
<u>STATISTICAL FISHING AREAS</u>	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
<u>Sub-Area-4A</u>											
A		39,936	826,272					25,925		3,465	
B			249,452							3,465	
C			21,326								
D			189,108							376,328	277,771
E			39,349							12,087	
F			164,411							310	
G			922								
H			55,738								
J			127,569							8,301	
K			56,050								
L			43,901							9,556	
M		144,057	179,260							130,335	
N		254,977	918,181							15,798	
O		1,488,096	524,146							36,674	
P			36,910					41,937		7,106	
<u>Sub-Area-4B</u>											
C								1,400			
F	478,705			120,707						165,953	321,218
G				52,278	69,968		44,770	3,979,384		1,381,563	3,761,142
H							10,815	24,125		37,185	423,515
J								39,655			
K				366,433		520,050	143,470	643,753	364,300		
L					510,823		1,389,300	3,794,714			
M				1,710			147,218	365,478	243,370		
N				734,808			888,930	6,790,369	827,081		
O				4,621			80,968	918,533	5,562		
Q				1,145							
S				140,665			109,725	28,859	200,222		
Totals All Areas	478,705	1,927,066	3,432,595	1,422,367	580,791	1,746,891	4,976,194	16,654,132	1,640,535	2,188,126	4,783,646

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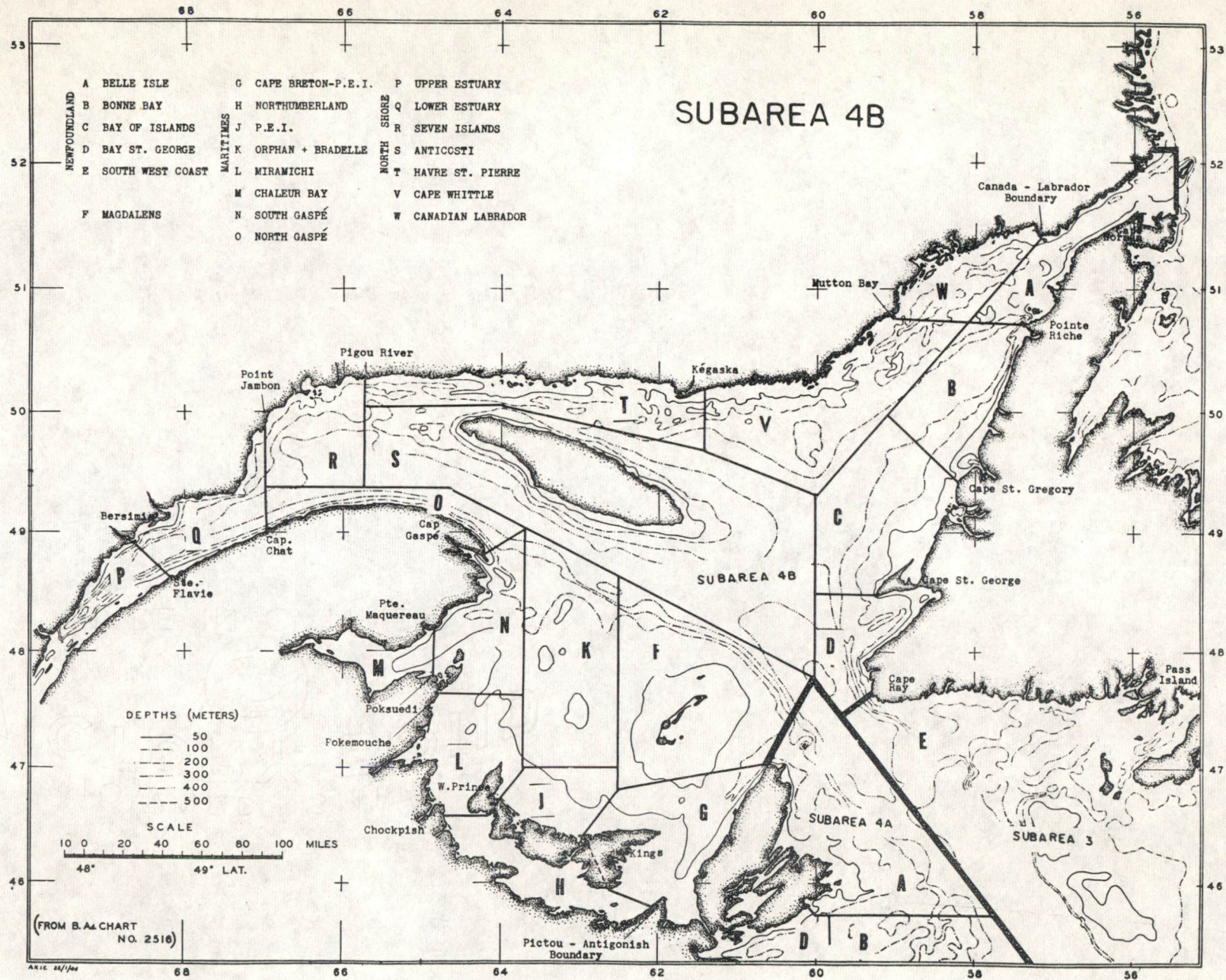


TABLE 34 - PERCENTAGE DISTRIBUTION OF TOTAL LANDINGS OF FISH BY STATISTICAL FISHING AREAS FOR 91 BOATS IN 1953

Long-liner and Dragger Study

Maritime Provinces and Quebec

Item	LONG-LINERS				DRAGGERS						
	35-50 ft.		51-60 ft.		46-50 ft.			54-60 ft.			
	Que.	N.S.	N.S.	Que.	P.E.I.	Que.	N.B.	N.B.	Que.	N.S.	P.E.I.
number of boats	4	8	14	7	2	4	11	24	4	5	8
STATISTICAL FISHING AREAS	%	%	%	%	%	%	%	%	%	%	%
Sub-Area-4A											
A		2.1	24.1					0.2		0.2	
B			7.3							0.2	
C			0.6								
D			5.5							17.2	5.8
E			1.1							0.5	
F			4.8							∅	
G			∅								
H			1.6							0.4	
J			3.7								
K			1.6								
L			1.3							0.4	
M		7.5	5.2							6.0	
N		13.2	26.8							0.7	
O		77.2	15.3					0.2		1.7	
P			1.1							0.3	
Sub-Area-4B											
C	100.0			8.5				∅		7.6	6.7
F				3.7	12.0		0.9	23.9		63.1	78.6
G							0.2	0.1		1.7	8.9
H								0.2			
J				25.8		29.8	2.9	3.9	22.2		
K					88.0		27.9	22.8			
L				0.1		8.4	42.7	2.2	14.8		
M				51.6		50.9	25.4	40.8	50.4		
N				0.3		4.6		5.5	0.4		
O				0.1							
Q				9.9		6.3		0.2	12.2		
S					100.0	100.0	100.0	100.0	100.0	100.0	100.0
Totals All Areas	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: ∅ less than one-half of 0.1%

TABLE 35 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 4 QUEBEC CAPE ISLAND BOATS IN 1953

(35-50 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	Number of Trips	Days at Sea	Hours Actual Fishing	Number of Sets	No. of Lines ⁽¹⁾ Fished	No. of Nets ⁽²⁾ Fished	FISH LANDINGS IN LBS				
							Cod	Halibut	Flounders	Mackerel	Total Fresh
	No.	No.	No.	No.	No.	No.	lbs	lbs	lbs	lbs	lbs
May	20	22	133	44	794	115	35,480	269	-	375	36,124
June	70	70	470	53	1,407	1,070	44,170	105	21,557	65,976	131,808
July	53	53	415½	43	2,056	36	73,386	-	54,929	1,602	129,917
August	48	49	406½	54	2,249	-	110,273	-	16,540	-	126,813
September	28	28	201	34	973	-	53,011	-	1,032	-	54,043
Totals	219	222	1,626	228	7,479	1,221	316,320	374	94,058	67,953	478,705

NOTES: (1) Lines fished reported in 50 fathom units. For July the total includes 54 hand lines fished, and for August 36 hand lines.

(2) Nets used for mackerel fishing.

TABLE 36 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 7 QUEBEC LONG-LINER BOATS IN 1953

(51-60 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	No. of Trips	Days at Sea	Hours Actual Fishing	No. of Sets	No. of Lines (1) Fished	No. of Nets or Seines (2) Fished	FISH LANDINGS IN LBS						
							Cod	Haddock	Hake	Halibut	Flounders	Mackerel	Total Fresh
	No.	No.	No.	No.	No.	No.	lbs	lbs	lbs	lbs	lbs	lbs	lbs
May	2	3	61	4	250	14	2,815	-	-	684	-	-	3,499
June	24	44	883	55	4,210	308	132,893	-	-	2,724	202	-	135,819
July	36	67	1,293	87	5,725	276	193,010	-	-	5,530	-	-	198,540
August	67	102	1,586	109	7,088	162	331,425	-	-	1,488	79	35,434	368,426
September	49	67	1,080 $\frac{1}{2}$	79	4,184	130	286,586	-	-	102	-	9,559	296,247
October	46	68	889	128	4,030	28	270,118	-	-	54	-	-	270,172
November	35	35	366	51	1,810	6	70,490	173	5,916	-	-	21,788	98,367
December	12	12	90	-	180	6	2,095	173	1,849	-	-	21,789	25,906
Totals	271	398	6,248 $\frac{1}{2}$	513	27,477	930	1,289,432	346	7,765	10,582	281	88,570	1,396,976

NOTES: (1) Totals include 70 handlines for August, 16 for September, 180 for November and 180 for December.

(2) Totals include 7 seines used in August, 4 in September, 6 in November and 6 in December.

TABLE 37 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 4 QUEBEC DRAGGERS IN 1953

(46-50 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	No. of Trips	Days at Sea	Hours Actual Drugging	No. of Hauls	FISH LANDINGS IN LBS					
					Cod	Hake	Flounders	Rosefish	Shack	Total Fresh
	No.	No.	No.	No.	lbs	lbs	lbs	lbs	lbs	lbs
May	3	4	23	9	1,771	-	-	-	-	1,771
June	17	38	706	234	149,773	3,785	25,027	3,454	13,752	195,791
July	34	76	1,405½	583	400,684	-	29,797	39,413	33,753	503,647
August	28	72	1,347	499	336,245	100	56,379	31,935	29,643	454,302
September	25	65	1,018	377	233,713	-	30,647	30,231	8,935	303,526
October	29	64	828	313	183,409	1,270	28,592	17,206	-	230,477
November	22	25	215	91	37,050	1,010	8,543	9,114	-	55,717
Totals	158	344	5,542½	2,106	1,342,645	6,165	178,985	131,353	86,083	1,745,231

TABLE 38 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 4 QUEBEC DRAGGERS IN 1953

(54-60 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	No. of Trips	Days at Sea	Hours Actual Dragging	No. of Hauls	FISH LANDINGS IN LBS						
					Cod	Hake	Halibut	Flounders	Rosefish	Shack	Total Fresh
	No.	No.	No.	No.	lbs	lbs	lbs	lbs	lbs	lbs	lbs
June	4	9	153	61	42,359	430	-	1,915	-	4,413	49,117
July	21	68	1,015	390	382,094	-	-	15,000	14,918	29,705	441,717
August	18	55	623	281	313,209	-	33	24,726	38,035	26,770	402,773
September	19	61	682	264	252,094	-	21	24,164	19,003	10,681	305,963
October	24	67	742	293	232,026	1,546	-	31,108	101,855	-	366,535
November	9	20	228	92	39,860	1,000	-	10,075	23,495	-	74,430
Totals	95	280	3,443	1,381	1,261,642	2,976	54	106,988	197,306	71,569	1,640,535

TABLE 39 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 8 N.S. CAPE ISLAND BOATS IN 1953

(35-50 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	No. of Trips	Days at Sea	Hours Actual Fishing		Lines Fished	No. of Sets	FISH LANDINGS IN LBS								
			Ground-fish	Sword-fish			Cod	Haddock	Pollock Hake & Cusk	Halibut	Flounders	Catfish	Swordfish	Fish Meal & Other	Total Fresh
January	83	83	771	-	6,706	83	61,111	73,126	30,106	266	55	795	-	-	165,459
February	53	53	498	-	4,286	53	56,676	36,785	16,734	173	275	1,785	-	-	112,428
March	32	35	275	-	2,542	35	39,420	17,314	5,071	256	645	3,330	-	-	66,036
April	47	64	571	-	4,548	65	82,431	28,724	20,051	675	100	597	-	-	132,578
May	59	78	679	-	5,712	85	81,390	44,916	21,119	2,561	720	5,815	-	-	156,521
June	60	107	987	-	8,333	113	118,036	37,016	39,340	4,840	644	2,823	-	578	203,277
July	60	96	852	-	7,134	96	80,640	46,495	44,851	2,436	110	2,470	-	13,660	190,662
August	61	95	794	22	6,867	94	81,671	47,534	69,484	1,326	639	2,112	595	29,680	233,039
September	61	81	662	22	5,611	79	94,272	24,647	79,887	2,956	85	970	1,504	28,095	232,416
October	30	39	373	-	3,206	39	65,079	14,577	21,487	2,018	20	160	-	21,839	125,180
November	65	67	713	-	5,912	67	95,890	33,193	23,705	1,134	135	415	-	30,828	185,300
December	41	41	408	-	3,454	41	29,167	31,368	12,400	293	10	80	-	19,474	92,792
Totals	652	839	7,583	44	64,311	850	885,783	435,695	384,235	18,934	3,438	21,352	2,097	144,154	1,895,688

TABLE 40 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 14 N.S. LONG-LINERS IN 1953

(51-60 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	No. of Trips	Days at Sea	Hours Actual Fishing		Lines Fished	No. of Sets	FISH LANDINGS IN LBS								
			Ground-fish	Sword-fish			Cod	Haddock	Pollock Hake & Cusk	Halibut	Rosefish & Flounders	Catfish	Sword-fish	Fish Meal & Other	Total Fresh
January	96	109	1,237	-	11,326	149	344,811	103,835	39,622	425	415	635	-	-	489,743
February	46	49	549	-	5,153	68	127,875	27,704	14,877	140	15	170	-	-	170,781
March	43	53	507	-	5,120	59	131,437	36,563	8,921	922	1,410	1,772	-	-	181,025
April	55	125	1,361	-	12,851	185	244,510	81,668	17,191	24,230	2,145	929	-	-	370,673
May	49	173	1,818	-	16,246	220	243,654	33,592	17,965	63,430	5,381	1,781	-	-	365,803
June	22	141	1,040	534	7,312	111	77,439	23,283	20,571	27,231	960	2,080	24,353	-	175,917
July	38	340	748	3,168	5,274	92	31,327	28,510	29,923	31,077	10	1,439	199,370	-	321,656
August	51	257	893	2,040	6,085	103	25,653	28,535	28,777	40,350	25	447	95,531	11,129	230,447
September	37	133	879	665	5,839	93	47,393	22,633	52,174	26,113	152	386	31,117	3,060	163,028
October	25	54	632	-	6,143	60	123,887	50,527	21,499	4,283	550	1,019	-	660	202,425
November	99	111	1,181	-	12,482	166	242,372	93,054	58,926	1,459	6,337	931	-	18,808	421,887
December	70	75	784	-	8,256	114	156,723	94,656	35,946	513	145	30	-	9,392	297,405
Totals	631	1,620	11,629	6,407	102,087	1,420	1,797,081	624,560	326,392	220,173	17,545	11,619	350,371	43,049	3,390,790

TABLE 41 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 5 N.S. DRAGGERS IN 1953

(54-60 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	No. of Trips	Days at Sea	Hours Actual Fishing			Lines Fished	No. of Sets	No. of Hauls	FISH LANDINGS IN LBS						
			Ground-fish	Sword-fish	Drugging				Cod	Haddock	Pollock Hake & Catfish	Halibut Rosefish & Flounders	Sword-fish	Fish Meal & Other	Total Fresh
January	29	37	313	-	76	2,628	26	54	56,903	46,272	9,067	1,424	-	-	113,666
February	18	20	194	-	18	1,791	17	10	37,715	12,805	3,140	203	-	-	53,863
March	9	12	22	-	102	240	2	64	13,385	51,285	121	327	-	-	65,118
April	9	19	22	-	117	240	2	70	15,582	30,121	540	8,804	-	-	55,047
May	13	58	-	-	431	-	-	287	53,179	154,439	2,725	137,387	-	-	347,730
June	10	50	-	75	363	-	-	238	25,464	69,089	6,422	160,728	3,276	25	265,004
July	19	143	-	1,010	439	-	-	258	19,601	46,155	3,903	190,033	41,478	-	301,170
August	12	56	-	280	319	-	-	228	6,668	65,055	1,816	97,382	7,130	-	178,051
September	16	67	-	-	469	-	-	296	12,479	63,001	16,799	108,350	-	3,210	203,839
October	16	54	-	-	381	-	-	228	13,492	88,374	34,500	64,729	-	345	201,440
November	15	67	-	-	499	-	-	301	28,225	126,998	12,176	155,301	-	-	322,700
December	12	34	-	-	198	-	-	119	4,616	59,764	12,011	800	-	-	77,191
Totals	178	617	551	1,365	3,412	4,899	47	2,153	287,309	813,358	103,220	925,468	51,884	3,580	2,184,819

NOTE: These are dual purpose boats which long-line and drag. Sets refer to long-lining and hauls to dragging.

TABLE 42 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 11 N.B. DRAGGERS IN 1963

(46-50 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	Number of Trips	Days at Sea	Hours Actual Dragging	Number of Hauls	FISH LANDINGS IN LBS					
					Cod	Haddock	Hake	Flounders	Shack	Totals
May	4	16	211	99	38,145	-	-	13,080	-	51,225
June	60	183	2,540	1,171	643,509	1,620	6,253	229,750	475	880,607
July	59	199	3,089	1,414	819,957	1,540	1,800	259,081	6,115	1,088,493
August	53	194	2,790	1,266	712,835	4,755	7,627	375,341	12,810	1,113,368
September	54	199	2,604	1,125	493,249	4,570	6,155	306,744	7,020	817,738
October	45	158	1,879	792	318,132	38,895	13,380	257,250	4,460	632,117
November	27	77	865	360	140,795	235	7,725	178,356	15,805	342,916
December	5	6	66	36	7,355	-	5,000	24,880	8,125	45,360
Totals	307	1,032	14,044	6,263	3,173,977	51,615	46,940	1,644,482	54,810	4,971,824

TABLE 43 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 24 N.B. DRAGGERS IN 1963

(54-60 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	Number of Trips	Days at Sea	Hours Actual Dragging	Number of Hauls	FISH LANDINGS IN LBS									
					Cod	Haddock	Hake	Pollock	Halibut	Flounders	Rosefish	Scallops	Shack	Totals
May	18	48	678	375	136,285	16,185	2,065	-	-	87,180	-	35,125	-	276,840
June	104	325	4,322	2,187	1,616,479	39,094	15,575	-	-	911,164	-	82,918	5,130	2,670,360
July	116	406	5,578	2,863	2,536,765	17,591	6,241	-	-	1,290,848	67,330	5,400	3,115	3,927,290
August	110	392	5,066	2,508	1,971,837	71,644	65,251	-	-	850,123	483,596	-	2,720	3,445,171
September	109	430	5,252	2,376	1,739,740	67,541	39,409	-	-	813,029	219,361	-	8,755	2,887,835
October	115	406	4,767	2,237	1,499,062	271,376	155,668	-	285	545,544	52,629	-	4,263	2,528,827
November	47	144	1,442	641	248,716	79,350	36,683	100	-	319,673	-	-	30,140	714,562
December	16	50	542	236	37,560	32,746	6,880	-	-	113,048	100	-	2,640	192,974
Totals	635	2,201	27,647	13,423	9,786,444	595,527	327,772	100	285	4,930,509	823,016	123,443	56,763	16,643,859

TABLE 44 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR 2 P.E.I. DRAGGERS IN 1953

(46-50 ft. class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	Number of Trips	Days at Sea	Hours Actual Dragging	Number of Hauls	FISH LANDINGS IN LBS					
					Cod	Haddock	Hake	Flounders	Scallops	Total
April	8	11	92	81	-	-	-	-	33,281	33,281
May	37	38	441	386	-	-	-	-	281,721	281,721
June	29	29	375½	333	-	-	-	-	195,821	195,821
July	7	19	157	101	8,405	43,603	3,610	14,350	-	69,968
Totals	81	97	1,065½	901	8,405	43,603	3,610	14,350	510,823	580,791

TABLE 45 - FISHING EFFORT AND LANDINGS OF FRESH FISH BY MONTHS FOR C.P.E.I. DRAGGERS IN 1953

(54-60 ft. Class)

Long-liner and Dragger Study

Maritime Provinces and Quebec

Month	No. of Trips	Days at Sea	Hours Actual Dragging	Number of Hauls	FISH LANDINGS IN LBS.									
					Cod	Haddock	Pollock	Hake	Sole	Flounders	Rosefish	Catfish	Shack	Total
April	6	23	150	95	37,747	117,566	675	-	-	15,196	1,175	1,710	-	174,069
May	14	71	786	442	85,456	219,968	-	6,689	4,600	255,270	-	-	-	571,983
June	15	62	632	369	46,130	177,735	-	12,405	-	330,230	-	-	3,600	570,100
July	17	84	912	547	48,090	225,270	-	36,560	-	306,875	-	-	6,400	623,195
August	28	132	1,498 $\frac{1}{2}$	937	43,055	533,915	-	78,065	9,300	220,035	-	-	3,390	807,760
September	24	122	1,060 $\frac{3}{8}$	645	45,470	230,735	-	93,140	-	211,642	-	-	-	580,987
October	30	150	1,487 $\frac{3}{8}$	760	42,140	340,758	-	105,290	3,800	172,494	-	-	5,770	670,252
November	29	140	1,354 $\frac{1}{2}$	684	63,661	298,375	-	42,075	-	279,709	-	-	430	684,250
December	4	10	50 $\frac{1}{2}$	25	1,515	13,620	-	2,070	-	3,845	-	-	-	21,050
Totals	167	794	7,931 $\frac{1}{2}$	4,504	413,264	2,157,942	675	376,294	17,700	1,795,296	1,175	1,710	19,590	4,733,646