

INTERNATIONAL COMMISSION

FOR THE

NORTHWEST ATLANTIC FISHERIES



SAMPLING YEARBOOK

VOLUME 11

for the year 1966

Issued from the Headquarters of the Commission

Dartmouth, N. S., Canada

1968

Contributors

CANADA

A. C. Kohler
A. W. May
A. Marcotte
A. T. Pinhorn
J. O'Brien
D. N. Fitzgerald

DENMARK

S. A. Horsted

FRANCE

J. Morice

GERMANY, FEDERAL REPUBLIC

A. Meyer

ICELAND

J. Jónsson

NORWAY

E. Bratberg

POLAND

A. Kosior

PORTUGAL

R. Monteiro

UNION OF SOVIET SOCIALIST REPUBLICS

A. S. Noskov
A. P. Senina
K. G. Konstantinov

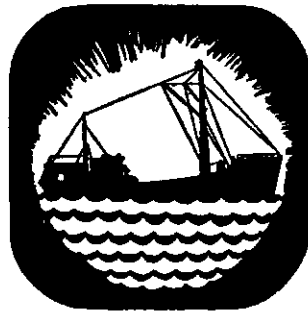
UNITED KINGDOM

D. J. Garrod

UNITED STATES

F. Dreyer

INTERNATIONAL COMMISSION
FOR THE
NORTHWEST ATLANTIC FISHERIES



SAMPLING YEARBOOK

VOLUME 11

for the year 1966

Issued from the Headquarters of the Commission
Dartmouth, N. S., Canada

1968

PREFACE

This volume of the Sampling Yearbook summarizes length, age and weight data for cod, haddock, redfish, silver hake, American plaice, Greenland halibut, winter flounder, witch, yellowtail, pollock and white hake collected during the calendar year 1966 in the ICNAF area.

Data has been contributed by Canada, Denmark, Federal Republic of Germany, France, Iceland, Norway, Poland, Portugal, USSR, UK and USA.

No data were received from Spain covering their 1966 sampling. Italy did not fish during 1966.

Presentation of the data in this volume follows the 1964 recommendations of the Sampling Subcommittee (Redbook 1964, Pt. 1, p. 36-37):

- a) that countries be requested to continue to report length composition data as numbers per mille on the same time (month), area (statistical division), gear and vessel category basis as in previous years, and that for redfish and species of flounder and halibut (but not other species) they should also be broken down by sex, and for redfish by 50-fathom depth zones also. Other items of relevant information should also be reported and published in accordance with earlier recommendations (see "Report of Working Group on Sampling Yearbook"; Redbook 1962, Part 1, p. 39-41). The importance of continuing to supply information on the number and weight of fish measured and the number and weight of fish caught or landed in the sampled fishery is particularly stressed.
- b) that age data for cod and haddock should, in future, be reported and published in the form of age-length keys grouped by quarters, statistical division, gear and vessel category. For all other species age data should continue to be reported as direct age-compositions as in the past.
- c) that when both length and age data are available for cod and haddock for the same fishery, they should be reported and published in a composite, tabular form.

Following the 1965 recommendations of the Subcommittee (Redbook 1965, Pt. 1, p. 69-70):

- i) that publication in the Sampling Yearbook of the age-length key data for 1961, 1962 and 1963 be deferred
and
- ii) that within the next two years the Statistician of the ICNAF Secretariat make arrangements for transferring this age-length

information to data-processing cards, and in association with ICNAF scientists carry out a study of the heterogeneity of the material with a view to preparing summary tables for study and eventual publication.

The 1961, 1962 and 1963 age-length keys have, by courtesy of the Woods Hole Laboratory of the U. S. Bureau of Commercial Fisheries, been transferred to data-processing cards. The material has been forwarded to Canadian scientists for study of the heterogeneity of the material and will be reported upon at the 1968 Annual Meeting.

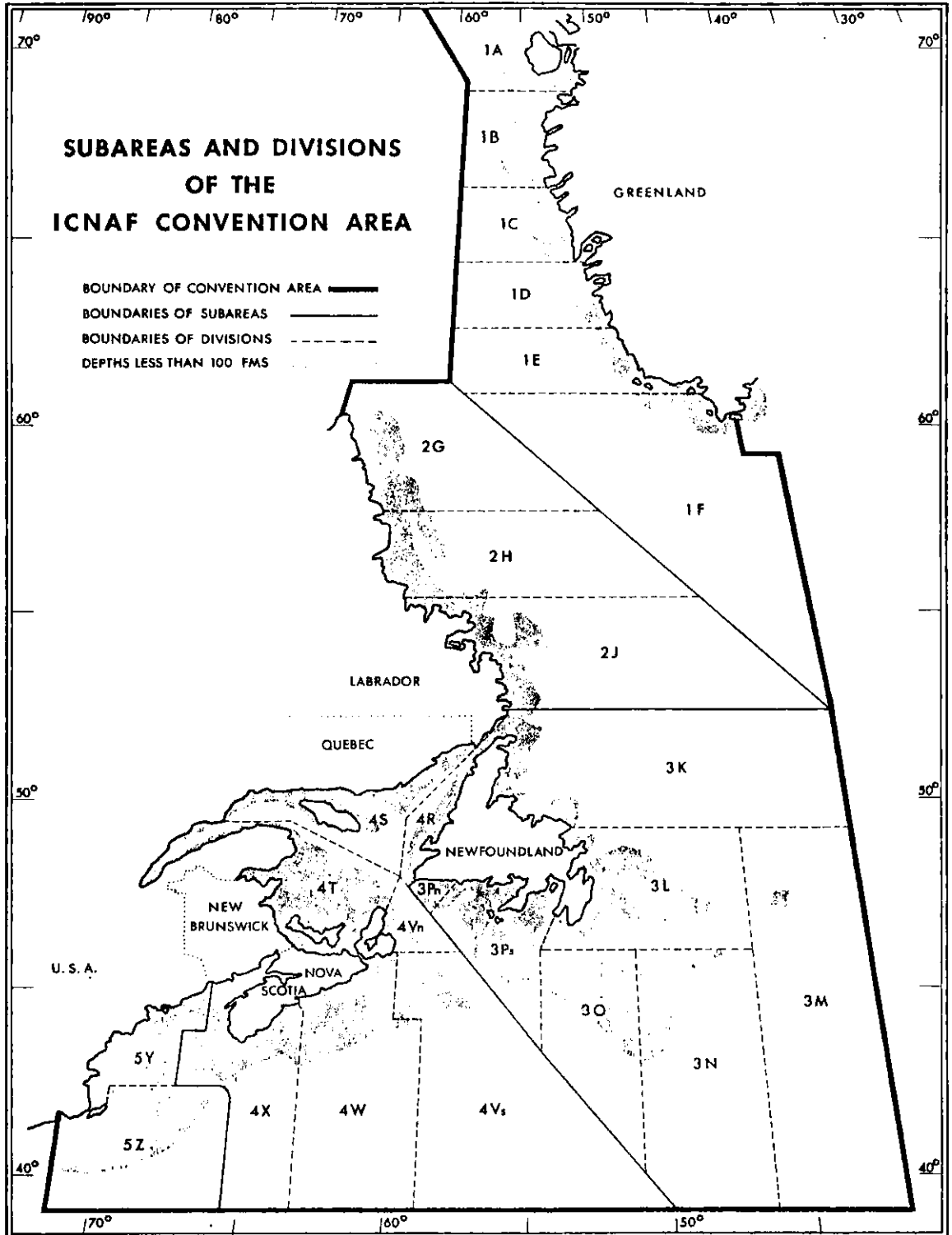
Where length data alone were submitted, length frequencies are reported for all species on a "per mille" basis. Where age data alone were submitted, age compositions are reported for all species except cod and haddock on a "per mille" basis. Where age and length data for cod and haddock were submitted but were not from the same fishery, age-length keys on an actual number basis are reported. Where age and length data for cod and haddock were submitted and were from the same fishery then there is reported, on a single form called the age-length table:

1. The age-length key, in actual numbers, of the composite quarterly age samples,
2. The length composition, in "per mille" of the composite monthly length samples,
3. The age composition of landings in each month of the quarter by using the age-length key to calculate the proportion of ages in each length group in the composite length compositions.

The Secretariat is grateful to the personnel of those laboratories who have continued to support the Commission's need for more and adequate sampling of the ICNAF fish stocks with a view to providing better fishery assessments in relation to regulation problems.

L. R. Day
Executive Secretary

April, 1968



LIST OF CONTENTS

	Pages
Preface - L. R. Day	ii
Notes on Sampling Data	ix
Canada (Maritimes and Quebec)	ix
Canada (Newfoundland)	x
Denmark (Greenland)	x
Germany, Federal Republic	x
Iceland	xi
Norway	xi
Poland	xi
Portugal	xi
United Kingdom	xi
United States	xi

COD

1966	<u>Length Frequencies</u>	
Table 1	Division 1B	1
2	Division 1C	2
3	Division 1D	3
4	Division 1E	4
5	Division 1F	5
6	Division 2G	6
7	Division 2H	7
8	Division 2J	8
9	Division 3K	9
10	Division 3L	11
11	Division 3M	15
12	Division 3N	17
13	Division 3O	18
14	Division 3Pn	19
15	Division 3Ps	20
16	Division 4R	22
17	Division 4S	24
18	Division 4T	25
19	Division 4T and 4Vn	27
20	Division 4Vn	28
21	Division 4Vs	29
22	Division 4W	30
23	Division 4X	31
24	Division 5Z	32
	<u>Age/Length Keys</u>	
Table 25	Division 1B	34
26	Division 1C	38
27	Division 1D	41
28	Division 1E	44
29	Division 1F	47

COD (cont'd)

		Pages
1966	<u>Age/Length Tables</u>	
Table 30	Division 1A	49
31	Division 1B	50
32	Division 1C	53
33	Division 1D	56
34	Division 1E	62
35	Division 1F	65
36	South East Greenland	71
37	East Greenland	72
38	Division 2G	76
39	Division 2H	77
40	Division 2J	80
41	Division 3K	85
42	Division 3L	89
43	Division 3M	92
44	Division 4R	94

HADDOCK

	<u>Length Frequencies</u>	
Table 45	Division 3N	95
46	Division 3O	96
47	Division 3Ps	97
48	Division 4R	98
49	Division 4T	99
50	Division 4Vn	100
51	Division 4W	101
52	Division 4X (North)	102
53	Division 4X (South)	104
54	Division 4X	105
55	Division 5Z	106
	<u>Age/Length Tables</u>	
Table 56	Division 4W	107
57	Division 4X	108
58	Division 5Y	109
59	Division 5Z	111

REDFISH

	<u>Length Frequencies</u>	
Table 60	Division 1B	118
61	Division 1C	119
62	Division 1D	120
63	Division 2H	122
64	Division 2J	123
65	Division 3K	125

REDFISH (cont'd)

		Pages
1966	<u>Length Frequencies</u>	
Table 66	Division 3L	126
67	Division 3M	127
68	Division 3N	128
69	Division 3Pn	129
70	Division 3Ps	130
71	Division 4R	132
72	Division 4S	134
73	Divisions 4R, 4S and 4T	135
74	Division 4Vn	137
75	Division 4V	138
76	Division 4W	139
77	Division 4X	141
78	Division 5Y	145
79	Division 5Z	147
 <u>Age Frequencies</u>		
Table 80	Division 2H	148
81	Division 2J	149
82	Division 3L	151
 <u>Age/Length Keys and Frequencies</u>		
Table 83	Listing of available data	152

SILVER HAKE

<u>Length Frequencies</u>		
Table 84	Division 4W	153
85	Division 5Z	154
 <u>Age Frequencies</u>		
Table 86	Division 4W	156
87	Division 4X	158
88	Division 5Z	159
 <u>Age/Length Keys and Frequencies</u>		
Table 89	Listing of available data	164

AMERICAN PLAICE

<u>Length Frequencies</u>		
Table 90	Division 1C	165
91	Division 2J	166
92	Division 3K	167
93	Division 3L	168
94	Division 3N	170
95	Division 3O	175
96	Division 3P	177
97	Division 4T	178
98	Division 4Vs	180

GREENLAND HALIBUT

		Pages
1966	<u>Length Frequencies</u>	
Table 99	Division 2J	181
100	Division 3K	182

WINTER FLOUNDER

	<u>Length Frequencies</u>	
Table 101	Division 4T	183

WITCH

	<u>Length Frequencies</u>	
Table 102	Division 3K	185
103	Division 3O	186
104	Division 4T	187
105	Division 4Vn	188
106	Division 4W	189

YELLOWTAIL

	<u>Length Frequencies</u>	
Table 107	Division 3N	190
108	Division 3O	191
109	Division 3P	192
110	Division 4T	193
111	Division 4Vs	194
112	Division 4W	195

POLLOCK

	<u>Length Frequencies</u>	
Table 113	Division 4W	196
114	Division 4X	197

WHITE HAKE

	<u>Length Frequencies</u>	
Table 115	Division 4T	198

APPENDIX

Corrections to Sampling Yearbook, Volume 10	199
---	-----

NOTES ON THE SAMPLING DATA

The "Notes on the Sampling Data" which appear below have been contributed by the reporting countries. Each contributor is required to report to the Secretariat any information, pertinent to the sampling data, that he wishes to have published.

CANADA (Maritimes and Quebec)

Reported by: A. C. Kohler
D. N. Fitzgerald
A. Marcotte

Commercial landings of groundfish in the provinces of Nova Scotia, New Brunswick and Prince Edward Island have been continuously sampled for size and age composition since 1945. Sampling emphasis has been placed on landings by offshore vessels at the largest groundfish ports, but has also included sampling from the inshore fleets. Length frequencies from routine sampling of the commercial catches and landings are reported to the Commission. Age-frequency data are not reported.

Landings of cod and haddock are normally culled by market category. Cod are divided into Large (Steak) and Medium (Market) sizes at about 10 pounds fresh gutted weight. Small (scrod) cod and haddock are mainly less than 2 1/2 pounds gutted weight. Small round haddock are sometimes landed in a separate market category. These market categories are usually sampled approximately in proportion to the relative numbers of each in a trip landing. When the final weighout is available the length frequency of the landings is determined by applying weighting factors to each category. Other species reported are not usually culled by market category. Length frequencies by sexes are usually given for redfish, American plaice, yellowtail, witch, and winter flounder. In 1966 some of the samples were not examined for sex and total frequencies only are available for these samples.

Length frequencies of haddock landings from the Bay of Fundy area of Division 4X differ markedly from those in the southern area of LaHave and Browns Banks. Haddock samples from Division 4X have been summarized separately for the two regions: (1) the area north of Latitude 44° 00' N; (2) the area south of Latitude 44° 00' N.

Fork length measurements are recorded to the nearest centimetre for each fish. These measurements are reported by 3-cm groups for cod and pollock, 2-cm groups for haddock, white hake, and cusk, and 1-cm groups for redfish and flounders. Mesh size is recorded as the approximate inside, stretched, wet, used measurement of an average codend mesh. Hook size is given by number, No. 6/0 being the smallest commercial groundfish hook and No. 14 being the largest hook used on longlines by Quebec. Combined samples by tonnage classes are unweighted.

CANADA (Newfoundland)

Reported by: A. M. Fleming
A. T. Pinhorn
A. W. May
J. O'Brien

Length frequencies are based on sampling of the commercial landings of cod, haddock and American plaice. The research samples from Labrador were caught on commercial gears operated from a small research boat.

Measurements are of fork lengths recorded to the nearest centimetre and are carried out on shore, before appreciable culling by the plant has occurred. Samples of landings after discard indicate that discarding has taken place at sea before landing. Samples of landings before discard indicate that no discarding has occurred at sea before landing.

The sample frequencies are converted to numbers per mille, but are otherwise unadjusted.

The mesh sizes are difficult to sort since manilla, nylon, etc., can be used on the same trip and frequencies cannot be separated according to type of twine and size of mesh. Also, the mesh size given is often of the size dry as bought, before use - the only size that the fishermen generally know. The symbols used on the forms are as follows:

M = Manilla
N = Nylon
P = Polypropylene
L = large size mesh
S = small size mesh

In a few cases no information was available on mesh size or trawl material. In these cases it was either dashed or left blank altogether.

DENMARK (Greenland)

Reported by: Sv. Aa. Horsted

Length measurements are made of the total length (end of tail lobes) and recorded to the centimetre below.

GERMANY, FEDERAL REPUBLIC

Reported by: Arno Meyer

Length measurements are made of the total length (end of tail lobes) and recorded to the centimetre below.

ICELAND

Reported by: Jon Jónsson

Length measurements are taken from total length to nearest centimetre. (Board is offset 0.5 cm to permit reading to nearest cm.)

NORWAY

Reported by: E. Bratberg

Measurements are made of the total length to the nearest centimetre, and not of the fork length as has been erroneously reported in issues of the Sampling Yearbook prior to Volume No. 8 for 1963.

POLAND

Reported by: F. Chrzan

Measurements are made of the total length to the nearest centimetre. The measuring board is offset 0.5 cm to permit measuring to the nearest centimetre.

PORTUGAL

Reported by: Ruy Monteiro

Length measurements are made of the fork length recorded to the nearest centimetre.

UNITED KINGDOM

Reported by: D. J. Garrod

Measurements are made of the total length to the centimetre below.

UNITED STATES

Reported by: F. Dreyer

The length frequency samples measurements were made of the fork length to the nearest centimetre for haddock and to the nearest millimetre for redfish. For scale and otolith samples, measurements are made of the fork length to the nearest millimetre for both haddock and redfish.

TABLE 1 LENGTH FREQUENCIES - COD - 1B - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl			
	(Commercial)			
CATCHES/LANDINGS	Landings			
MONTH	January	June	October	October
COUNTRY	United Kingdom			
TONNAGE	901-1800	501-900	901-1800	501-900
33	-	3	-	-
36	4	2	-	-
39	19	12	-	-
42	87	27	7	37
45	189	43	39	59
48	200	74	69	89
51	192	119	135	135
54	136	93	147	140
57	60	154	144	96
60	49	142	128	117
63	15	93	71	81
66	15	86	86	66
69	4	66	49	39
72	11	30	45	34
75	4	27	32	29
78	11	10	17	15
81	-	10	5	12
84	-	4	7	11
87	-	3	6	12
90	4	1	8	7
93	-	2	2	10
96	-	1	1	7
99	-	1	1	2
102	-	1	-	1
105	-	-	-	1
108	-	0	1	-
111	-	-	-	2
Total ‰	1000	1004	1000	1002
Serial Numbers	-	-	-	-
Number of Samples	1	2	1	2
Number of Fish Measured	265	622	845	523
Mean Length (cm)	-	-	-	-
Mean Weight (kg)	-	-	-	-
Total Weight Landed (tons)	32.9	303.3	444.9	271.4
Estimated Number Landed	27433	203349	241623	140386
Mesh(mm) or Hook(no.) Size	-	-	-	-
Range of Depths (fm)	-	-	-	-

TABLE 2 LENGTH FREQUENCIES - COD - 1C - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl
CATCHES/LANDINGS	(Commercial)
MONTH	Landings
COUNTRY	January
TONNAGE	United Kingdom
	901-1800
36	4
39	19
42	87
45	189
48	200
51	192
54	136
57	60
60	49
63	15
66	15
69	4
72	11
75	4
78	11
81	-
84	-
87	-
90	4
Total ‰	1000
Serial Numbers	-
Number of Samples	1
Number of Fish Measured	265
Mean Length (cm)	-
Mean Weight (kg)	-
Total Weight Landed (tons)	56.7
Estimated Number Landed	47363
Mesh(mm) or Hook(no.) Size	-
Range of Depths (fm)	-

TABLE 3

LENGTH FREQUENCIES - COD - LD - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)				
	Landings				
CATCHES/LANDINGS	January	April	May	June	September
MONTH	United Kingdom				
COUNTRY	United Kingdom				
TONNAGE	501-900	901-1800	1801-2700	2701-3600	3601-4500
36	-	-	-	1	-
39	-	11	4	1	-
42	36	2	18	10	59
45	52	1	74	23	77
48	108	39	123	30	143
51	290	103	144	43	203
54	161	120	158	75	143
57	97	118	110	73	103
60	52	186	74	81	162
63	54	143	44	90	28
66	51	128	51	90	51
69	26	61	43	69	18
72	16	72	28	81	2
75	9	3	23	46	1
78	12	5	39	54	1
81	12	-	27	63	3
84	14	5	21	55	2
87	-	-	5	32	3
90	4	-	2	35	0
93	3	-	4	17	-
96	-	-	2	7	1
99	1	-	-	10	-
102	-	-	-	4	-
105	-	-	2	5	-
108	-	-	-	3	-
111	1	-	-	2	-
Total ‰	999	997	1001	1000	1000
Serial Numbers	-	-	-	-	-
Number of Samples	1	1	1	5	1
Number of Fish Measured	260	246	564	1372	255
Mean Length (cm)	-	-	-	-	-
Mean Weight (kg)	-	-	-	-	-
Total Weight Landed (tons)	108.8	72.3	129.3	1056.7	158.3
Estimated Number Landed	71024	42780	79771	435735	118600
Mesh(mm) or Hook(no.) Size	-	-	-	-	-
Range of Depths (fm)	-	-	-	-	-

TABLE 4

LENGTH FREQUENCIES - COD - 1E - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)				
CATCHES/LANDINGS	Landings				
MONTH	May	May	June	September	October
COUNTRY	United Kingdom				
TONNAGE	901-1800		501-900		
36	-	-	5	-	-
39	4	0	10	-	-
42	18	18	54	41	54
45	74	36	78	101	108
48	128	61	138	80	130
51	144	119	191	103	145
54	158	138	191	160	170
57	110	93	144	70	182
60	74	95	70	175	86
63	44	93	39	101	70
66	51	88	16	80	39
69	43	45	6	23	4
72	28	53	17	20	4
75	23	41	10	2	2
78	39	39	11	35	2
81	27	20	4	2	1
84	21	21	5	3	1
87	5	16	7	2	0
90	2	13	1	0	1
93	4	5	2	-	0
96	2	2	0	0	0
99	-	0	1	-	0
102	-	2	1	-	-
105	2	1	-	-	-
108	-	-	-	-	-
111	-	-	0	-	0
Total ‰	1001	999	1001	998	999
Serial Numbers	-	-	-	-	-
Number of Samples	1	3	2	1	1
Number of Fish Measured	564	754	443	213	265
Mean Length (cm)	-	-	-	-	-
Mean Weight (kg)	-	-	-	-	-
Total Weight Landed (tons)	226.9	438.1	235.8	90.3	120.5
Estimated Number Landed	139934	238450	187342	57984	92592
Mesh(mm) or Hook(no.) Size	-	-	-	-	-
Range of Depths (fm)	-	-	-	-	-

TABLE 5 LENGTH FREQUENCIES - COD - 1F - 1966

(FREQUENCIES IN % - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)							
	Landings ¹							
CATCHES/LANDINGS								
MONTH	August ¹	August ¹	August ¹	August	September	September	October	November
COUNTRY	United Kingdom							
TONNAGE	901-1800		501-900		901-1800		501-900	
33	-	-	-	-	-	1	-	-
36	-	-	-	-	-	-	11	-
39	-	18	15	-	-	8	30	1
42	9	67	57	20	8	31	103	8
45	53	139	124	66	40	79	111	40
48	106	133	129	160	52	108	127	83
51	154	248	232	186	79	140	133	128
54	178	127	136	215	123	178	119	113
57	179	145	151	183	119	131	107	105
60	161	91	103	108	75	150	114	158
63	71	18	27	39	99	68	40	83
66	30	-	5	8	60	38	34	42
69	12	-	2	4	48	16	11	65
72	5	12	11	3	48	16	9	44
75	7	-	1	2	44	13	13	16
78	6	-	1	2	44	12	8	50
81	5	-	1	3	20	5	11	30
84	5	-	1	0	52	2	6	15
87	5	-	1	1	20	0	6	8
90	4	-	1	0	40	4	4	8
93	2	-	0	0	12	0	2	4
96	3	-	0	0	-	0	-	-
99	1	-	0	-	12	-	1	1
102	2	-	0	-	4	0	1	-
105	1	-	0	-	4	0	-	-
108	-	-	-	-	-	-	-	-
111	-	-	-	-	-	0	-	-
114	-	-	-	-	-	0	-	-
117	-	-	-	-	-	-	-	-
120	-	-	-	-	-	0	-	-
Total %	999	998	998	1000	1003	1000	1001	1002
Serial Numbers	-	-	-	-	-	-	-	-
Number of Samples	1	1	2	2	1	4	2	1
Number of Fish Measured	2786	165	2951	443	252	863	550	256
Mean Length (cm)	-	-	-	-	-	-	-	-
Mean Weight (kg)	-	-	-	-	-	-	-	-
Total Weight Landed (tons)	68.3	499.3	589.4	343.1	236.3	383.1	197.9	123.1
Estimated Number Landed	68682	432477	523015	298449	117204	283544	150966	64293
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	-	-	-
Range of Depths (fm)	-	-	-	-	-	-	-	-

¹ August: Scientific Staff measured 2786 fish from catches aboard commercial freezer trawler. Also, 165 fish were measured from market landings of another vessel. The frequency is shown separately and combined.

TABLE 6

LENGTH FREQUENCIES - COD - 2G - 1966

(FREQUENCIES IN % - 3 CM GROUPS)

GEAR	Norwegian Jigger
CATCHES/LANDINGS	(Research)
MONTH	July
COUNTRY	Canada (Newfoundland)
TONNAGE	Small Boat
33	2
36	-
39	2
42	6
45	12
48	54
51	104
54	190
57	240
60	180
63	128
66	62
69	14
72	6
75	-
78	2
Total %	1002
Serial Numbers	-
Number of Samples	2
Number of Fish Measured	501
Mean Length (cm)	58.17
Mean Weight (kg)	-
Total Weight Landed (tons)	-
Estimated Number Landed	-
Mesh(mm) or Hook(no.) Size	-
Range of Depths (fm)	4-10

TABLE 7 LENGTH FREQUENCIES - COD - 2H - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl		Trap	Jigger
	(Research)		(Commercial)	
CATCHES/LANDINGS	NK		Landings Before Discards	
MONTH	January	September	July	July
COUNTRY	USSR	France (M)	Canada (Newfoundland)	
TONNAGE	1800	850-1500	Small Boats	
21	-	34	-	-
24	-	76	-	-
27	-	106	-	-
30	-	133	-	-
33	1	87	-	-
36	2	68	1	-
39	8	65	19	1
42	20	106	19	1
45	38	65	38	5
48	107	84	36	14
51	154	30	102	43
54	201	34	158	86
57	153	15	154	186
60	138	34	199	227
63	87	27	118	215
66	56	11	93	123
69	23	11	45	60
72	6	-	11	18
75	5	-	4	16
78	1	8	-	4
81	-	-	-	1
84	-	-	-	1
87	-	-	-	1
90	-	-	1	-
93	-	-	-	-
96	-	-	-	-
99	-	4	-	-
Total ‰	1000	1000	998	1002
Serial Numbers	-	-	-	-
Number of Samples	-	3	4	6
Number of Fish Measured	3325	263	728	1024
Mean Length (cm)	56.44	-	58.44	61.78
Mean Weight (kg)	-	-	-	-
Total Weight Landed (tons)	-	-	-	-
Estimated Number Landed	-	-	-	-
Mesh(mm) or Hook(no.) Size	110	-	3 1/2-4 ¹	# 5
Range of Depths (fm)	110-210	71-120	9-10	3-8

¹ inches, cotton

TABLE 8

LENGTH FREQUENCIES - COD - 2J - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl				Trap	Jigger	Gillnet		
	(Commercial)	(Research)					(Commercial)		
CATCHES/LANDINGS	Catches	NK			Landings Before Discards				
MONTH	NK	August	September	September	July	August	August	July	August
COUNTRY	Poland	France (M)	USSR		Canada (Newfoundland)				
TONNAGE	2670	850-1500		1800	Small Boats				
15	-	1	-	-	-	-	-	-	-
18	-	1	-	-	-	-	-	-	-
21	1	8	4	-	-	-	-	-	-
24	8	29	12	-	-	-	-	-	-
27	30	112	42	2	-	-	-	-	-
30	42	116	82	7	-	-	-	-	-
33	67	120	73	10	-	-	1	-	-
36	92	105	57	20	11	13	1	-	-
39	87	99	76	39	41	68	2	-	-
42	85	73	72	70	77	146	11	-	-
45	77	69	73	119	99	178	16	1	-
48	89	61	79	115	114	128	28	1	-
51	107	69	77	136	128	122	58	7	-
54	99	34	83	152	128	115	91	44	-
57	83	42	82	107	123	83	131	123	6
60	58	24	73	102	96	59	132	193	9
63	35	16	48	57	71	45	146	198	15
66	18	10	29	33	47	18	101	145	21
69	10	3	19	17	34	12	89	99	28
72	7	1	9	8	13	4	75	56	54
75	2	2	5	4	10	4	41	34	67
78	2	0	2	1	2	2	35	21	56
81	-	2	1	1	2	2	14	17	129
84	-	2	1	-	1	1	9	20	92
87	-	1	-	-	1	-	6	9	118
90	-	0	-	-	-	-	6	9	107
93	-	1	-	-	-	-	3	10	69
96	-	1	-	-	-	-	3	5	62
99	-	1	-	-	-	-	2	6	75
102	-	-	-	-	-	-	-	1	21
105	-	-	-	-	-	-	1	1	32
108	-	-	-	-	-	-	-	1	4
111	-	-	-	-	-	-	-	-	11
114	-	-	-	-	-	-	-	-	11
117	-	-	-	-	-	-	-	-	6
120	-	-	-	-	-	-	-	-	4
123	-	-	-	-	-	-	-	-	-
126	-	-	-	-	-	-	-	-	-
129	-	-	-	-	-	-	-	-	2
81-95	1	-	-	-	-	-	-	-	-
Total ‰	1000	1000	1000	1000	999	1000	1002	1001	999
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	4	4	8	-	17	2	9	20	10
Number of Fish Measured	7578	1156	8202	13100	4111	858	1949	2097	466
Mean Length (cm)	47.4	-	-	53.02	54.55	50.95	63.84	66.42	87.23
Mean Weight (kg)	-	-	-	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	68	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	114	50	-	110	3 1/2-4 ¹	3 1/2-4 ¹	# 5	6 ²	6-7 ²
Range of Depths (fm)	220-331	82-178	82-178	92-160	7-10	8	6-10	4-11	35-60

1 inches, cotton

2 inches, nylon

TABLE 9

LENGTH FREQUENCIES - COD - 3K - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl					Long Line		
	(Commercial)		(Research)			(Commercial)		
CATCHES/LANDINGS	Catches	Landings		NK		Landings Before Discards		
MONTH	NK	May	December	August	September	June	July	September
COUNTRY	Poland	United Kingdom		France (M)		Canada (Newfoundland)		
TONNAGE	2670	901-1800	501-900	850-1500		NK		
12	-	-	-	-	1	-	-	-
15	-	-	-	-	2	-	-	-
18	-	-	-	9	5	-	-	-
21	1	-	-	10	50	-	-	-
24	2	-	-	26	66	-	-	-
27	8	-	-	35	97	-	-	-
30	14	-	-	33	86	-	-	-
33	28	-	-	28	43	1	-	2
36	62	-	4	43	30	2	3	11
39	87	-	19	61	33	5	4	30
42	106	-	60	75	43	11	10	44
45	105	30	115	87	68	16	14	59
48	113	30	136	111	72	32	28	70
51	105	15	107	119	75	49	44	79
54	87	30	149	101	91	67	61	99
57	86	23	103	84	83	98	84	92
60	61	45	88	56	73	113	109	89
63	41	54	90	41	40	106	116	74
66	28	91	23	24	23	99	109	72
69	19	121	30	16	10	82	99	54
72	12	68	30	9	6	70	78	46
75	8	91	10	4	1	48	55	48
78	10	45	12	3	1	46	48	38
81	3	76	6	2	1	31	33	31
84	4	45	7	2	-	30	22	26
87	2	30	1	2	-	14	19	10
90	3	37	2	2	-	16	15	8
93	2	37	3	2	-	21	12	6
96	-	15	3	2	-	12	9	5
99	-	15	2	1	-	9	6	1
102	1	45	-	1	-	8	5	2
105	-	15	-	-	-	6	4	1
108	-	15	-	-	-	3	3	2
111	-	15	-	-	-	1	3	-
114	-	7	1	1	-	1	2	-
117	-	-	-	1	-	1	1	2
120	-	-	-	-	-	1	1	-
123	-	-	-	-	-	-	1	-
126	-	-	-	-	-	-	1	-
129	-	-	-	-	-	-	-	-
131	-	-	-	-	-	-	-	-
133	-	-	-	1	-	-	-	-
96-101	1	-	-	-	-	-	-	-
105->122	1	-	-	-	-	-	-	-
Total ‰	1000	995	1001	1000	1000	999	999	1001
Serial Numbers	-	-	-	-	-	-	-	-
Number of Samples	4	1	1	8	5	9	13	5
Number of Fish Measured	5681	132	272	1844	3152	2509	3383	3253
Mean Length (cm)	51.0	-	-	-	-	67.58	67.81	61.59
Mean Weight (kg)	-	-	-	-	-	3.19	3.21	2.44
Total Weight Landed (tons)	-	3.5	122.3	-	-	-	-	-
Estimated Number Landed	-	1121	82658	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	114	-	-	-	-	# 6-0	# 6-0	# 6-0
Range of Depths (fm)	151-230	-	-	98-153	98-153	100-160	120-150	5-100

TABLE 9
(cont'd)

LENGTH FREQUENCIES - COD - 3K - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Hand Line		Trap		Gillnet		
	(Commercial)						
CATCHES/LANDINGS	Landings Before Discards						
MONTH	June	June	July	June	July	August	
COUNTRY	Canada (Newfoundland)						
TONNAGE	Small Boats						
30	-	-	1	-	-	-	
33	25	8	23	-	-	-	
36	68	41	67	-	-	1	
39	92	87	112	-	-	1	
42	100	110	139	-	-	1	
45	99	108	126	-	3	2	
48	113	107	104	-	11	1	
51	104	109	101	1	20	-	
54	79	98	89	9	70	1	
57	80	92	75	24	45	3	
60	78	84	62	28	56	9	
63	64	63	39	75	22	21	
66	38	40	23	66	31	49	
69	23	26	18	105	50	62	
72	23	12	7	118	84	128	
75	4	10	6	108	98	131	
78	4	2	2	121	109	137	
81	2	1	1	104	106	117	
84	1	1	1	56	62	97	
87	-	-	1	52	73	80	
90	1	1	-	27	45	52	
93	-	-	-	24	36	31	
96	-	1	1	22	11	24	
99	-	-	1	23	25	12	
102	-	-	1	13	14	6	
105	-	-	1	9	11	4	
108	1	-	-	4	6	2	
111	-	-	-	1	3	2	
114	-	-	-	3	3	2	
117	-	-	-	3	3	-	
120	-	-	-	1	3	-	
Total ‰	999	1001	1001	997	1000	1000	
Serial Numbers	-	-	-	-	-	-	
Number of Samples	7	15	15	9	5	37	
Number of Fish Measured	1448	5936	5309	743	357	2352	
Mean Length (cm)	51.64	52.36	49.95	77.50	76.86	79.51	
Mean Weight (kg)	1.39	1.47	1.28	4.66	4.81	4.72	
Total Weight Landed (tons)	-	-	-	-	-	-	
Estimated Number Landed	-	-	-	-	-	-	
Mesh(mm) or Hook(no.) Size	3020,3021	3 1/2-4 ¹	3 1/2-4 ¹	6-7 ²	6-7 ²	6-7 ²	
Range of Depths (fm)	3-10	10-17	10-17	40-65	35-50	35-90	

1 inches, cotton
2 inches, nylon

TABLE 10

LENGTH FREQUENCIES - COD - 3L - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings ¹ April	Landings May	Landings ¹ May	Landings ¹ May	Landings June	Landings ¹ June
CATCHES/LANDINGS	Canada (N)	United Kingdom	Canada (N)	Canada (N)	United Kingdom	Canada (N)
MONTH	151-500	901-1800	501-900	151-500	501-900	151-500
COUNTRY	151-500	901-1800	501-900	151-500	501-900	151-500
TONNAGE	151-500	901-1800	501-900	151-500	501-900	151-500
33	-	-	-	-	-	5
36	-	-	-	-	4	32
39	-	-	2	2	18	132
42	-	-	7	17	90	211
45	7	30	18	18	102	268
48	51	30	58	22	157	216
51	7	15	40	22	142	100
54	15	30	42	17	113	26
57	22	23	29	18	73	5
60	7	45	27	8	75	5
63	7	84	24	17	53	-
66	37	91	44	25	46	-
69	51	121	71	50	29	-
72	103	68	80	43	27	-
75	118	91	82	68	17	-
78	74	45	64	76	11	-
81	74	76	82	76	6	-
84	81	45	62	70	6	-
87	66	30	53	68	6	-
90	37	37	38	75	4	-
93	-	37	44	61	2	-
96	22	15	36	46	4	-
99	22	15	20	40	3	-
102	22	45	20	43	3	-
105	22	15	18	36	2	-
108	37	15	11	20	2	-
111	37	15	13	30	1	-
114	7	7	7	8	1	-
117	15	-	4	8	1	-
120	15	-	2	8	2	-
123	44	-	-	5	-	-
126	-	-	-	2	-	-
129	-	-	-	-	-	-
132	-	-	-	-	-	-
135	-	-	-	-	-	-
138	-	-	-	2	-	-
Total ‰	1000	995	998	1001	1000	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	1	1	2	3	6	1
Number of Fish Measured	136	132	450	603	1587	190
Mean Length (cm)	83.63	-	76.39	83.76	-	45.84
Mean Weight (kg)	6.33	-	4.77	6.40	-	0.89
Total Weight Landed (tons)	404.9	390.9	261.7	1614.6	758.3	1318.7
Estimated Number Landed	64033	126953	54927	252548	502058	1484829
Mesh(mm) or Hook(no.) Size	4 1/2 ²	-	L ³	4-4 1/2 ²	-	4 1/2 ²
Range of Depths (fm)	60	-	42-54	45-80	-	48-100

- 1 Landings after discards
2 inches
3 large

TABLE 10
(cont'd)

LENGTH FREQUENCIES - COD - 3L - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl							
	(Commercial)					(Research)		
CATCHES/LANDINGS	Landings					Catches		NK
MONTH	July	July	November	November	December	June	July	August
COUNTRY	United Kingdom					USSR		France (M)
TONNAGE	901-1800	501-900	901-1800	501-900	501-900	1800		850-1500
12	-	-	-	-	-	-	-	1
15	-	-	-	-	-	-	-	1
18	-	-	-	-	-	-	-	6
21	-	-	-	-	-	2	-	30
24	-	-	-	-	-	3	6	64
27	-	-	-	-	-	5	5	70
30	-	-	-	-	-	6	8	57
33	-	-	-	-	-	16	11	44
36	-	-	4	-	-	39	41	52
39	2	-	8	-	-	69	68	82
42	16	2	59	6	12	120	80	107
45	42	28	110	64	43	157	77	125
48	77	103	157	41	164	152	102	120
51	138	211	144	119	184	104	113	81
54	132	155	174	168	144	67	75	46
57	93	201	119	138	103	54	73	36
60	101	110	76	142	108	48	71	21
63	87	51	21	89	105	34	49	15
66	87	59	13	38	59	23	51	8
69	63	26	2	40	27	14	31	7
72	40	25	8	42	15	14	28	7
75	35	4	10	36	17	15	19	2
78	27	6	10	23	11	9	17	3
81	13	4	12	24	2	14	16	3
84	10	2	8	13	2	5	8	3
87	8	4	16	7	1	5	5	1
90	8	2	18	11	-	2	5	1
93	5	2	14	-	-	5	6	2
96	-	2	4	-	-	5	11	1
99	2	1	6	-	-	3	6	1
102	3	2	2	-	2	2	1	1
105	3	1	2	-	-	2	1	2
108	5	-	2	-	-	-	13	-
111	2	-	-	-	-	1	1	-
114	2	1	-	-	-	1	1	-
117	-	-	-	-	-	3	1	-
120	-	-	-	-	-	1	-	-
Total ‰	1001	1002	999	1001	999	1000	1000	1000
Serial Numbers	-	-	-	-	-	-	-	-
Number of Samples	1	1	1	1	1	-	-	12
Number of Fish Measured	622	274	266	299	245	1154	637	2459
Mean Length (cm)	-	-	-	-	-	52.21	56.47	-
Mean Weight (kg)	-	-	-	-	-	-	-	-
Total Weight Landed (tons)	203.5	113.4	181.9	158.8	129.1	197	33	-
Estimated Number Landed	102202	76902	105948	83093	87803	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	110	110	-
Range of Depths (fm)	-	-	-	-	-	60-120	65-105	118-167

TABLE 10
(cont'd)

LENGTH FREQUENCIES - COD - 3L - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Line Trawl			Long Line			Hand Line		
	(Commercial)								
CATCHES/LANDINGS	Landings Before Discards								
MONTH	September	June	July	September	November	December	June	July	September
COUNTRY	Canada (Newfoundland)								
TONNAGE	Small Boats								
27	-	-	-	-	-	2	-	-	-
30	-	-	1	-	-	2	-	-	-
33	2	-	1	3	13	19	4	4	16
36	7	11	8	5	38	47	10	15	47
39	26	32	19	11	97	164	21	55	109
42	60	50	18	20	165	155	37	68	127
45	78	70	43	33	117	129	64	79	126
48	110	87	55	54	121	112	100	89	138
51	127	104	72	93	120	124	119	130	123
54	128	101	85	107	87	73	141	135	105
57	117	97	98	121	51	66	118	109	77
60	87	77	72	113	42	37	100	87	41
63	68	91	69	116	28	14	78	67	35
66	49	80	80	81	23	16	64	44	18
69	41	71	61	68	18	9	39	39	17
72	35	37	45	61	19	7	34	26	7
75	20	24	44	34	18	-	27	16	3
78	13	19	45	26	11	5	13	14	4
81	11	17	37	16	11	-	8	11	3
84	8	6	23	13	5	2	8	4	1
87	4	6	23	4	1	-	4	2	-
90	5	5	15	4	4	2	5	1	1
93	2	4	18	1	2	5	2	3	-
96	1	-	24	2	2	2	1	1	-
99	-	5	19	2	-	-	1	1	-
102	1	2	3	2	1	-	1	-	-
105	-	1	7	4	-	2	1	1	-
108	-	1	3	2	2	-	1	-	-
111	-	1	5	1	1	-	-	-	-
114	-	-	2	1	1	-	1	-	-
117	-	-	2	1	-	2	-	-	-
120	-	1	-	1	-	2	-	-	-
123	-	-	1	1	-	-	-	-	-
126	-	-	1	1	-	-	-	-	-
129	-	-	1	-	-	-	-	-	-
Total ‰	1000	1000	1000	1002	998	998	1002	1001	998
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	10	4	8	11	3	2	7	8	11
Number of Fish Measured	2231	805	971	1803	826	427	1658	1413	2076
Mean Length (cm)	57.05	59.20	66.38	62.15	51.71	49.00	58.08	55.85	50.01
Mean Weight (kg)	1.88	1.99	3.03	2.45	1.51	1.29	1.93	1.73	1.27
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	# 15	M 6/0 ¹	M 6/0 ¹	M 6/0 ¹	M 6/0 ¹	M 6/0 ¹	2	2	2
Range of Depths (fm)	20-40	125-140	125-150	110-140	18-90	20-58	3-14	10-18	17-35

¹ Mustad 6/0² # 3020 and # 3021

TABLE 10 LENGTH FREQUENCIES - COD - 3L - 1966
(cont'd)

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Trap			Jigger	Gillnet	
	(Commercial)					
CATCHES/LANDINGS	Landings Before Discards					
MONTH	June	July	August	July	June	July
COUNTRY	Canada (Newfoundland)					
TONNAGE	Small Boats					
27	-	1	-	-	-	-
30	2	10	-	2	-	-
33	19	34	5	17	-	-
36	68	84	23	62	-	-
39	128	136	80	119	-	1
42	156	161	143	175	-	-
45	179	175	164	179	1	1
48	143	137	196	158	2	-
51	122	95	154	104	-	2
54	66	63	86	71	1	-
57	46	40	68	40	1	4
60	31	25	44	33	5	9
63	17	16	22	17	11	14
66	11	11	9	10	36	32
69	5	5	3	6	54	58
72	3	4	2	-	68	78
75	1	2	2	2	80	84
78	1	1	1	4	86	103
81	-	1	-	-	97	116
84	-	-	-	-	106	102
87	-	-	-	-	90	87
90	1	-	-	-	62	54
93	-	-	-	-	74	51
96	-	-	-	-	45	53
99	-	-	-	-	41	51
102	-	-	-	-	45	30
105	-	-	-	-	35	24
108	-	-	-	-	26	17
111	-	-	-	-	19	9
114	-	-	-	-	5	6
117	-	-	-	-	6	4
120	-	-	-	-	4	7
123	-	-	-	-	-	4
126	-	-	-	-	1	-
Total ‰	999	1001	1002	999	1001	1001
Serial Numbers	-	-	-	-	-	-
Number of Samples	21	21	4	2	7	4
Number of Fish Measured	6246	7482	1583	480	852	846
Mean Length (cm)	47.51	46.65	49.38	47.53	86.36	84.99
Mean Weight (kg)	1.12	1.08	1.15	1.06	6.11	5.69
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	3 1/2-10 ¹	3 1/2-10 ¹	3 1/2-10 ¹	-	6 1/2-8 ²	6 1/2-8 ²
Range of Depths (fm)	8-17	9-18	7-11	10-17	15-35	14-24

1 inches, cotton
2 inches

TABLE 11

LENGTH FREQUENCIES - COD - 3M - 1966

(FREQUENCIES IN %/OO - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)				
	Landings				
CATCHES/LANDINGS	May ¹	July	August ²	August ²	August ²
MONTH					
COUNTRY	United Kingdom				
TONNAGE	901-1800				
39	7	2	-	5	2
42	26	16	7	43	21
45	74	42	47	83	61
48	102	77	131	107	122
51	82	138	159	120	144
54	77	132	153	152	153
57	86	93	137	147	141
60	88	101	110	117	113
63	86	87	72	96	82
66	74	87	55	62	58
69	53	63	40	41	40
72	53	40	24	20	22
75	40	35	21	4	14
78	32	27	13	1	9
81	15	13	8	1	5
84	25	10	6	1	4
87	16	8	3	0	2
90	13	8	2	0	2
93	13	5	2	0	1
96	13	-	1	-	1
99	7	2	3	-	2
102	5	3	1	-	1
105	7	3	0	-	0
108	1	5	1	0	1
111	4	2	0	-	0
114	4	2	0	0	0
117	-	-	0	-	0
120	-	-	1	-	1
Total %/oo	1003	1001	997	1000	1002
Serial Numbers	-	-	-	-	-
Number of Samples	1	1	1	1	2
Number of Fish Measured	758	622	14017	549	14566
Mean Length (cm)	-	-	-	-	-
Mean Weight (kg)	-	-	-	-	-
Total Weight Landed (tons)	220.9	203.5	437.6	317.2	754.9
Estimated Number Landed	103802	102227	351687	229134	580821
Mesh(mm) or Hook(no.) Size	-	-	-	-	-
Range of Depths (fm)	-	-	-	-	-

¹ Vessel sampled at a later date.

² Scientific staff measured 14,017 fish from catches aboard commercial freezer trawler. Also, 549 fish were measured from market landings of another vessel.

TABLE 11
(cont'd)

LENGTH FREQUENCIES - COD - 3M - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl				
	(Commercial)			(Research)	
CATCHES/LANDINGS	Landings			Catches	NK
MONTH	September	October	November	August	August
COUNTRY	United Kingdom			USSR	France (M)
TONNAGE	901-1800	501-900	901-1800	1800	850-1500
12	-	-	-	-	39
15	-	-	-	-	78
18	-	-	-	-	182
21	-	-	-	-	91
24	-	-	-	-	52
27	-	-	-	-	13
30	-	-	-	-	0
33	-	-	-	-	52
36	-	2	4	9	78
39	-	12	8	12	52
42	5	38	59	21	26
45	21	60	110	36	39
48	100	172	157	91	39
51	165	203	144	147	13
54	188	159	174	190	13
57	147	134	119	124	52
60	88	58	76	171	26
63	79	54	21	91	13
66	55	33	13	39	13
69	27	17	2	21	39
72	28	27	8	27	26
75	26	14	10	3	13
78	26	4	10	3	13
81	14	2	12	6	26
84	12	9	8	9	0
87	6	2	16	-	0
90	6	1	18	-	13
93	1	1	14	-	-
96	2	1	4	-	-
99	2	-	6	-	-
102	0	-	2	-	-
105	0	-	2	-	-
108	0	-	2	-	-
111	1	-	-	-	-
Total ‰	999	1003	999	1000	1001
Serial Numbers	-	-	-	-	-
Number of Samples	2	2	1	-	2
Number of Fish Measured	1264	495	266	332	79
Mean Length (cm)	-	-	-	57.16	-
Mean Weight (kg)	-	-	-	-	-
Total Weight Landed (tons)	665.7	238.7	205.2	119	-
Estimated Number Landed	389685	169110	119500	-	-
Mesh(mm) or Hook(no.) Size	-	-	-	110	-
Range of Depths (fm)	-	-	-	145-245	82-137

TABLE 12

LENGTH FREQUENCIES - COD - 3N - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl		
	(Commercial)		
CATCHES/LANDINGS	Landings After Discards		
MONTH	March	April	November
COUNTRY	Canada (Newfoundland)		
TONNAGE	501-900		151-500
30	-	-	2
33	-	-	7
36	-	-	13
39	-	16	71
42	24	32	144
45	24	16	226
48	81	210	186
51	81	242	108
54	48	129	73
57	48	97	66
60	65	65	38
63	48	65	13
66	48	65	15
69	48	32	9
72	56	16	18
75	113	-	-
78	81	-	7
81	24	-	-
84	24	16	-
87	40	-	4
90	24	-	-
93	8	-	-
96	8	-	-
99	8	-	-
102	16	-	-
105	16	-	-
108	8	-	-
111	32	-	-
114	8	-	-
117	16	-	-
Total ‰	997	1001	1000
Serial Numbers	-	-	-
Number of Samples	1	1	2
Number of Fish Measured	125	62	452
Mean Length (cm)	71.30	55.54	49.79
Mean Weight (kg)	4.16	1.63	1.28
Total Weight Landed (tons)	219.2	323.3	218.5
Estimated Number Landed	52704	198135	171421
Mesh(mm) or Hook(no.) Size	L ¹	L ¹	L ¹
Range of Depths (fm)	60-100	30-60	40-160

1 large

TABLE 13

LENGTH FREQUENCIES - COD - 30 - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)	
	Landings After Discards	
CATCHES/LANDINGS		
MONTH	February	April
COUNTRY	Canada (Newfoundland)	
TONNAGE	501-900	151-500
36	-	5
39	6	5
42	57	26
45	143	89
48	166	125
51	162	135
54	127	120
57	115	62
60	64	62
63	76	31
66	38	57
69	19	57
72	3	78
75	16	36
78	3	10
81	3	31
84	-	42
87	-	10
90	-	10
93	-	-
96	-	-
99	-	-
102	-	-
105	-	-
108	-	-
111	-	5
Total ‰	998	996
Serial Numbers	-	-
Number of Samples	1	1
Number of Fish Measured	314	192
Mean Length (cm)	54.15	60.44
Mean Weight (kg)	1.65	2.11
Total Weight Landed (tons)	12.6	217.9
Estimated Number Landed	7646	103308
Mesh(mm) or Hook(no.) Size	4 1/2 ¹	L ²
Range of Depths (fm)	60	38-100

1 inches
2 Large

TABLE 14

LENGTH FREQUENCIES - COD - 3Pn - 1966

(FREQUENCIES IN %/oo - 3 CM GROUPS)

SEAR	Otter Trawl	Line Trawl
	(Commercial)	
CATCHES/LANDINGS	Landings After Discards	Landings Before Discards
MONTH	March	
COUNTRY	Canada (Newfoundland)	
TONNAGE	151-500	Small Boats
30	-	1
33	-	4
36	13	12
39	13	22
42	88	29
45	156	47
48	219	74
51	138	104
54	106	140
57	75	134
60	69	120
63	44	103
66	25	69
69	13	51
72	19	32
75	13	22
78	-	14
81	6	7
84	-	5
87	6	4
90	-	2
93	-	2
96	-	1
99	-	1
Total %/oo	1003	1000
Serial Numbers	-	-
Number of Samples	1	31
Number of Fish Measured	160	4947
Mean Length (cm)	52.90	58.54
Mean Weight (kg)	1.57	1.99
Total Weight Landed (tons)	547.6	-
Estimated Number Landed	348678	-
Mesh(mm) or Hook(no.) Size	L ¹	P 6/0 ²
Range of Depths (fm)	160	35-110

1 Large

2 Pflueger 6/0

TABLE 15 LENGTH FREQUENCIES - COD - 3Ps - 1966

(FREQUENCIES IN % - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings After Discards					Landings
CATCHES/LANDINGS						December
MONTH	February	February	March	March	April	December
COUNTRY	Canada (Newfoundland)					United Kingdom
TONNAGE	501-900	151-500	501-900	151-500		901-1800
30	-	4	-	-	-	-
33	-	14	-	-	-	-
36	-	46	-	-	-	-
39	2	129	13	25	3	2
42	15	206	79	95	42	11
45	60	182	244	174	159	64
48	127	127	275	203	207	124
51	187	116	176	199	146	116
54	152	64	81	133	107	104
57	141	64	51	66	58	83
60	100	27	28	48	81	88
63	71	6	18	19	55	77
66	37	7	15	19	45	96
69	21	6	8	10	32	65
72	17	1	-	2	23	47
75	25	-	3	2	10	44
78	8	-	3	-	13	20
81	8	-	5	-	3	13
84	2	-	-	2	-	13
87	15	-	-	2	13	10
90	4	1	-	-	-	10
93	2	-	-	-	3	7
96	2	-	-	-	-	-
99	2	-	-	-	-	-
102	2	-	3	-	-	2
105	-	-	-	-	-	2
108	-	-	-	-	-	3
111	-	-	-	-	-	-
114	-	-	-	-	-	-
117	-	-	-	-	-	2
Total %/oo	1000	1000	1002	999	1000	1003
Serial Numbers	-	-	-	-	-	-
Number of Samples	2	2	1	2	1	1
Number of Fish Measured	519	725	393	482	309	644
Mean Length (cm)	57.63	47.26	50.69	51.33	55.08	-
Mean Weight (kg)	1.97	0.97	1.30	1.29	1.59	-
Total Weight Landed (tons)	265.3	1718.6	18.0	994.3	488.0	129.0
Estimated Number Landed	134566	1801255	13861	772338	307838	65558
Mesh(mm) or Hook(no.) Size	4 1/2 ¹	4 1/2 ²	L ³	L ³	-	-
Range of Depths (fm)	80-130	90-120	95-110	120-170	-	-

- 1 inches
2 inches, nylon
3 large

TABLE 15
(cont'd)

LENGTH FREQUENCIES - COD - 3Ps - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Line Trawl				Trap		Gillnet		
	(Commercial)								
CATCHES/LANDINGS	Landings Before Discards								
MONTH	June	July	September	November	June	July	May	June	July
COUNTRY	Canada (Newfoundland)								
TONNAGE	Small Boats								
27	-	-	-	-	3	3	-	-	-
30	-	-	1	-	43	26	-	-	-
33	4	6	4	4	144	80	1	-	-
36	14	21	15	21	220	142	1	-	-
39	40	59	40	51	209	164	7	1	2
42	74	76	59	68	161	166	6	2	1
45	108	94	85	118	102	140	5	2	3
48	98	112	114	139	53	99	9	3	9
51	106	98	128	137	29	71	12	6	1
54	103	117	135	99	18	42	20	10	20
57	102	95	100	96	8	32	33	48	45
60	85	75	96	82	6	15	60	77	92
63	74	75	78	73	2	11	112	124	131
66	50	53	45	36	2	3	140	174	148
69	25	34	29	26	-	3	136	119	143
72	25	20	20	13	-	2	108	115	108
75	18	15	11	8	-	1	84	82	96
78	22	12	10	3	-	-	78	65	51
81	10	7	6	5	-	-	50	36	45
84	7	7	5	4	-	-	39	34	35
87	7	5	5	2	-	-	30	25	28
90	7	6	4	3	-	-	16	22	7
93	4	1	2	2	-	-	15	18	17
96	3	2	2	2	-	-	13	12	5
99	1	1	2	3	-	-	9	6	3
102	5	-	1	2	-	-	7	6	3
105	-	1	3	-	-	-	1	6	1
108	3	1	1	1	-	-	4	5	1
111	1	1	1	-	-	-	1	1	2
114	1	-	1	-	-	-	1	1	1
117	1	-	1	-	-	-	1	-	-
120	1	1	-	1	-	-	-	1	-
123	-	-	-	-	-	-	-	1	-
126	-	-	-	-	-	-	-	-	-
129	-	-	-	-	-	-	-	-	-
132	-	-	-	1	-	-	-	-	-
Total ‰	999	995	1004	1000	1000	1000	999	1002	998
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	10	6	8	5	9	-	16	11	7
Number of Fish Measured	1343	812	1918	992	2628	4403	2142	1239	863
Mean Length (cm)	57.05	55.59	56.17	54.40	40.61	43.96	71.84	72.02	70.87
Mean Weight (kg)	2.08	1.92	1.86	1.61	0.71	0.88	3.51	3.70	3.40
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	15,16,6-0	15,16,6-0	15,16,6-0	15,16,6-0	4 ¹	4 ¹	6-7 ²	6-7 ²	6-7 ²
Range of Depths (fm)	5-60	5-50	12-50	20-55	12-14.5	12-14	25-70	20-60	25-70

1 inches, cotton
2 inches

TABLE 16

LENGTH FREQUENCIES - COD - 4R - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

YEAR	Otter Trawl			
	(Commercial)			
	Landings After Discards		Landings	
	February	March	July	December
COUNTRY	Canada (Newfoundland)		Canada (Maritimes)	United Kingdom
TONNAGE	151-500		901-1800	
30	-	1	-	-
33	-	1	-	-
36	2	7	-	-
39	19	22	13	4
42	39	51	50	34
45	89	79	117	38
48	200	148	144	42
51	236	165	130	110
54	157	159	171	141
57	111	126	114	160
60	70	88	77	125
63	46	57	60	106
66	14	37	37	80
69	14	22	27	65
72	2	12	10	42
75	-	7	6	15
78	-	8	13	11
81	-	3	13	19
84	-	1	-	4
87	-	3	6	-
90	-	1	3	4
93	-	-	3	-
96	-	-	3	-
99	-	-	3	-
102	-	1	-	-
105	-	-	-	-
108	-	-	-	-
111	-	1	-	-
Total ‰	999	1000	1000	1000
Serial Numbers	-	-	30	-
Number of Samples	2	5	1	1
Number of Fish Measured	415	1017	307	263
Mean Length (cm)	53.08	54.89	55.7	-
Mean Weight (kg)	1.45	1.72	1.58	-
Total Weight Landed (tons)	2339.6	1891.7	-	318.0
Estimated Number Landed	1613093	1099387	-	188156
Mesh(mm) or Hook(no.) Size	4 1/2 ¹	1 ²	4 ¹	-
Range of Depths (fm)	160-170	130-150	135-140	-

1 inches
2 Large

TABLE 16
(cont'd)

LENGTH FREQUENCIES - COD - 4R - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Line Trawl		Trap		Gillnet	
	(Commercial)					
CATCHES/LANDINGS	Landings Before Discards					
MONTH	June	September	June	July	June	September
COUNTRY	Canada (Newfoundland)					
TONNAGE	Small Boats					
24	-	-	-	2	-	-
27	-	-	-	7	-	-
30	-	-	-	96	-	-
33	-	-	2	126	-	-
36	-	1	10	164	-	-
39	-	6	18	209	1	2
42	-	9	48	161	1	4
45	1	14	82	101	1	8
48	1	30	139	45	2	8
51	3	30	176	30	6	8
54	8	68	154	28	12	8
57	14	78	116	10	23	12
60	19	60	87	12	46	17
63	36	75	59	5	70	26
66	51	79	40	3	104	31
69	64	76	28	-	107	40
72	82	58	17	-	108	51
75	78	62	11	2	92	88
78	94	43	6	-	76	87
81	100	46	2	-	75	82
84	91	45	3	-	71	85
87	81	40	1	-	61	79
90	68	36	1	-	40	85
93	57	32	1	-	29	77
96	51	30	-	-	26	64
99	24	19	-	-	16	51
102	21	15	-	-	7	24
105	19	21	1	-	9	20
108	11	8	-	-	5	17
111	9	5	-	-	4	9
114	6	2	-	-	1	4
117	4	5	-	-	-	5
120	3	1	-	-	-	3
123	2	1	-	-	-	3
126	1	2	-	-	-	1
129	1	-	-	-	1	-
132	1	1	-	-	-	-
135	-	1	-	-	-	-
Total ‰	1001	999	1002	1001	994	999
Serial Numbers	-	-	-	-	-	-
Number of Samples	9	6	5	4	21	34
Number of Fish Measured	1403	844	1837	603	2068	3152
Mean Length (cm)	82.62	73.09	55.12	40.75	76.57	84.06
Mean Weight (kg)	5.43	4.28	1.57	-	4.28	5.85
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	P 6/0 ¹	P 6/0 ¹	-	-	-	-
Range of Depths (fm)	50-60	25-90	7-9	8-10	35-60	40-100

1 Pfleuger 6/0

TABLE 17

LENGTH FREQUENCIES - COD - 4S - 1966

(FREQUENCIES IN %/OO - 3 CM GROUPS)

GEAR	Otter Trawl		Line Trawl	
	(Commercial)	NK	(Commercial)	
CATCHES/LANDINGS	Landings	NK	Landings Before Discards	
MONTH	September	November	November	June
COUNTRY	Canada (Maritimes)	Canada (Quebec)		Canada (Newfoundland)
TONNAGE	51-150	NK		Small Boats
36	-	-	-	3
39	4	65	-	-
42	16	32	26	-
45	16	65	106	2
48	15	86	164	9
51	28	161	113	9
54	79	204	139	9
57	182	129	142	17
60	147	129	124	36
63	177	11	47	31
66	82	32	47	39
69	74	-	29	65
72	40	32	11	68
75	45	11	11	92
78	32	11	-	87
81	22	11	-	109
84	20	-	11	96
87	-	-	-	67
90	3	11	4	72
93	3	-	-	51
96	4	11	15	32
99	3	-	4	29
102	7	-	-	32
105	-	-	-	12
108	-	-	-	10
111	-	-	4	3
114	-	-	-	5
117	-	-	-	3
120	-	-	-	2
123	-	-	-	-
126	-	-	4	3
129	-	-	-	3
132	-	-	-	-
135	-	-	-	2
Total %/oo	999	1001	1001	998
Serial Numbers	29	-	-	-
Number of Samples	1	1	1	5
Number of Fish Measured	270	93	274	585
Mean Length (cm)	64.0	55.87	57.05	82.52
Mean Weight (kg)	2.38	-	-	5.35
Total Weight Landed (tons)	-	-	20.41	-
Estimated Number Landed	-	-	-	-
Mesh(mm) or Hook(no.) Size	2 1/2 ¹	4 1/2 ¹	4 1/2 ¹	P 6/0 ²
Range of Depths (fm)	130-150	125-160	125-160	12-50

¹ inches² Pflueger 6/0

TABLE 18

LENGTH FREQUENCIES - COD - 4T - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl					
	(Commercial)					
CATCHES/LANDINGS	Landings					
MONTH	May	June	July	August	September	October
COUNTRY	Canada (Maritimes)					
TONNAGE	26-50 and 51-150					
30	4	-	-	-	1	-
33	23	-	1	7	20	6
36	50	2	4	56	92	53
39	121	10	13	84	110	104
42	168	51	35	120	126	126
45	175	88	91	205	205	100
48	185	130	131	156	203	158
51	140	126	189	100	79	113
54	65	155	171	68	48	117
57	26	114	105	61	35	71
60	16	121	58	35	28	52
63	8	71	51	7	20	37
66	8	41	28	8	10	19
69	2	23	25	8	5	10
72	1	14	14	6	3	8
75	1	15	8	1	2	4
78	1	14	5	6	1	4
81	1	7	9	4	2	3
84	1	7	14	3	2	2
87	1	3	12	7	2	2
90	2	2	9	11	1	5
93	-	2	10	10	-	3
96	1	-	9	10	1	1
99	-	3	5	6	1	1
102	-	-	1	5	-	1
105	-	-	1	3	-	1
108	-	-	1	5	-	-
111	-	-	-	2	1	-
114	-	-	-	1	1	-
117	-	-	1	-	1	-
120	1	-	-	5	-	-
Total ‰	1001	999	1001	1000	1000	1001
Serial Numbers	1-3	4-6	7-11	12-16	17-22	23-28
Number of Samples	3	3	5	5	6	6
Number of Fish Measured	965	997	1515	1107	1136	1747
Mean Length (cm)	47.3	56.5	57.0	52.1	47.7	50.9
Mean Weight (kg)	1.03	1.74	1.88	1.74	1.04	1.31
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 3/8-4 1/2 ¹	4 1/2 ¹	2 1/2-4 5/8 ¹	4 1/2 ¹	4 3/8-4 5/8 ¹	4 1/2 ¹
Range of Depths (fm)	45-115	36-170	40-150	14-45	13-70	16-45

¹ inches

TABLE 18
(cont'd)

LENGTH FREQUENCIES - COD - 4T - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl		Gillnet		
	NK				
CATCHES/LANDINGS	NK				
MONTH	June	September	June	July	July
COUNTRY	Canada (Quebec)				
TONNAGE	NK				
39	10	6	-	-	-
42	14	6	13	-	-
45	87	68	-	-	2
48	172	214	26	3	-
51	184	187	115	6	5
54	164	199	154	-	8
57	129	134	205	-	3
60	93	77	256	11	2
63	51	27	77	-	5
66	32	24	38	6	3
69	22	15	13	6	8
72	4	9	13	11	18
75	12	12	13	14	21
78	10	9	13	47	40
81	4	-	-	50	66
84	4	-	38	116	83
87	2	3	13	133	64
90	2	-	-	110	154
93	2	3	-	91	98
96	-	-	-	83	58
99	2	6	-	52	85
102	-	-	-	64	55
105	-	-	-	39	53
108	-	-	-	50	42
111	-	-	13	33	18
114	-	-	-	30	34
117	-	3	-	22	22
120	-	-	-	3	16
123	-	-	-	6	13
126	-	-	-	6	6
129	-	-	-	6	10
132	-	-	-	3	3
135	-	-	-	3	3
138	-	-	-	-	2
141	-	-	-	-	-
144	-	-	-	-	2
Total ‰	1000	1002	1000	1004	1002
Serial Numbers	-	-	-	-	-
Number of Samples	1	1	1	1	1
Number of Fish Measured	505	337	78	362	623
Mean Length (cm)	55.53	55.24	60.90	93.96	94.53
Mean Weight (kg)	-	-	-	-	-
Total Weight Landed (tons)	18.14	-	.14	3.44	3.95
Estimated Number Landed	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 1/2 ¹	4 1/2 ¹	6 & 8 ¹	8 ¹	8 ¹
Range of Depths (fm)	60	40	30-40	20	21

¹ inches

TABLE 19 LENGTH FREQUENCIES - COD - 4T and 4Vn - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl
	(Commercial)
CATCHES/LANDINGS	Landings
MONTH	September
COUNTRY	Canada (Maritimes)
TONNAGE	151-500
36	27
39	106
42	167
45	133
48	197
51	127
54	97
57	52
60	49
63	23
66	12
69	2
72	5
75	3
Total ‰	1000
Serial Numbers	48
Number of Samples	1
Number of Fish Measured	356
Mean Length (cm)	49.1
Mean Weight (kg)	1.09
Total Weight Landed (tons)	-
Estimated Number Landed	-
Mesh(mm) or Hook(no.) Size	< 3 ¹
Range of Depths (fm)	85-148

1 inches

TABLE 20

LENGTH FREQUENCIES - COD - 4Vn - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl				Long Line			
	(Commercial)							
CATCHES/LANDINGS	Landings ¹	Landings						
MONTH	February	April	May	June	July	June	August	November
COUNTRY	Canada (N)	Canada (Maritimes)						
TONNAGE	501-900	151-500			under 25			
33	-	3	-	-	-	7	7	-
36	-	13	49	7	3	7	3	-
39	-	80	110	14	13	10	3	-
42	43	139	123	63	26	17	52	7
45	135	196	149	95	46	36	95	57
48	240	203	157	151	95	77	98	97
51	243	162	136	225	147	100	127	83
54	139	90	89	115	147	97	98	113
57	81	48	59	117	147	83	134	83
60	58	25	37	58	69	107	108	90
63	29	18	29	37	65	93	52	73
66	13	5	10	38	59	93	56	87
69	9	3	5	31	20	83	49	60
72	2	4	10	16	42	37	26	53
75	2	4	6	9	42	37	16	57
78	2	1	12	15	23	37	26	20
81	-	-	3	3	26	43	10	27
84	2	3	6	1	13	13	7	10
87	-	-	-	3	3	13	7	13
90	-	2	-	-	3	-	3	17
93	-	1	3	1	3	7	7	7
96	-	-	-	1	-	3	-	17
99	-	-	2	-	-	-	7	13
102	-	-	2	-	3	-	3	3
105	-	-	-	-	-	-	3	-
108	-	-	-	-	3	-	-	3
111	-	-	2	-	-	-	3	3
114	-	-	1	-	-	-	-	-
117	-	-	-	-	-	-	-	3
120	-	-	-	-	-	-	-	3
Total ‰	998	1000	1000	1000	998	1000	1000	999
Serial Numbers	-	31-33	34	35	36-38	39	40	47
Number of Samples	2	3	1	1	3	1	1	1
Number of Fish Measured	445	1209	437	356	306	300	306	300
Mean Length (cm)	52.42	49.3	50.5	54.6	59.4	62.1	58.5	64.1
Mean Weight (kg)	1.44	1.37	1.31	1.47	2.25	2.62	2.21	2.90
Total Weight Landed (tons)	275.4	-	-	-	-	-	-	-
Estimated Number Landed	191617 ₂	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 1/2 ²	4 1/2 ²	4 3/8 ²	4 1/2 ²	4 3/8-4 7/8 ²	# 16	# 16	# 16
Range of Depths (fm)	80-140	80-140	140	85-100	75-165	15-30	20-30	40-50

¹ Landings after discards² inches

TABLE 21 LENGTH FREQUENCIES - COD - 4Vs - 1966

(FREQUENCIES IN %/00 - 3 CM GROUPS)

GEAR	Otter Trawl
CATCHES/LANDINGS	(Commercial)
MONTH	Landings
COUNTRY	April
TONNAGE	Canada (Maritimes)
	151-500
36	3
39	27
42	183
45	196
48	184
51	134
54	69
57	55
60	36
63	34
66	30
69	17
72	12
75	4
78	5
81	3
84	2
87	1
90	1
93	1
96	1
99	1
102	-
105	1
Total %/00	1000
Serial Numbers	41-42
Number of Samples	2
Number of Fish Measured	590
Mean Length (cm)	51.2
Mean Weight (kg)	1.26
Total Weight Landed (tons)	-
Estimated Number Landed	-
Mesh(mm) or Hook(no.) Size	4 1/2 ¹
Range of Depths (fm)	38-155

¹ inches

TABLE 22

LENGTH FREQUENCIES - COD - 4W - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl					Long Line
	(Commercial)					
CATCHES/LANDINGS	Landings					
MONTH	May	June	September	November	December	April
COUNTRY	Canada (Maritime)					
TONNAGE	151-500					26-50
39	4	19	5	6	8	-
42	7	101	45	65	62	-
45	20	140	94	139	113	-
48	37	186	172	181	145	5
51	131	156	141	183	153	18
54	208	126	157	153	108	18
57	175	104	158	99	146	27
60	109	58	97	73	77	41
63	71	30	36	46	58	60
66	75	16	30	28	40	110
69	47	25	17	7	22	90
72	42	11	12	7	18	88
75	19	3	2	7	18	77
78	19	8	11	4	4	84
81	19	8	5	-	4	52
84	1	5	7	-	7	61
87	1	-	3	-	3	43
90	2	3	4	-	4	50
93	6	-	-	1	-	25
96	2	-	2	-	3	29
99	1	-	-	-	-	29
102	1	-	1	-	3	25
105	1	-	-	-	3	25
108	1	-	1	-	-	14
111	-	-	1	-	-	4
114	-	-	-	-	-	7
117	-	-	-	-	-	14
120	-	-	-	-	-	4
Total ‰	999	999	1001	999	999	1000
Serial Numbers	43	44	45	49	50	46
Number of Samples	1	1	1	1	1	1
Number of Fish Measured	444	365	344	321	347	248
Mean Length (cm)	60.3	53.0	55.4	53.2	55.8	78.6
Mean Weight (kg)	2.23	1.49	1.61	1.42	1.90	5.24
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 1/2 ¹	4 5/8 ¹	4 3/8 ¹	4 3/8 ¹	5 ¹	# 6/0
Range of Depths (fm)	50-60	40-70	20-45	40-45	25-45	60-64

¹ inches

TABLE 23

LENGTH FREQUENCIES - COD - 4X - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl					Long Line	
	(Commercial)						
CATCHES/LANDINGS	Landings						
MONTH	April	June	July	September	October	March	April
COUNTRY	Canada (Maritimes)						
TONNAGE	151-500					26-50	
33	-	1	-	2	-	-	-
36	-	2	-	13	3	-	-
39	1	29	13	31	40	3	-
42	4	59	74	46	134	36	-
45	18	114	106	62	154	72	-
48	70	129	102	67	81	116	28
51	132	139	124	53	69	69	63
54	70	124	126	82	92	75	42
57	39	96	70	106	95	64	77
60	68	77	89	119	29	110	133
63	98	42	61	131	145	99	105
66	68	46	47	81	40	98	147
69	88	35	52	31	13	76	130
72	63	18	48	65	-	18	75
75	63	47	30	41	13	32	58
78	34	20	20	46	36	39	46
81	33	8	19	13	19	18	26
84	28	7	9	3	9	9	28
87	28	3	3	3	19	21	5
90	24	2	2	1	-	6	8
93	9	-	2	1	9	9	8
96	19	2	2	1	-	15	5
99	14	-	-	-	-	3	5
102	14	-	2	1	-	3	5
105	5	-	-	1	-	-	3
108	5	-	-	-	-	-	-
111	5	-	-	-	-	3	-
114	-	-	-	-	-	6	-
117	-	-	-	-	-	-	-
120	-	-	-	-	-	-	3
Total ‰	1000	1000	1001	1000	1000	1000	1000
Serial Numbers	51	52-53	54	55	56	57	58
Number of Samples	1	2	1	1	1	1	1
Number of Fish Measured	173	687	304	294	125	257	195
Mean Length (cm)	67.6	56.3	57.8	60.1	56.0	62.4	67.3
Mean Weight (kg)	3.59	2.14	2.11	2.46	2.06	3.01	3.47
Total Weight Landed (tons)	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 1/2 ¹	4 1/2 ¹	4 1/2 ¹	4 1/2 ¹	3 ¹	# 6/0	# 6/0
Range of Depths (fm)	80-100	36-50	40	35-45	80-88	45-52	40-50

1 inches

TABLE 24 LENGTH FREQUENCIES - COD - 52 - 1966

(FREQUENCIES IN % - 3 CM GROUPS)

GEAR	Otter Trawl							
	(Commercial)							
	Landings							
CATCHES/LANDINGS	January	February	February	March	March	April	April	May
MONTH	USA	Canada (M)	USA	Canada (M)	USA	Canada (M)	USA	
COUNTRY	USA	Canada (M)	USA	Canada (M)	USA	Canada (M)	USA	
TONNAGE	0-483	151-500	0-483	151-500	0-483	151-500	0-483	
39	49	-	-	-	-	4	-	5
42	97	-	-	-	-	12	18	53
45	63	-	-	23	-	27	26	88
48	74	-	-	32	-	65	18	112
51	52	-	-	23	-	117	18	45
54	159	3	25	32	-	78	-	38
57	49	3	12	50	17	41	26	43
60	63	-	12	50	-	20	35	79
63	88	2	25	45	17	16	-	157
66	12	11	12	27	43	2	9	116
69	26	20	49	32	34	14	53	55
72	85	50	37	32	37	30	35	44
75	74	48	100	22	15	28	80	28
78	12	70	74	27	66	16	71	13
81	24	128	49	49	53	42	159	35
84	49	107	74	80	109	42	98	32
87	12	172	62	60	107	56	88	16
90	-	98	87	66	131	42	106	20
93	12	92	74	33	79	48	62	9
96	-	68	37	66	99	42	9	7
99	-	31	136	33	79	50	44	5
102	-	31	37	80	58	50	18	-
105	-	31	25	40	21	42	9	-
108	-	6	49	33	17	39	-	-
111	-	-	12	20	9	14	18	-
114	-	12	12	7	9	14	-	-
117	-	-	-	13	-	22	-	-
120	-	6	-	7	-	17	-	-
123	-	6	-	13	-	8	-	-
126	-	6	-	6	-	-	-	-
129	-	-	-	-	-	3	-	-
Total %	1000	1001	1000	1001	1000	1001	1000	1000
Serial Numbers	-	59	-	60	-	61-62	-	-
Number of Samples	1	1	1	1	2	2	1	3
Number of Fish Measured	82	273	81	177	168	669	110	359
Mean Length (cm)	60.13	88.1	87.15	83.3	88.15	79.1	80.67	62.64
Mean Weight (kg)	2.80	7.61	7.26	7.00	7.37	6.18	5.96	2.98
Total Weight Landed (tons)	503	-	890	-	1045	-	1222	1182
Estimated Number Landed	179600	-	122600	-	141900	-	205100	396000
Mesh(mm) or Hook(no.) Size	4.5 ¹	4.5 ¹	4.5 ¹	4.5 ¹	4.5 ¹	4.5 ¹	4.5 ¹	4.5 ¹
Range of Depths (fm)	30-33	100-150	65-72	44-52	28-33	-	17-22	18-42

¹ inches

TABLE 24
(cont'd)

LENGTH FREQUENCIES - COD - 5Z - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)							
	CATCHES/LANDINGS							
	Landings							
MONTH	June	July	August	September	October	October	November	December
COUNTRY	United States				Canada(M)	United States		
TONNAGE	0-483				151-500	0-483		
33	-	-	-	4	-	-	-	-
36	-	-	-	-	-	-	-	-
39	18	17	-	11	15	2	-	-
42	79	70	36	58	51	12	15	-
45	166	162	129	86	102	30	15	25
48	153	142	156	213	94	101	66	90
51	89	96	127	147	121	150	131	81
54	66	102	92	95	91	122	74	123
57	55	76	76	50	142	95	88	100
60	94	58	63	66	98	66	73	100
63	75	65	74	57	67	72	37	28
66	44	46	61	69	50	80	15	58
69	35	29	21	71	25	90	81	116
72	46	33	41	25	21	72	44	42
75	11	29	19	18	22	44	52	42
78	3	15	24	11	28	20	66	35
81	23	24	46	4	14	10	66	49
84	8	10	28	8	16	7	59	60
87	12	2	7	7	3	2	52	9
90	3	19	-	-	7	10	66	-
93	6	2	-	-	10	10	-	42
96	6	4	-	-	6	5	-	-
99	9	-	-	-	4	-	-	-
102	-	-	-	-	3	-	-	-
105	-	-	-	-	3	-	-	-
108	-	-	-	-	2	-	-	-
111	-	-	-	-	-	-	-	-
114	-	-	-	-	1	-	-	-
117	-	-	-	-	1	-	-	-
120	-	-	-	-	1	-	-	-
					1	-	-	-
Total ‰	1001	1001	1000	1000	999	1000	1000	1000
Serial Numbers	-	-	-	-	63	-	-	-
Number of Samples	2	3	2	2	1	2	1	1
Number of Fish Measured	225	399	248	269	374	288	136	121
Mean Length (cm)	56.94	56.79	58.49	56.20	59.0	61.34	67.42	65.08
Mean Weight (kg)	2.31	2.29	2.44	2.13	2.42	2.75	3.66	3.20
Total Weight Landed (tons)	1388	1057	922	917	-	1175	703	642
Estimated Number Landed	601500	462500	377400	430200	-	427300	192100	200500
Mesh(mm) or Hook(no.) Size	4 1/2 ¹	4 1/2 ¹	4 1/2 ¹	4 1/2 ¹	4 3/8 ¹	4 1/2 ¹	4 1/2 ¹	4 1/2 ¹
Range of Depths (fm)	22-30	20-29	22-32	22-30	35-55	17-29	14-18	10-13

¹ inches

TABLE 25

AGE/LENGTH KEY - COD - 1B - 1966 (2nd QUARTER)

GEAR		Bottom Long Line (Research)																			
CATCHES OR LANDINGS		NK																			
COUNTRY		Norway																			
TONNAGE		NK																			
STRUCTURES USED IN AGE DETERMINATION		Otoliths																			
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
																			Months Within Quarter		
																	Apr	May	Jun		
42	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
48	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3				
51	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2				
54	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
57	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	10				
60	-	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	13				
63	-	2	19	-	-	-	-	-	-	-	-	-	-	-	-	-	21				
66	-	1	20	2	-	-	-	-	-	-	-	-	-	-	-	-	23				
69	-	-	10	-	1	1	-	-	-	-	-	-	-	-	-	-	12				
72	-	-	7	1	-	-	-	-	-	-	-	-	-	-	-	-	8				
75	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
78	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2				
81	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	3				
84	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1				
87	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2				
90	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1				
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
96	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2				
Total No. of Ages Read		3	21	75	7	2	2	-	-	-	1	-	-	-	-	-	1	112	X		
Serial Numbers		No. of Age Samples 1																			
X		Number of fish measured each month																	112		
		Mean length of fish (cm) each month																	65.08		
		Mean weight of fish (kg) each month																			
		Total weight caught or landed (tong) each month																			
		Estimated number caught or landed (whole numbers) each month																			
		Range of depths (m) each month																			
Mesh size (mm)																					

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 25
(cont'd)

AGE/LENGTH KEY - COD - 1B - 1966 (3rd QUARTER)

GEAR		Long Line (Research)																Total	LENGTH COMPOSITION		
CATCHES OR LANDINGS		NK																No. of	PER MILLE		
COUNTRY		Denmark (Greenland)																Ages	Months Within Quarter		
TONNAGE		0-50																Read	Jul Aug Sep		
STRUCTURES USED IN AGE DETERMINATION		Otoliths																			
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read			
	39	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		1		
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
45	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
48	1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12			
51	1	21	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	24			
54	-	30	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	36			
57	-	40	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54			
60	-	19	27	2	-	-	-	-	-	-	-	-	-	-	-	-	-	48			
63	-	7	56	2	-	-	-	-	-	-	-	-	-	-	-	-	-	65			
66	-	2	39	4	1	1	-	-	-	-	-	-	-	-	-	-	-	47			
69	-	-	28	11	5	-	-	-	-	-	-	-	-	-	-	-	-	44			
72	-	-	30	4	1	2	1	-	-	-	-	-	-	-	-	-	-	38			
75	-	-	10	10	4	5	1	-	-	-	-	-	-	-	-	-	-	30			
78	-	-	3	5	6	11	1	-	-	-	-	-	-	-	-	-	-	26			
81	-	-	-	1	3	12	2	1	-	3	-	-	-	-	-	-	-	22			
84	-	-	-	2	2	10	4	2	1	1	-	-	-	-	-	-	-	22			
87	-	-	-	1	-	3	1	1	3	4	-	-	-	-	-	-	-	13			
90	-	-	-	-	1	3	1	2	1	2	-	1	-	-	-	-	1	12			
93	-	-	-	-	-	1	-	1	-	2	-	-	-	-	-	-	1	5			
96	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1			
99	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1			
102	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1			
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1			
Total No. of Ages Read		3	131	213	43	24	48	12	7	5	14	-	1	-	-	-	3	504			
Serial Numbers		No. of Age Samples																			
		Number of fish measured each month																504			
		Mean length of fish (cm) each month																68.0			
		Mean weight of fish (kg) each month																			
		Total weight caught or landed (tons) each month																			
		Estimated number caught or landed (whole numbers) each month																			
		Range of depths (m) each month																150-300			
Mesh size (mm)																					

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 25
(cont'd)

AGE/LENGTH KEY - COD - 1B - 1966 (3rd QUARTER)

GEAR		Greenlanders' (Commercial)														
CATCHES OR LANDINGS		NK														
COUNTRY		Denmark (Greenland)														
TONNAGE		0-50														
STRUCTURES USED IN AGE DETERMINATION		Otoliths														
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
														Months Within Quarter	Jul	Aug
36		2	-	-	-	-	-	-	-	-	-	-	2			
39		1	1	-	-	-	-	-	-	-	-	-	2			
42		2	-	-	-	-	-	-	-	-	-	-	2			
45		1	4	-	-	-	-	-	-	-	-	-	5			
48		-	7	2	-	-	-	-	-	-	-	-	9			
51		-	5	11	1	-	-	-	-	-	-	-	17			
54		-	3	32	3	-	-	-	-	-	-	-	38			
57		-	2	47	12	-	-	-	-	-	-	-	61			
60		-	-	52	31	1	-	-	-	-	-	-	84			
63		-	-	36	62	1	-	-	1	-	-	-	100			
66		-	-	18	48	1	-	-	-	-	-	-	67			
69		-	-	9	36	4	-	1	-	-	-	-	50			
72		-	-	4	30	7	-	4	-	-	-	-	45			
75		-	-	-	14	7	2	3	1	1	-	-	28			
78		-	-	-	9	6	2	5	1	-	-	-	23			
81		-	-	-	1	-	2	13	1	-	1	-	18			
84		-	-	-	1	2	1	7	2	-	-	-	13			
87		-	-	-	1	1	2	4	1	-	-	-	9			
90		-	-	-	-	-	1	2	1	1	1	1	7			
93		-	-	-	-	-	-	1	-	-	-	-	4			
96		-	-	-	-	-	-	1	-	1	-	-	2			
99		-	-	-	-	-	-	-	1	-	-	1	2			
102		-	-	-	-	-	-	-	1	-	-	-	1			
Total No. of Ages Read		6	22	211	249	30	11	40	10	3	2	5	589	X		
Serial Numbers		No. of Age Samples														
X	Number of fish measured each month												589			
	Mean length of fish (cm) each month												66.3			
	Mean weight of fish (kg) each month															
	Total weight caught or landed (tons) each month															
	Estimated number caught or landed (whole numbers) each month															
	Range of depths (m) each month															
Mesh size (mm)												not trawled				

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 25
(cont'd)

AGE/LENGTH KEY - COD - 1B - 1966 (3rd QUARTER)

GEAR		Pound Net (Research)														
CATCHES OR LANDINGS		NK														
COUNTRY		Denmark (Greenland)														
TONNAGE		0-50														
STRUCTURES USED IN AGE DETERMINATION		Otoliths														
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
														Months Within Quarter		
														Jul	Aug	Sep
39		1	1	-	-	-	-	-	-	-	-	-	2			
42		3	2	-	-	-	-	-	-	-	-	-	5			
45		-	13	1	-	-	-	-	-	-	-	-	14			
48		-	18	1	-	-	-	-	-	-	-	-	19			
51		-	4	7	-	-	-	-	-	-	-	-	11			
54		-	-	12	1	-	-	-	-	-	-	-	13			
57		-	2	9	2	-	-	-	-	-	-	-	13			
60		-	-	13	-	-	-	-	-	-	-	-	13			
63		-	-	4	2	-	-	-	-	-	-	-	6			
66		-	-	-	4	-	-	-	-	-	-	-	4			
69		-	-	1	3	-	-	-	-	-	-	-	4			
72		-	-	-	-	-	-	-	-	-	-	-	-			
75		-	-	-	1	-	-	-	-	-	-	-	1			
78		-	-	-	-	1	-	-	-	-	-	-	1			
81		-	-	-	-	-	-	-	-	-	-	-	-			
84		-	-	-	-	-	-	-	-	-	-	-	-			
87		-	-	-	-	-	-	-	-	-	-	-	-			
90		-	-	-	-	-	-	-	-	-	-	-	-			
93		-	-	-	-	-	-	-	-	-	-	1	1			
Total No. of Ages Read		4	40	48	13	1	-	-	-	-	-	1	107	X		
Serial Numbers		No. of Age Samples														
X		Number of fish measured each month											107			
		Mean length of fish (cm) each month											54.9			
		Mean weight of fish (kg) each month														
		Total weight caught or landed (tons) each month														
		Estimated number caught or landed (whole numbers) each month														
		Range of depths (m) each month														
		Mesh size (mm)														

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 26

AGE/LENGTH KEY - COD - 1C - 1966 (2nd QUARTER)

GEAR		Bottom Long Line (Research)																	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		NK																		Months Within Quarter	Apr	May
COUNTRY		Norway																				
TONNAGE		NK																				
STRUCTURES USED IN AGE DETERMINATION		Otoliths																				
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read	Months Within Quarter			
		Apr	May	Jun																		
36	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
42	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
45	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3					
48	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
51	2	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18					
54	-	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	28					
57	-	24	20	1	-	-	-	-	-	-	-	-	-	-	-	-	45					
60	-	12	54	3	-	1	-	-	-	-	-	-	-	-	-	-	70					
63	-	6	53	2	-	-	-	-	-	-	-	-	-	-	-	-	61					
66	-	1	29	10	-	1	-	-	-	-	-	-	-	-	-	-	41					
69	-	1	13	10	4	1	-	-	-	-	-	-	-	-	-	-	29					
72	-	1	15	13	4	8	-	-	-	-	-	-	-	-	-	-	41					
75	-	-	7	10	4	8	1	-	-	-	-	-	-	-	-	-	30					
78	-	-	-	5	1	11	-	1	1	2	-	-	-	-	-	-	21					
81	-	-	-	1	2	5	2	-	-	1	-	-	-	-	-	-	11					
84	-	-	-	1	1	4	-	-	-	1	-	-	-	-	-	-	7					
87	-	-	-	-	1	1	-	-	2	2	1	-	-	-	-	-	7					
90	-	-	-	1	-	-	-	5	2	1	-	-	-	-	-	-	9					
93	-	-	-	-	-	-	1	-	1	1	1	-	-	-	-	-	4					
96	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	2					
99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
102	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2					
105	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	3					
108	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1					
Total No. of Ages Read		5	85	199	57	17	40	6	1	10	11	5	-	-	-	-	1	437				
Serial Numbers		No. of Age Samples 3																				
X	Number of fish measured each month																		437			
	Mean length of fish (cm) each month																		64.75			
	Mean weight of fish (kg) each month																					
	Total weight caught or landed (tons) each month																					
	Estimated number caught or landed (whole numbers) each month																					
	Range of depths (m) each month																					
Mesh size (mm)																						

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 26
(cont'd)

AGE/LENGTH KEY - COD - 1C - 1966 (2nd QUARTER)

GEAR		Halibut Long Line (Research)															Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		NK																Months Within Quarter		
COUNTRY		Norway																		
TONNAGE		NK																		
STRUCTURES USED IN AGE DETERMINATION		Otoliths																		
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		Apr	May	Jun
	57	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-				
60	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
63	-	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	7			
66	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	4			
69	-	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	4			
72	-	-	4	2	2	2	-	-	-	-	-	-	-	-	-	-	10			
75	-	-	-	4	-	2	-	-	-	-	-	-	-	-	-	-	6			
78	-	-	-	7	3	4	-	-	-	-	-	-	-	-	-	-	14			
81	-	-	-	1	2	2	-	-	-	-	-	-	-	-	-	-	5			
84	-	-	-	1	2	1	-	1	-	1	-	-	-	-	-	-	6			
87	-	-	-	2	1	5	2	1	-	-	-	-	-	-	-	-	11			
90	-	-	-	-	-	5	1	2	1	4	-	-	-	-	-	-	13			
93	-	-	-	-	-	-	1	1	1	4	1	-	-	-	-	-	8			
96	-	-	-	-	-	1	-	1	1	1	-	-	-	-	-	-	4			
99	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2			
102	-	-	-	-	-	-	1	-	1	2	1	-	-	-	-	-	5			
105	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	3			
108	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1			
111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
120	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2			
123	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2			
Total No. of Ages Read	-	1	18	19	11	23	5	7	5	16	3	-	1	-	1	110	X			
Serial Numbers	No. of Age Samples 1																			
X		Number of fish measured each month															110			
		Mean length of fish (cm) each month															84.86			
		Mean weight of fish (kg) each month																		
		Total weight caught or landed (tons) each month																		
		Estimated number caught or landed (whole numbers) each month																		
		Range of depths (m) each month																		
Mesh size (mm)																				

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 26
(cont'd)

AGE/LENGTH KEY - COD - 1C - 1966 (3rd QUARTER)

GEAR		Greenlanders' (Commercial)																			
CATCHES OR LANDINGS		NK																			
COUNTRY		Denmark (Greenland)																			
TONNAGE		0-50																			
STRUCTURES USED IN AGE DETERMINATION		Otoliths																			
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
																			Months Within Quarter		
																Jul	Aug	Sep			
45		2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3				
48		12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	16				
51		8	5	-	-	-	-	-	-	-	-	-	-	-	-	-	13				
54		2	25	2	-	-	-	-	-	-	-	-	-	-	-	-	29				
57		-	28	4	-	-	-	-	-	-	-	-	-	-	-	-	32				
60		-	25	5	-	-	-	-	-	-	-	-	-	-	-	-	30				
63		-	17	5	-	-	-	-	-	-	-	-	-	-	-	-	22				
66		-	10	8	-	-	-	-	-	-	-	-	-	-	-	-	18				
69		-	3	13	2	1	-	-	-	-	-	-	-	-	-	-	19				
72		-	-	14	-	-	2	-	-	-	-	-	-	-	-	-	16				
75		-	-	8	1	1	2	-	-	-	-	-	-	-	-	-	12				
78		-	-	1	1	-	3	-	-	-	-	-	-	-	-	-	5				
81		-	-	-	1	3	6	-	-	-	-	-	-	-	-	-	10				
84		-	-	-	2	2	1	1	-	-	-	-	-	-	-	-	6				
87		-	-	-	-	4	3	-	1	-	-	-	-	-	-	-	8				
90		-	-	-	-	3	-	1	1	-	-	-	-	-	-	-	5				
93		-	-	-	1	-	3	-	-	-	1	-	-	-	-	1	6				
Total No. of Ages Read		24	118	60	8	14	20	2	2	-	-	1	-	-	-	1	250	X			
Serial Numbers		No. of Age Samples																			
X	Number of fish measured each month																	250			
	Mean length of fish (cm) each month																	65.3			
	Mean weight of fish (kg) each month																	2.7			
	Total weight caught or landed (tons) each month																				
	Estimated number caught or landed (whole numbers) each month																				
	Range of depths (m) each month																				
Mesh size (mm)																	not trawled				

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 27

AGE/LENGTH KEY - COD - 1D - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)													
CATCHES OR LANDINGS		Landings													
COUNTRY		Iceland													
TONNAGE		501-900													
STRUCTURES USED IN AGE DETERMINATION		Otoliths													
Length Group (3cm)	Age	4	5	6	7	8	9	10	11	12	NK	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
													Months Within Quarter	Apr	May
42		2	1	-	-	-	-	-	-	-	-	3			
45		7	3	-	-	-	-	-	-	-	-	10			
48		6	12	-	-	-	-	-	-	-	1	18			
51		3	49	-	-	-	-	-	-	-	3	52			
54		-	56	3	-	-	-	-	-	-	-	59			
57		1	49	3	-	1	-	-	-	-	4	54			
60		-	40	7	-	-	-	-	-	-	2	47			
63		-	31	11	3	-	-	-	-	-	-	45			
66		-	23	4	2	-	-	-	-	-	-	29			
69		-	6	10	2	1	-	-	-	-	-	19			
72		-	-	7	2	-	2	-	-	-	-	11			
75		-	-	4	1	3	6	-	-	-	-	14			
78		-	-	1	2	2	3	-	-	-	-	8			
81		-	-	-	-	4	4	-	-	-	-	8			
84		-	-	-	1	2	4	1	-	-	-	8			
87		-	-	-	-	-	3	1	-	1	-	5			
Total No. of Ages Read		19	270	50	13	13	22	2	-	1	10	390	X		
Serial Numbers		No. of Age Samples 2													
X	Number of fish measured each month												-	-	-
	Mean length of fish (cm) each month												-	-	-
	Mean weight of fish (kg) each month												-	-	-
	Total weight caught or landed (tons) each month												-	-	-
	Estimated number caught or landed (whole numbers) each month												-	-	-
	Range of depths (m) each month												-	-	-
Mesh size (mm)												-	-	-	
AGE COMPOSITIONS OF LANDINGS (PER MILLE)															
Month												Total			

TABLE 27
(cont'd)

AGE/LENGTH KEY - COD - 1D - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Research)												
CATCHES OR LANDINGS		NK												
COUNTRY		Norway												
TONNAGE		NK												
STRUCTURES USED IN AGE DETERMINATION		Otoliths												
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
											Months	Within	Quarter	
											Apr	May	Jun	
36		1	-	-	-	-	-	-	-	1				
39		-	-	-	-	-	-	-	-	-				
42		-	2	-	-	-	-	-	-	2				
45		-	-	-	-	-	-	-	-	-				
48		-	2	1	-	-	-	-	-	3				
51		-	-	8	-	-	-	-	-	8				
54		-	-	8	1	-	-	-	-	9				
57		-	-	8	3	-	-	-	-	11				
60		-	-	14	4	-	-	-	-	18				
63		-	-	2	6	1	-	-	-	9				
66		-	-	2	11	2	-	-	-	15				
69		-	-	1	15	-	-	-	-	16				
72		-	-	1	4	3	-	-	-	8				
75		-	-	-	1	1	1	1	-	4				
78		-	-	-	-	-	-	-	-	-				
81		-	-	-	-	-	1	1	1	3				
84		-	-	-	-	-	-	-	-	-				
87		-	-	-	-	-	1	1	-	2				
90		-	-	-	-	-	-	1	-	1				
Total No. of Ages Read		1	4	45	45	7	3	4	1	110	X			
Serial Numbers		No. of Age Samples 1												
X	Number of fish measured each month											110		
	Mean length of fish (cm) each month											63.00		
	Mean weight of fish (kg) each month													
	Total weight caught or landed (tons) each month													
	Estimated number caught or landed (whole numbers) each month													
	Range of depths (m) each month													
	Mesh size (mm)													

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 27
(cont'd)

AGE/LENGTH KEY - COD - 1D - 1966 (2nd QUARTER)

GEAR		Bottom Long Line (Research)															Total	LENGTH COMPOSITION		
CATCHES OR LANDINGS		NK															No. of	PER MILLE		
COUNTRY		Norway															Ages	Months Within Quarter		
TONNAGE		NK															Read			
STRUCTURES USED IN AGE DETERMINATION		Otoliths																		
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total No. of Ages Read	PER MILLE			
																	Apr	May	Jun	
42	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
45	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	10				
48	3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	17				
51	3	27	3	-	-	-	-	-	-	-	-	-	-	-	-	33				
54	-	44	10	-	-	-	-	-	-	-	-	-	-	-	-	54				
57	1	27	20	-	-	-	-	-	-	-	-	-	-	-	-	48				
60	-	14	49	-	-	-	-	-	-	-	-	-	-	-	-	63				
63	1	8	84	9	1	1	-	-	-	-	-	-	-	-	-	104				
66	-	4	82	13	-	2	-	-	-	-	-	-	-	-	-	101				
69	-	-	58	24	1	1	-	-	-	-	-	-	-	-	-	84				
72	-	-	38	25	7	5	-	-	-	-	-	-	-	-	-	75				
75	-	-	11	20	10	11	-	-	-	-	-	1	-	-	-	53				
78	1	-	6	7	7	11	-	-	-	1	-	-	-	-	-	33				
81	-	-	3	9	6	10	1	-	1	-	-	-	-	-	-	30				
84	-	-	-	1	2	7	4	-	-	-	1	-	-	-	-	15				
87	-	-	-	-	1	7	1	-	2	1	-	-	-	-	1	13				
90	-	-	-	1	2	3	-	-	2	-	-	-	-	-	1	9				
93	-	-	-	-	1	-	-	-	-	2	1	-	-	-	-	4				
96	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	2				
99	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1				
102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
108	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2				
Total No. of Ages Read		14	147	364	109	38	58	7	-	5	8	3	-	-	2	755	X			
Serial Numbers		No. of Age Samples 6																		
X	Number of fish measured each month																755			
	Mean length of fish (cm) each month																66.68			
	Mean weight of fish (kg) each month																			
	Total weight caught or landed (tons) each month																			
	Estimated number caught or landed (whole numbers) each month																			
	Range of depths (m) each month																			
Mesh size (mm)																				

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 28

AGE/LENGTH KEY - COD - 1E - 1966 (2nd QUARTER)

GEAR		Bottom Long Line (Research)													Total	LENGTH COMPOSITION PER MILLE				
CATCHES OR LANDINGS		NK													No. of	Months Within Quarter				
COUNTRY		Norway													Ages	Apr			May	Jun
TONNAGE		NK													Read					
STRUCTURES USED IN AGE DETERMINATION		Otoliths																		
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16						
	45	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1				
48	1	4	-	-	-	-	-	-	-	-	-	-	-	-	5					
51	-	14	-	-	-	-	-	-	-	-	-	-	-	-	14					
54	-	15	3	-	-	-	-	-	-	-	-	-	-	-	18					
57	-	22	6	-	-	-	-	-	-	-	-	-	-	-	28					
60	-	9	17	-	-	-	-	-	-	-	-	-	-	-	26					
63	-	9	21	3	1	-	-	-	-	-	-	-	-	-	34					
66	-	3	39	9	1	-	-	-	-	-	-	-	-	-	52					
69	-	-	21	14	5	3	1	-	-	-	-	-	-	-	44					
72	-	1	19	15	5	2	-	-	-	-	-	-	-	-	42					
75	-	-	4	6	5	8	3	-	-	-	-	-	-	-	26					
78	-	-	2	5	6	20	1	-	-	-	-	-	-	-	34					
81	-	-	-	5	3	7	1	2	-	-	-	-	-	-	18					
84	-	-	-	1	3	7	2	2	-	3	1	-	-	-	19					
87	-	-	-	1	-	5	3	-	-	4	-	-	-	-	13					
90	-	-	-	1	-	4	1	1	1	4	3	-	1	-	16					
93	-	-	-	-	-	2	-	4	-	2	-	-	1	-	9					
96	-	-	-	-	-	1	2	-	1	1	-	-	-	-	5					
99	-	-	-	-	-	1	-	-	-	1	-	-	-	-	2					
102	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2					
105	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2					
Total No. of Ages Read		1	78	132	60	29	60	14	9	2	19	4	-	2	410	X				
Serial Numbers		No. of Age Samples 4																		
X		Number of fish measured each month													410					
		Mean length of fish (cm) each month													71.57					
		Mean weight of fish (kg) each month																		
		Total weight caught or landed (tons) each month																		
		Estimated number caught or landed (whole numbers) each month																		
		Range of depths (m) each month																		
		Mesh size (mm)																		

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 28
(cont'd)

AGE/LENGTH KEY - COD - 1E - 1966 (2nd QUARTER)

GEAR		Greenlanders' (Commercial)																
CATCHES OR LANDINGS		NK																
COUNTRY		Denmark (Greenland)																
TONNAGE		0-50																
STRUCTURES USED IN AGE DETERMINATION		Otoliths																
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
																Months Within Quarter	Apr	May
42		4	1	-	-	-	-	-	-	-	-	-	-	5				
45		4	2	-	-	-	-	-	-	-	-	-	-	6				
48		1	16	-	-	-	-	-	-	-	-	-	-	17				
51		1	25	-	-	-	-	-	-	-	-	-	-	26				
54		1	35	-	-	-	-	-	-	-	-	-	-	36				
57		-	30	4	-	1	-	-	-	-	-	-	-	35				
60		-	15	1	-	-	-	-	-	-	-	-	-	16				
63		-	12	7	-	-	-	-	-	-	-	-	-	19				
66		-	5	4	-	1	-	-	-	-	-	-	-	10				
69		-	-	6	3	-	-	-	-	-	-	-	-	9				
72		-	-	2	2	1	-	-	-	-	-	-	-	5				
75		-	-	2	1	1	1	-	-	-	-	-	-	5				
78		-	-	-	-	2	-	-	-	-	-	-	-	2				
81		-	-	1	1	2	1	-	-	-	-	-	-	5				
84		-	-	-	-	1	1	-	-	-	-	-	-	2				
87		-	-	-	-	-	-	-	-	-	-	-	-	-				
90		-	-	-	-	-	-	-	-	-	-	-	-	-				
93		-	-	-	-	-	-	-	-	-	-	-	1	1				
Total No. of Ages Read		11	141	27	7	9	3	-	-	-	-	-	1	198	X			
Serial Numbers		No. of Age Samples																
X		Number of fish measured each month													198			
		Mean length of fish (cm) each month													59.0			
		Mean weight of fish (kg) each month																
		Total weight caught or landed (tons) each month																
		Estimated number caught or landed (whole numbers) each month																
		Range of depths (m) each month																
		Mesh size (mm)													not trawled			

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 28
(cont'd)

AGE/LENGTH KEY - COD - 1E - 1966 (3rd QUARTER)

GEAR		Long Line (Research)																			
CATCHES OR LANDINGS		NK																			
COUNTRY		Denmark (Greenland)																			
TONNAGE		0-50																			
STRUCTURES USED IN AGE DETERMINATION		Otoliths																			
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
																			Months Within Quarter		
																Jul	Aug	Sep			
42	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
45	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
48	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2				
51	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3				
54	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3				
57	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
60	-	5	6	1	-	-	-	-	-	-	-	-	-	-	-	-	12				
63	-	5	4	-	-	-	-	-	-	1	-	-	-	-	-	-	10				
66	-	1	9	-	2	1	-	-	-	-	-	-	-	-	-	-	13				
69	-	-	8	9	1	1	-	-	-	-	-	-	-	-	-	-	19				
72	-	-	2	5	1	4	-	-	-	-	-	-	-	-	-	-	12				
75	-	-	2	2	4	18	-	1	-	1	-	-	-	-	-	-	28				
78	-	-	2	4	4	7	3	1	-	1	-	-	1	-	-	-	23				
81	-	-	-	1	4	3	1	-	1	1	-	2	-	1	-	-	14				
84	-	-	-	-	4	3	1	2	2	2	-	1	3	-	-	-	18				
87	-	-	-	1	1	1	1	-	-	2	-	-	1	-	-	1	8				
90	-	-	-	-	2	5	3	1	1	-	-	-	-	-	1	-	13				
93	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	2				
96	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2				
99	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1				
Total No. of Ages Read		1	24	33	23	23	43	12	5	4	8	-	4	6	1	1	1	189	X		
Serial Numbers		No. of Age Samples																			
X	Number of fish measured each month																	189			
	Mean length of fish (cm) each month																	75.1			
	Mean weight of fish (kg) each month																	3.7			
	Total weight caught or landed (tons) each month																				
	Estimated number caught or landed (whole numbers) each month																				
	Range of depths (m) each month																	100-200			
Mesh size (mm)																					

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 29

AGE/LENGTH KEY - COD - 1F - 1966 (1st QUARTER)

GEAR		Bottom Long Line (Research)													
CATCHES OR LANDINGS		NK													
COUNTRY		Norway													
TONNAGE		NK													
STRUCTURES USED IN AGE DETERMINATION		Otoliths													
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
													Months Within Quarter		
												Jan	Feb	Mar	
39	-	1	-	-	-	-	-	-	-	-	-	1			
42	-	-	-	-	-	-	-	-	-	-	-	-			
45	-	-	-	-	-	-	-	-	-	-	-	-			
48	1	1	-	-	-	-	-	-	-	-	-	2			
51	-	9	-	-	-	-	-	-	-	-	-	9			
54	-	8	4	-	-	-	-	-	-	-	-	12			
57	-	17	2	-	-	-	-	-	-	-	-	19			
60	-	22	5	-	-	-	-	-	-	-	-	27			
63	-	10	17	1	-	-	-	-	-	-	-	28			
66	-	2	21	2	-	-	-	-	-	-	-	25			
69	-	3	13	6	3	-	-	-	-	-	-	25			
72	-	-	11	4	7	2	1	-	1	-	-	26			
75	-	-	8	3	6	3	-	-	-	-	-	20			
78	-	-	1	2	12	2	-	-	-	-	-	17			
81	-	-	-	1	6	5	-	1	-	-	2	15			
84	-	-	-	-	4	5	1	-	-	-	-	10			
87	-	-	-	-	2	3	-	-	-	-	-	5			
90	-	-	-	-	-	2	-	-	-	-	-	2			
93	-	-	-	-	-	1	1	-	-	-	-	2			
96	-	-	-	-	-	-	1	-	-	-	-	1			
99	-	-	-	-	-	-	2	-	-	-	-	2			
Total No. of Ages Read		1	73	82	19	40	23	6	1	1	2	248	X		
Serial Numbers		No. of Age Samples 2													
X		Number of fish measured each month													
		Mean length of fish (cm) each month											248		
		Mean weight of fish (kg) each month											69.19		
		Total weight caught or landed (tons) each month													
		Estimated number caught or landed (whole numbers) each month													
		Range of depths (m) each month													
		Mesh size (mm)													

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 29
(cont'd)

AGE/LENGTH KEY - COD - 1F - 1966 (3rd QUARTER)

GEAR		Greenlanders' (Commercial)																			Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		NK																				Months Within Quarter		
COUNTRY		Denmark (Greenland)																						
TONNAGE		0-50																						
STRUCTURES USED IN AGE DETERMINATION		Otoliths																						
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read	PER MILLE				
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		Jul	Aug	Sep		
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
33	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
36	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
39	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14					
42	-	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31					
45	-	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41					
48	-	10	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46					
51	-	4	41	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91					
54	-	-	87	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92					
57	-	2	87	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85					
60	-	-	71	13	-	1	-	-	-	-	-	-	-	-	-	-	-	-	45					
63	-	-	32	12	-	-	-	-	-	-	1	-	-	-	-	-	-	-	18					
66	-	-	2	9	2	4	1	-	-	-	-	-	-	-	-	-	-	-	8					
69	-	-	3	1	1	2	-	1	-	-	-	-	-	-	-	-	-	-	14					
72	-	-	1	-	3	6	3	1	-	-	-	-	-	-	-	-	-	-	19					
75	-	-	1	1	1	9	5	1	-	-	1	-	-	-	-	-	-	-	8					
78	-	-	-	-	1	3	3	1	-	-	-	-	-	-	-	-	-	-	11					
81	-	-	-	-	1	3	3	2	-	-	1	-	-	-	-	-	-	1	3					
84	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-					
87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
90	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1					
93	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-					
Total No. of Ages Read		2	52	367	44	9	28	18	8	-	-	3	-	-	-	-	-	1	532					
Serial Numbers		No. of Age Samples																						
X		Number of fish measured each month																			200		332	
		Mean length of fish (cm) each month																			61.0		56.8	
		Mean weight of fish (kg) each month																						
		Total weight caught or landed (tons) each month																						
		Estimated number caught or landed (whole numbers) each month																						
		Range of depths (m) each month																						
		Mesh size (mm)																			not trawled			

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	Total

TABLE 30

AGE/LENGTH TABLE - COD - 1A - 1966 (3rd QUARTER)

GEAR		Greenlanders' (Commercial)																
CATCHES OR LANDINGS		NK																
COUNTRY		Denmark (Greenland)																
TONNAGE		0-50																
STRUCTURES USED IN AGE DETERMINATION		Otoliths																
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
																Months Within Quarter		
															Jul	Aug	Sep	
45	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	9	
48	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	9	
51	1	4	-	-	-	-	-	-	-	-	-	-	-	5	-	-	44	
54	2	14	-	-	-	-	-	-	-	-	-	-	-	16	-	26	80	
57	1	11	4	-	-	-	-	-	-	-	-	-	-	16	-	33	62	
60	1	19	11	1	-	-	-	-	-	-	-	-	-	32	-	88	195	
63	-	13	16	-	-	-	-	-	-	-	-	-	-	29	-	84	168	
66	-	7	16	1	-	-	-	-	-	-	-	-	-	24	-	150	124	
69	-	1	17	1	-	-	-	-	-	-	-	-	-	19	-	164	80	
72	-	1	15	1	1	2	-	-	-	-	-	-	-	20	-	131	88	
75	-	-	6	2	1	2	-	-	-	-	-	-	-	11	-	95	9	
78	-	-	2	4	1	3	1	-	-	-	-	-	-	11	-	84	9	
81	-	-	1	1	-	6	-	1	-	-	-	-	-	9	-	22	27	
84	-	-	-	1	2	8	1	-	-	-	-	-	-	12	-	36	18	
87	-	-	-	-	1	2	1	2	1	1	-	-	-	8	-	29	-	
90	-	-	-	-	-	2	1	-	-	4	-	-	-	7	-	18	18	
93	-	-	-	-	-	2	-	1	1	2	-	-	-	6	-	11	27	
96	-	-	-	-	-	2	-	1	1	1	-	-	-	5	-	15	9	
99	-	-	-	-	-	-	1	-	-	1	-	-	-	2	-	4	9	
102	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	7	-	
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
108	-	-	-	-	-	-	-	-	-	1	-	-	1	2	-	4	9	
111	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	9	
Total No. of Ages Read		6	71	88	12	6	29	5	5	3	12	-	-	2	239	-	1001	1003
Serial Numbers		No. of Age Samples																
X		Number of fish measured each month													-	274	113	
		Mean length of fish (cm) each month													-	69.9	66.9	
		Mean weight of fish (kg) each month													-	-	2.8	
		Total weight caught or landed (tons) each month													-	-	-	
		Estimated number caught or landed (whole numbers) each month													-	-	-	
		Range of depths (m) each month													-	-	-	
		Mesh size (mm)													not trawled			

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	14	15	16	Total
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	8	196	498	77	34	114	20	14	9	32	-	-	2	1004
Sep	38	432	364	28	9	61	10	12	9	34	-	-	14	1011

TABLE 31

AGE/LENGTH TABLE - COD - 1B - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Research)																			
CATCHES OR LANDINGS		NK																			
COUNTRY		Denmark (Greenland)																			
TONNAGE		900-1800																			
STRUCTURES USED IN AGE DETERMINATION		Otoliths																			
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
																			Months Within Quarter		
																	Apr	May	Jun		
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
48	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	
51	1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	
54	-	14	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148	
57	-	18	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	182	
60	-	24	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	186	
63	-	6	21	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	135	
66	-	2	17	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	94	
69	-	-	16	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	62	
72	-	-	7	5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	40	
75	-	-	2	2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	20	
78	-	-	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
81	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
84	-	-	-	-	-	2	-	1	-	1	-	-	-	-	-	-	-	-	-	10	
87	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
90	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	
93	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
99	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	
102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	(+)	
Total No. of Ages Read		2	80	85	17	6	20	1	2	-	2	-	-	-	-	-	1	216	999		
Serial Numbers		No. of Age Samples																			
X		Number of fish measured each month																	-	-	2356
		Mean length of fish (cm) each month																	-	-	62.0
		Mean weight of fish (kg) each month																	-	-	-
		Total weight caught or landed (tons) each month																	-	-	-
		Estimated number caught or landed (whole numbers) each month																	-	-	-
		Range of depths (m) each month																	-	-	145-170
Mesh size (mm)																			-	-	-

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	8	501	364	54	14	48	3	6	-	6	-	-	-	-	-	(+)	1004

TABLE 31
(cont'd)

AGE/LENGTH TABLE - COD - 1B - 1966 (4th QUARTER)

GEAR		Otter Trawl (Commercial)																			Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Landings																				Oct	Nov	Dec
COUNTRY		Germany, Federal Republic																						
TONNAGE		900-1800																						
STRUCTURES USED IN AGE DETERMINATION		Otoliths																						
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Months Within Quarter					
																				Oct	Nov	Dec		
36		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-		
39		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-		
42		3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-		
45		6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	1	4		
48		7	15	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	17	8		
51		4	25	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	52	22		
54		1	39	32	1	-	-	-	-	-	-	-	-	-	-	-	-	-	73	-	92	116		
57		-	40	52	2	1	-	-	-	-	-	-	-	-	-	-	-	-	95	-	131	229		
60		-	11	61	6	-	-	-	-	-	-	-	-	-	-	-	-	-	78	-	155	226		
63		-	1	42	14	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	119	141		
66		-	-	28	21	1	-	-	-	-	-	-	-	-	-	-	-	-	50	-	125	108		
69		-	-	20	15	1	-	-	-	-	-	-	-	-	-	-	-	-	36	-	117	66		
72		-	-	9	18	3	-	3	-	-	-	-	-	-	-	-	-	-	33	-	91	36		
75		-	-	4	12	2	-	2	-	-	-	-	-	-	-	-	-	-	20	-	36	19		
78		-	-	1	7	-	1	5	-	-	-	-	-	-	-	-	-	-	14	-	25	8		
81		-	-	1	7	3	-	9	1	2	-	-	-	-	-	-	-	-	23	-	11	7		
84		-	-	-	1	5	3	10	2	-	-	-	-	-	-	-	-	-	21	-	9	3		
87		-	-	-	-	2	-	9	2	-	-	-	-	-	-	-	-	-	13	-	7	2		
90		-	-	-	-	1	2	4	-	-	-	3	-	-	-	-	-	-	10	-	5	2		
93		-	-	-	-	-	-	1	1	1	1	4	-	-	1	-	-	-	9	-	3	2		
96		-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	1	1		
99		-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	3	-	2	0		
102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
105		-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-		
108		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-		
Total No. of Ages Read		28	138	257	104	19	6	44	7	3	1	10	-	-	1	-	-	1	619					
Serial Numbers		42, 45																	No. of Age Samples			2		
X		Number of fish measured each month																			-	772	439	
		Mean length of fish (cm) each month																			-	65.2	62.7	
		Mean weight of fish (kg) each month																			-	-	-	
		Total weight caught or landed (tons) each month																			-	80 ¹	139 ²	
		Estimated number caught or landed (whole numbers) each month																			-	35855	51992	
		Range of depths (m) each month																			-	-	-	
Mesh size (mm)																					-	110	110	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total
Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov	10	194	518	207	22	4	36	3	3	-	3	-	-	-	-	-	0	1000
Dec	14	196	563	184	21	1	16	2	-	0	3	-	-	0	-	-	-	1000

- ¹ plus 15 tons of industrial cod
² amount of industrial cod unknown

TABLE 32

AGE/LENGTH TABLE - COD - 1C - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)																				Total No. of Ages Read	LENGTH COMPOSITION PER MILLE												
CATCHES OR LANDINGS		Landings																					Jan	Feb	Mar										
COUNTRY		Germany, Federal Republic																																	
TONNAGE		1287																																	
STRUCTURES USED IN AGE DETERMINATION		Otoliths																																	
Length Group (3 cm)	Age	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																	
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
51	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	16	
54	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	34		
57	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	103		
60	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	127		
63	-	8	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	117			
66	-	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	151			
69	-	7	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	108			
72	-	2	5	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	104			
75	-	-	1	6	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	69			
78	-	-	-	1	9	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	56			
81	-	-	2	1	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	25			
84	-	-	-	-	5	1	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	25			
87	-	-	-	1	2	2	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	18			
90	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	14			
93	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	8			
96	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5			
99	-	-	-	-	-	-	-	-	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6			
102	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5			
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	
108	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	
111	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-
Total No. of Ages Read		7	48	17	14	42	7	3	1	21	3	1	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	166	-	-	1000	
Serial Numbers		16																				No. of Age Samples			1										
		Number of fish measured each month																				-			511										
		Mean length of fish (cm) each month																				-			69.5										
		Mean weight of fish (kg) each month																				-			-										
		Total weight caught or landed (tons) each month																				-			197 ¹										
		Estimated number caught or landed (whole numbers) each month																				-			80627										
		Range of depths (m) each month																				-			600-750										
		Mesh size (mm)																				-			110										

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Total
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	49	501	123	66	179	14	6	2	45	6	8	-	-	-	1	-	0	1000

¹ No industrial cod

TABLE 32
(cont'd)

AGE/LENGTH TABLE - COD - 1C - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Research)															Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
CATCHES OR LANDINGS		NK																Months Within Quarter			
COUNTRY		Denmark (Greenland)																			
TONNAGE		900-1800																			
STRUCTURES USED IN AGE DETERMINATION		Otoliths																			
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read			
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		Apr	May	Jun
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
48	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	
51	-	18	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	
54	-	19	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	127	
57	-	16	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	157	
60	-	10	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193	
63	-	8	10	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	145	
66	-	3	16	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	
69	-	2	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	
72	-	1	10	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	39	
75	-	-	8	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	26	
78	-	-	-	2	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	21	
81	-	-	1	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	13	
84	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	7	
87	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
90	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	6	
93	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	5	
96	-	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	5	
99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Total No. of Ages Read		7	85	76	11	11	15	3	1	1	-	1	-	-	-	-	1	212	999		
Serial Numbers		No. of Age Samples																			
		Number of fish measured each month															-	-	1753		
		Mean length of fish (cm) each month															-	-	62.6		
		Mean weight of fish (kg) each month															-	-	-		
		Total weight caught or landed (tons) each month															-	-	-		
		Estimated number caught or landed (whole numbers) each month															-	-	-		
		Range of depths (m) each month															-	-	162-243		
Mesh size (mm)																	-	-	-		

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	14	505	368	38	29	24	9	2	2	-	3	-	-	-	-	2	996

TABLE 33

AGE/LENGTH TABLE - COD - 1D - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)																	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Landings																		Jan	Feb	Mar
COUNTRY		Germany, Federal Republic																				
TONNAGE		973																				
STRUCTURES USED IN AGE DETERMINATION		Otoliths																				
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read	Months Within Quarter		
																				Jan	Feb	Mar
45		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	6	-	
48		-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	19	-	
51		-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	44	-	
54		-	1	19	4	-	-	-	-	-	-	-	-	-	-	-	-	24	-	138	18	
57		-	-	16	30	1	-	-	-	-	-	-	-	-	-	-	-	47	-	161	140	
60		-	-	23	36	1	-	-	-	-	-	-	-	-	-	-	-	60	-	192	251	
63		-	-	6	55	4	-	-	-	-	-	-	-	-	-	-	-	65	-	147	288	
66		-	-	1	44	3	-	1	-	-	-	-	-	-	-	-	-	49	-	131	156	
69		-	-	1	26	2	-	-	-	-	-	-	-	-	-	-	-	29	-	61	84	
72		-	-	-	11	6	-	1	-	-	-	-	-	-	-	-	-	18	-	47	32	
75		-	-	-	5	2	-	5	-	-	-	-	-	-	-	-	-	12	-	19	19	
78		-	-	-	1	1	2	6	-	-	-	-	-	-	-	-	-	10	-	10	1	
81		-	-	-	-	1	-	10	-	-	-	-	-	-	-	-	-	11	-	8	1	
84		-	-	-	1	-	1	10	1	1	-	1	-	-	-	-	-	15	-	6	2	
87		-	-	-	-	-	1	7	3	-	1	2	1	-	1	-	-	16	-	5	5	
90		-	-	-	-	-	-	3	1	-	-	4	-	-	-	-	-	8	-	2	2	
93		-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2	-	1	1	
96		-	-	-	-	-	-	1	-	-	1	2	-	-	-	-	-	4	-	1	0	
99		-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2	-	1	0	
102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
105		-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	3	-	1	0	
108		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
111		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	0	
Total No. of Ages Read		1	2	77	213	21	4	44	6	3	3	10	1	-	3	-	-	1	389	- 1000 1000		
Serial Numbers		5, 11															No. of Age Samples			2		
X		Number of fish measured each month																	-	616	582	
		Mean length of fish (cm) each month																	-	62.9	64.5	
		Mean weight of fish (kg) each month																	-	-	-	
		Total weight caught or landed (tons) each month																	-	280 ¹	274 ²	
		Estimated number caught or landed (whole numbers) each month																	-	142347	138255	
		Range of depths (m) each month																	-	-	-	
		Mesh size (mm)																	-	110	110	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
Feb	6	12	334	549	45	1	44	3	2	1	1	1	-	1	-	-	-	1000
Mar	-	-	173	748	68	1	5	1	-	-	4	-	-	-	-	-	-	1000

- 1 plus 40 tons of industrial cod
2 plus 100 tons of industrial cod

TABLE 33
(cont'd)

AGE/LENGTH TABLE - COD - 1D - 1966 (2nd QUARTER)

GEAR		NK (Research)													
CATCHES OR LANDINGS		NK													
COUNTRY		Denmark (Greenland)													
TONNAGE		900-1800													
STRUCTURES USED IN AGE DETERMINATION		Otoliths													
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
													Months Within Quarter		
													Apr	May	Jun
39	1	-	-	-	-	-	-	-	-	-	-	1	-	-	2
42	2	-	-	-	-	-	-	-	-	-	-	2	-	-	4
45	3	8	-	-	-	-	-	-	-	-	-	11	-	-	23
48	2	15	-	-	-	-	-	-	-	-	-	17	-	-	35
51	1	28	-	-	-	-	-	-	-	-	-	29	-	-	62
54	2	53	1	-	-	-	-	-	-	-	-	56	-	-	121
57	-	50	3	-	-	-	-	-	-	-	-	53	-	-	113
60	1	48	8	-	-	-	-	-	-	-	-	57	-	-	142
63	-	33	10	1	-	-	-	-	-	-	-	44	-	-	109
66	-	11	10	1	1	-	-	-	-	-	-	23	-	-	70
69	-	2	17	1	1	2	-	-	-	-	-	23	-	-	57
72	-	2	10	3	1	2	-	-	-	-	-	18	-	-	68
75	-	-	8	2	4	3	-	-	-	-	-	17	-	-	60
78	-	-	3	2	1	2	-	-	-	-	-	8	-	-	31
81	-	-	1	-	4	6	-	-	-	-	-	11	-	-	33
84	-	-	-	-	3	5	-	-	-	-	-	8	-	-	31
87	-	-	-	-	-	3	-	-	-	-	-	4	-	-	27
90	-	-	-	-	1	1	-	-	-	-	-	2	-	-	8
93	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total No. of Ages Read		12	250	71	10	16	24	-	-	-	2	385			1002
Serial Numbers	No. of Age Samples														
	Number of fish measured each month											-	-	487	
	Mean length of fish (cm) each month											-	-	64.7	
	Mean weight of fish (kg) each month											-	-	-	
	Total weight caught or landed (tons) each month											-	-	-	
	Estimated number caught or landed (whole numbers) each month											-	-	-	
	Range of depths (m) each month											-	-	72-297	
	Mesh size (mm)											-	-	-	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	Total
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	24	578	206	33	55	93	-	-	-	13	1002

TABLE 33
(cont'd)

AGE/LENGTH TABLE - COD - 1D - 1966 (4th QUARTER)

GEAR		Otter Trawl (Commercial)																		Total No. of Ages Read		LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Landings																						
COUNTRY		Germany, Federal Republic																						
TONNAGE		1300																						
STRUCTURES USED IN AGE DETERMINATION		Otoliths																						
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total No. of Ages Read	Months Within Quarter					
																			Oct	Nov	Dec			
45		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2			
48		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	10			
51		1	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	40			
54		-	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	58			
57		-	4	17	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	112			
60		-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	129			
63		-	-	20	1	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	160			
66		-	-	18	1	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	95			
69		-	-	17	4	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	100			
72		-	-	16	2	-	1	-	-	-	-	-	-	-	-	-	-	19	-	-	78			
75		-	-	7	8	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	67			
78		-	-	6	4	1	1	-	-	-	-	-	-	-	-	-	-	12	-	-	40			
81		-	-	1	7	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	24			
84		-	-	1	1	2	2	2	-	-	-	-	-	-	-	-	-	8	-	-	22			
87		-	-	-	4	1	2	-	-	-	-	-	-	-	-	-	-	7	-	-	15			
90		-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	6	-	-	14			
93		-	-	-	-	-	1	4	1	-	-	-	-	-	-	-	1	7	-	-	13			
96		-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	4	-	-	10			
99		-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	3	-	-	5			
102		-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	2	-	-	3			
105		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
108		-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1			
111		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
114		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
117		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1			
Total No. of Ages Read		1	24	131	32	4	10	14	4	-	-	2	-	-	1	-	1	224	1000					
Serial Numbers	48	No. of Age Samples																		1				
X	Number of fish measured each month																			-	-	519		
	Mean length of fish (cm) each month																			-	-	68.0		
	Mean weight of fish (kg) each month																			-	-	-		
	Total weight caught or landed (tons) each month																			-	-	139 ¹		
	Estimated number caught or landed (whole numbers) each month																			-	-	51992		
	Range of depths (m) each month																			-	-	-		
Mesh size (mm)																			-	-	110			

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total
Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec	3	98	696	123	10	26	30	9	-	-	3	-	-	1	-	1	1000

¹ plus 3 tons of industrial cod

TABLE 34

AGE/LENGTH TABLE - COD - 1E - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)																
CATCHES OR LANDINGS		Landings																
COUNTRY		Germany, Federal Republic																
TONNAGE		650																
STRUCTURES USED IN AGE DETERMINATION		Otoliths																
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
																Months Within Quarter		
													Jan	Feb	Mar			
48	1	1	-	1	-	-	-	-	-	-	-	-	-	3	-	4	-	
51	1	3	1	-	-	-	-	-	-	-	-	-	-	5	-	9	-	
54	-	5	-	-	-	-	-	-	-	-	-	-	-	5	-	19	-	
57	-	10	2	-	-	-	-	-	-	-	-	-	-	12	-	49	-	
60	-	4	10	-	-	-	-	-	-	-	-	-	-	14	-	83	-	
63	-	3	20	1	1	-	-	-	-	-	-	-	-	25	-	174	-	
66	-	1	16	2	-	-	-	-	-	-	-	-	-	19	-	162	-	
69	-	1	7	5	-	-	-	-	-	-	-	-	-	13	-	141	-	
72	-	-	3	4	-	4	-	-	-	-	-	-	-	11	-	77	-	
75	-	-	3	3	1	6	-	-	-	-	-	-	-	13	-	77	-	
78	-	-	1	3	1	15	-	-	-	-	-	-	-	20	-	80	-	
81	-	-	1	1	3	9	1	-	1	-	-	-	-	16	-	50	-	
84	-	-	-	1	-	10	-	-	-	2	-	-	-	13	-	40	-	
87	-	-	-	-	-	2	2	-	-	1	-	-	-	5	-	16	-	
90	-	-	-	-	-	2	-	-	-	1	-	-	1	4	-	7	-	
93	-	-	-	-	1	1	-	-	-	3	-	-	-	5	-	11	-	
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
102	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	
Total No. of Ages Read		2	28	64	21	7	49	3	-	1	8	-	-	1	184	1000		
Serial Numbers	10														No. of Age Samples			
X		Number of fish measured each month													-	494	-	
		Mean length of fish (cm) each month													-	70.5	-	
		Mean weight of fish (kg) each month													-	-	-	
		Total weight caught or landed (tons) each month													-	73 ¹	-	
		Estimated number caught or landed (whole numbers) each month													-	34102	-	
		Range of depths (m) each month													-	-	-	
		Mesh size (mm)													-	110	-	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	14	15	16	Total
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	2	134	465	143	28	194	9	-	3	20	-	-	2	1000
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 no discards

TABLE 34
(cont'd)

AGE/LENGTH TABLE - COD - 1E - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)																												
CATCHES OR LANDINGS		Landings																												
COUNTRY		Germany, Federal Republic																												
TONNAGE		900-1800																												
STRUCTURES USED IN AGE DETERMINATION		Otoliths																												
Length Group (3 cm)	Age																						Total No. of Ages Read	LENGTH COMPOSITION PER MILLE						
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Months Within Quarter											
																										Apr	May	Jun		
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	
51	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	51	52	-
54	22	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	116	81	-
57	23	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	103	92	-
60	13	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	142	84	-
63	2	30	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	162	67	-
66	1	24	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	116	90	-
69	1	11	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	65	65	-
72	-	10	8	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	55	88	-
75	-	8	2	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	41	107	-
78	-	2	3	9	14	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	56	78	-
81	-	-	-	5	9	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	20	58	-
84	-	-	3	7	8	1	2	-	1	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	24	20	55	-
87	-	-	-	3	13	4	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	23	35	-
90	-	-	-	3	4	2	-	-	2	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	13	9	24	-
93	-	-	-	1	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	9	-
96	-	-	-	-	1	-	1	-	2	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	5	3	8	-
99	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-
102	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	4	5	-
105	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	1	-
Total No. of Ages Read	77	119	28	42	64	11	7	-	12	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	370			
Serial Numbers	22, 24																					No. of Age Samples	2							
		Number of fish measured each month																					525	433	-					
		Mean length of fish (cm) each month																					66.5	70.7	-					
		Mean weight of fish (kg) each month																					-	-	-					
		Total weight caught or landed (tons) each month																					42 ¹	188 ¹	-					
		Estimated number caught or landed (whole numbers) each month																					20827	76419	-					
		Range of depths (m) each month																					-	-	-					
		Mesh size (mm)																					110	110	-					

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Total
Apr	243	471	83	51	110	11	6	-	10	8	-	6	-	-	-	-	1	1000
May	270	302	76	137	162	22	13	-	18	-	-	-	-	-	-	-	-	1000
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 no industrial cod

TABLE 35
(cont'd)

AGE/LENGTH TABLE - COD - 1F - 1966 (3rd QUARTER)

GEAR		Otter Trawl (Commercial)															Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Landings																Months	Within	Quarter
COUNTRY		Germany, Federal Republic															Jul	Aug	Sep	
TONNAGE		500-900																		
STRUCTURES USED IN AGE DETERMINATION		Otoliths																		
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
																	Jul	Aug	Sep	
45		1	2	-	-	-	-	-	-	-	-	-	-	-	-	3	12	-	10	
48		1	11	-	-	-	-	-	-	-	-	-	-	-	-	12	23	-	50	
51		-	32	-	-	-	-	-	-	-	-	-	-	-	-	32	97	-	136	
54		-	50	-	-	-	-	-	-	-	-	-	-	-	-	50	272	-	205	
57		-	51	-	-	-	-	-	-	-	-	-	-	-	-	51	292	-	243	
60		-	55	-	-	-	-	-	-	-	-	-	-	-	-	55	149	-	188	
63		-	48	3	1	-	-	-	-	-	-	-	-	-	-	52	66	-	114	
66		-	19	-	1	-	-	-	-	-	-	-	-	-	-	20	21	-	29	
69		-	8	1	2	4	-	1	-	-	-	-	-	-	-	16	13	-	9	
72		-	1	2	2	3	-	-	-	-	-	-	-	-	-	8	7	-	5	
75		-	-	-	-	7	-	-	-	-	-	-	-	-	-	7	6	-	1	
78		-	-	-	-	5	-	-	1	-	-	-	-	-	-	6	9	-	6	
81		-	-	-	1	1	-	-	-	-	-	-	-	-	-	2	9	-	2	
84		-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	-	-	
87		-	-	-	-	1	-	1	-	-	-	-	-	-	-	2	8	-	2	
90		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	
93		-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	3	-	-	
96		-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	-	-	
99		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
105		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
108		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
111		-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	
Total No. of Ages Read		2	277	6	7	22	-	3	-	1	-	-	-	1	-	1	320	1000	-	1000
Serial Numbers 30, 36		No. of Age Samples 2															389	-	486	
X		Number of fish measured each month															59.4	-	58.4	
		Mean length of fish (cm) each month															-	-	-	
		Mean weight of fish (kg) each month															26	-	45	
		Total weight caught or landed (tons) each month															17524	-	30485	
		Estimated number caught or landed (whole numbers) each month															-	-	-	
		Range of depths (m) each month															110	-	110	
Mesh size (mm)																				

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total
Jul	11	928	4	3	31	-	15	-	-	-	-	-	5	-	3	1000
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	961	12	12	12	-	-	-	3	-	-	-	-	-	-	1000

TABLE 35
(cont'd)

AGE/LENGTH TABLE - COD - 1F - 1966 (4th QUARTER)

GEAR		Otter Trawl (Commercial)																	
CATCHES OR LANDINGS		Landings																	
COUNTRY		Germany, Federal Republic																	
TONNAGE		500-900																	
STRUCTURES USED IN AGE DETERMINATION		Otoliths																	
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
																	Months Within Quarter	Oct	Nov
45		1	3	2	-	-	-	-	-	-	-	-	-	-	6	-	-	10	
48		-	4	4	-	-	-	-	-	-	-	-	-	-	8	14	13	11	
51		-	6	27	-	-	-	-	-	-	-	-	-	-	33	35	35	62	
54		-	3	67	-	-	-	-	-	-	-	-	-	-	70	87	178	110	
57		-	1	119	-	-	-	-	-	-	-	-	-	-	120	166	277	186	
60		-	2	134	1	-	-	-	-	-	-	-	-	-	137	225	241	229	
63		-	-	107	1	-	1	-	-	-	-	-	-	-	109	210	167	153	
66		-	-	69	4	3	-	-	-	-	-	-	-	-	76	145	51	93	
69		-	-	27	4	1	-	-	-	-	-	-	-	-	32	46	24	32	
72		-	-	7	1	1	7	1	-	-	-	-	-	-	17	24	8	13	
75		-	-	-	-	2	8	-	-	-	-	-	-	-	10	20	4	21	
78		-	-	-	-	-	10	3	3	-	-	-	1	-	17	15	-	22	
81		-	-	-	1	2	16	2	3	-	-	2	-	-	26	9	2	25	
84		-	-	-	-	-	10	5	3	-	-	-	-	-	18	4	-	21	
87		-	-	-	-	-	3	1	4	-	-	-	-	-	8	-	-	6	
90		-	-	-	-	-	4	2	2	-	-	-	-	-	8	-	-	3	
93		-	-	-	-	-	2	1	1	-	-	-	-	-	4	-	-	1	
96		-	-	-	-	-	1	-	1	1	-	-	-	-	3	-	-	1	
99		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
105		-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	0	
108		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
111		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
114		-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	0	
Total No. of Ages Read		1	19	563	12	9	62	15	17	1	-	3	1	-	1	704	1000	1000	1000
Serial Numbers	38, 39, 44, 46	No. of Age Samples 4																	
	Number of fish measured each month															524	376	1038	
	Mean length of fish (cm) each month															63.1	60.4	63.0	
	Mean weight of fish (kg) each month															-	-	-	
	Total weight caught or landed (tons) each month															114	39	113	
	Estimated number caught or landed (whole numbers) each month															63922	25230	58694	
	Range of depths (m) each month															-	-	-	
Mesh size (mm)															110	110	110		

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total
Oct	-	22	866	37	15	56	4	-	-	-	-	-	-	-	1000
Nov	-	20	954	14	6	4	2	-	-	-	-	-	-	-	1000
Dec	2	38	844	3	9	69	14	17	1	-	1	1	-	1	1000

TABLE 35
(cont'd)AGE/LENGTH TABLE - COD - 1P¹ - 1966 (4th QUARTER)

GEAR		Otter Trawl (Research)																	CATCHES OR LANDINGS		
CATCHES OR LANDINGS		Catches																	COUNTRY		
COUNTRY		Germany, Federal Republic																	TONNAGE		
TONNAGE		1222																	STRUCTURES USED IN AGE DETERMINATION		
STRUCTURES USED IN AGE DETERMINATION		Otoliths																	LENGTH COMPOSITION PER MILLE		
Length Group (3 cm)	Age	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total No. of Ages Read	Months Within Quarter		
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		Oct ²	Oct ³	-
21		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	0	-
24		7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	3	5	-
27		28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	5	14	-
30		7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	12	17	-
33		-	11	2	-	-	-	-	-	-	-	-	-	-	-	-	-	13	37	45	-
36		-	15	3	-	-	-	-	-	-	-	-	-	-	-	-	-	18	103	111	-
39		-	14	10	1	-	-	-	-	-	-	-	-	-	-	-	-	25	125	133	-
42		-	4	21	2	-	-	-	-	-	-	-	-	-	-	-	-	27	136	124	-
45		-	1	20	7	-	-	-	-	-	-	-	-	-	-	-	-	28	146	119	-
48		-	1	9	17	-	-	-	-	-	-	-	-	-	-	-	-	27	108	101	-
51		-	-	5	17	-	-	-	-	-	-	-	-	-	-	-	-	22	87	82	-
54		-	-	1	28	-	-	-	-	-	-	-	-	-	-	-	-	29	74	78	-
57		-	-	1	41	-	-	-	-	-	-	-	-	-	-	-	-	42	56	70	-
60		-	-	-	49	-	-	-	-	-	-	-	-	-	-	-	-	49	41	53	-
63		-	-	-	33	-	2	-	-	-	-	-	-	-	-	-	-	35	25	26	-
66		-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	20	21	12	-
69		-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	4	5	6	-
72		-	-	-	1	2	1	1	-	1	-	-	-	-	-	-	-	6	6	1	-
75		-	-	-	-	-	1	4	1	-	-	-	-	-	-	-	-	6	4	1	-
78		-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	5	2	1	-
81		-	-	-	-	-	1	5	1	1	-	-	1	-	-	-	1	10	-	1	-
84		-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	3	1	-	-
87		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	2	-	-
90		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Total No. of Ages Read		44	54	72	219	3	6	17	3	3	-	-	1	-	1	-	1	424	1000	1000	-
Serial Numbers - Factory Trawler and Anton Dohrn																	No. of Age Samples 1				
X	Number of fish measured each month																710	12063	-		
	Mean length of fish (cm) each month																48.0	46.8	-		
	Mean weight of fish (kg) each month																-	-	-		
	Total weight caught or landed (tons) each month																-	-	-		
	Estimated number caught or landed (whole numbers) each month																-	-	-		
	Range of depths (m) each month																-	-	-		
Mesh size (mm)																~80	60	-			

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total
Oct ²	13	223	343	404	3	3	8	0	2	-	-	0	-	1	-	0	1000
Oct ³	27	241	318	407	3	1	3	0	0	-	-	0	-	-	-	0	1000
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- 1 Thorwaldeen
- 2 Factory Trawler
- 3 Anton Dohrn

TABLE 37

AGE/LENGTH TABLE - COD - EAST GREENLAND¹ - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)															
CATCHES OR LANDINGS		Landings															
COUNTRY		Germany, Federal Republic															
TONNAGE		653															
STRUCTURES USED IN AGE DETERMINATION		Otoliths															
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
		Months Within Quarter			Jan	Feb	Mar										
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
51	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4	-
54	1	2	-	-	-	-	-	-	-	-	-	-	3	-	-	9	-
57	1	1	-	-	-	-	-	-	-	-	-	-	2	-	-	10	-
60	-	5	-	-	-	-	1	-	-	-	-	-	6	-	-	22	-
63	-	6	-	-	-	1	-	-	-	-	-	-	7	-	-	13	-
66	1	1	1	1	1	-	-	-	-	-	-	-	5	-	-	20	-
69	-	4	1	-	1	-	-	-	-	-	-	-	6	-	-	21	-
72	-	1	-	2	6	-	-	-	-	-	-	-	9	-	-	39	-
75	-	-	-	-	10	1	-	-	-	-	-	-	11	-	-	63	-
78	-	-	3	-	10	2	2	-	-	-	-	-	17	-	-	101	-
81	-	-	-	2	6	6	3	-	-	-	-	-	17	-	-	155	-
84	-	-	-	-	8	4	11	-	-	-	-	-	23	-	-	163	-
87	-	-	-	-	4	3	5	-	-	-	-	-	12	-	-	106	-
90	-	-	-	-	4	3	7	-	-	-	-	-	14	-	-	97	-
93	-	-	-	-	1	2	5	-	-	-	-	-	8	-	-	76	-
96	-	-	-	-	2	1	4	-	-	-	-	1	8	-	-	64	-
99	-	-	-	-	1	-	2	-	-	-	-	-	3	-	-	16	-
102	-	-	-	-	1	-	1	-	-	-	-	-	2	-	-	12	-
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
108	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	4	-
Total No. of Ages Read		4	20	5	5	56	23	41	-	-	-	1	155	- 1000 -			
Serial Numbers	6	No. of Age Samples											1				
X		Number of fish measured each month												-	364	-	
		Mean length of fish (cm) each month												-	84.2	-	
		Mean weight of fish (kg) each month												-	-	-	
		Total weight caught or landed (tons) each month												-	52	-	
		Estimated number caught or landed (whole numbers) each month												-	11218	-	
		Range of depths (m) each month												-	-	-	
		Mesh size (mm)												-	110	-	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	14	Total
Jan	-	-	-	-	-	-	-	-	-	-	-	-
Feb	17	61	26	30	365	179	314	-	-	-	8	1000
Mar	-	-	-	-	-	-	-	-	-	-	-	-

¹ Dohrn Bank

TABLE 37
(cont'd)AGE/LENGTH TABLE - COD - EAST GREENLAND¹ - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)																				Total					
CATCHES OR LANDINGS		Landings																				No. of					
COUNTRY		Germany, Federal Republic																				Ages					
TONNAGE		649																				Read					
STRUCTURES USED IN AGE DETERMINATION		Otoliths																				LENGTH COMPOSITION					
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Total No. of Ages Read	PER MILLE						
																					Months Within Quarter						
																			Apr			May			Jun		
51		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-				
54		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	-				
57		1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	9	-				
60		-	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	18	-				
63		-	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	18	-				
66		-	6	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	15	-				
69		-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	32	-				
72		-	1	1	2	6	-	1	-	-	1	-	-	-	-	-	-	-	-	12	-	59	-				
75		-	1	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	52	-				
78		-	-	1	1	15	1	-	-	-	-	-	-	-	-	-	-	-	-	18	-	120	-				
81		-	-	-	1	15	5	1	-	-	-	-	-	-	-	-	-	-	-	22	-	164	-				
84		-	-	-	-	17	6	4	-	-	-	-	-	-	-	-	-	-	-	27	-	188	-				
87		-	-	-	-	5	5	3	1	-	-	-	-	-	-	-	-	-	-	14	-	113	-				
90		-	-	-	1	7	2	5	-	-	-	-	-	-	-	-	-	-	-	15	-	126	-				
93		-	-	-	-	4	1	1	-	-	-	-	-	-	-	-	-	-	-	6	-	37	-				
96		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	11	-				
99		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-				
102		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	11	-				
105		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	11	-				
Total No. of Ages Read		3	19	4	6	81	20	15	1	-	1	-	-	-	-	-	-	-	1	151	- 1000 -						
Serial Numbers		25																						No. of Age Samples			1
X		Number of fish measured each month																			-	414	-				
		Mean length of fish (cm) each month																			-	83.2	-				
		Mean weight of fish (kg) each month																			-	-	-				
		Total weight caught or landed (tons) each month																			-	125	-				
		Estimated number caught or landed (whole numbers) each month																			-	30043	-				
		Range of depths (m) each month																			-	-	-				
Mesh size (mm)																					-	110	-				

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Total
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	10	62	20	41	582	150	112	7	-	5	-	-	-	-	-	-	-	11	1000
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ Dohrn Bank

TABLE 37
(cont'd)AGE/LENGTH TABLE - COD - EAST GREENLAND¹- 1966 (3rd QUARTER)

GEAR		Otter Trawl (Commercial)														Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Landings															Months Within Quarter		
COUNTRY		Germany, Federal Republic																	
TONNAGE		565																	
STRUCTURES USED IN AGE DETERMINATION		Otoliths																	
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total No. of Ages Read	PER MILLE		
																	Jul	Aug	Sep
39	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
45	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	27	-
48	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	20	-
51	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	8	-
54	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	12	-
57	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	16	-
60	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	4	-	20	-
63	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3	-	26	-
66	-	-	1	3	-	1	-	-	-	-	-	-	-	-	-	5	-	19	-
69	-	-	1	-	2	1	-	-	-	-	-	-	-	-	-	4	-	26	-
72	-	-	2	1	1	3	1	-	-	-	-	-	-	-	-	8	-	29	-
75	-	-	-	1	1	7	-	2	-	-	-	-	-	-	-	10	-	63	-
78	-	-	-	1	1	13	2	1	-	-	-	-	-	-	-	15	-	89	-
81	-	-	-	-	-	12	2	1	-	-	-	-	-	-	-	15	-	120	-
84	-	-	-	-	-	7	-	2	-	-	-	-	-	-	-	9	-	77	-
87	-	-	-	-	1	3	1	4	1	-	-	-	-	-	-	10	-	109	-
90	-	-	-	-	1	1	5	5	-	-	-	-	-	-	-	12	-	101	-
93	-	-	-	-	-	3	1	4	-	-	-	1	-	-	-	9	-	82	-
96	-	-	-	-	-	-	2	1	1	-	1	-	-	-	-	5	-	62	-
99	-	-	-	-	1	-	-	4	-	-	2	-	-	-	-	7	-	58	-
102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-
105	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	8	-
108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	8	-
Total No. of Ages Read		11	5	11	6	7	51	12	23	3	-	3	1	-	1	134	1000		
Serial Numbers		34														No. of Age Samples			1
X		Number of fish measured each month														-	373	-	
		Mean length of fish (cm) each month														-	82.6	-	
		Mean weight of fish (kg) each month														-	-	-	
		Total weight caught or landed (tons) each month														-	40	-	
		Estimated number caught or landed (whole numbers) each month														-	8983	-	
		Range of depths (m) each month														-	-	-	
		Mesh size (mm)														-	110	-	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	63	22	69	27	51	365	107	220	31	-	28	9	-	8	1000
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ Dohrn Bank

TABLE 37
(cont'd)AGE/LENGTH TABLE - COD - EAST GREENLAND¹ - 1966 (4th QUARTER)

GEAR		Otter Trawl (Commercial)														
CATCHES OR LANDINGS		Landings														
COUNTRY		Germany, Federal Republic														
TONNAGE		565														
STRUCTURES USED IN AGE DETERMINATION		Otoliths														
Length Group (3 cm)	Age	5	6	7	8	9	10	11	12	13	14	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
													Months Within Quarter			
													Oct	Nov	Dec	
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
63	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-	4
66	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-	12
69	7	1	-	-	-	-	-	-	-	-	-	8	-	-	-	19
72	8	-	-	-	-	-	-	-	-	-	-	8	-	-	-	46
75	1	2	2	3	1	-	-	-	-	-	-	9	-	-	-	56
78	3	1	1	3	2	-	-	-	-	-	-	10	-	-	-	45
81	-	2	1	10	-	-	-	-	-	-	-	13	-	-	-	120
84	-	1	-	5	2	1	-	-	-	-	-	9	-	-	-	105
87	-	-	-	8	4	3	-	-	-	-	-	15	-	-	-	128
90	-	-	-	12	-	3	1	-	-	-	-	16	-	-	-	164
93	-	-	1	5	1	8	-	-	-	-	-	15	-	-	-	98
96	-	-	1	4	2	2	-	-	-	-	-	9	-	-	-	103
99	-	-	-	2	1	2	-	-	-	-	-	5	-	-	-	51
102	-	-	-	1	-	1	-	-	-	-	1	3	-	-	-	26
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
108	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	5
111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Total No. of Ages Read		24	7	6	53	13	20	1	-	1	1	126				1000
Serial Numbers		43											No. of Age Samples			1
X		Number of fish measured each month											-	-	274	
		Mean length of fish (cm) each month											-	-	88.3	
		Mean weight of fish (kg) each month											-	-	-	
		Total weight caught or landed (tons) each month											-	-	73	
		Estimated number caught or landed (whole numbers) each month											-	-	13435	
		Range of depths (m) each month											-	-	-	
		Mesh size (mm)											-	-	110	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	5	6	7	8	9	10	11	12	13	14	Total
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	101	49	44	482	112	174	10	-	10	18	1000

¹ Dohrn Bank

TABLE 38

AGE/LENGTH TABLE - COD - 2G - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)																		Total No. of Ages Read	LENGTH COMPOSITION PER MILLE				
CATCHES OR LANDINGS		Catches Before Discarding																			Months Within Quarter				
COUNTRY		Portugal																		Apr	May	Jun			
TONNAGE		1,284.21																							
STRUCTURES USED IN AGE DETERMINATION		Otoliths																							
Length Group (3 cm)	Age	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	364	1000				
39		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	
42		1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	21	-	-
45		2	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	46	-	-
48		1	5	14	4	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	64	-	-
51		-	3	16	9	11	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	46	114	-	-
54		-	-	7	10	24	14	3	4	4	1	-	-	-	-	-	-	-	-	-	-	67	169	-	-
57		-	-	2	5	12	9	4	9	4	2	4	1	-	-	-	-	-	-	-	-	52	134	-	-
60		-	-	-	3	9	11	4	10	8	5	1	1	-	-	-	-	-	-	-	-	52	155	-	-
63		-	-	-	3	6	4	3	6	4	3	1	4	-	-	-	-	-	-	-	-	34	100	-	-
66		-	-	-	-	3	5	4	2	4	1	1	3	1	-	-	-	-	-	-	-	24	75	-	-
69		-	-	-	1	2	3	4	2	1	2	5	2	2	-	-	-	-	-	-	-	24	60	-	-
72		-	-	-	-	2	-	-	3	1	-	2	1	1	-	-	-	-	-	-	-	10	30	-	-
75		-	-	-	-	-	-	-	1	-	-	4	-	-	-	-	-	-	-	-	-	5	11	-	-
78		-	-	-	-	-	-	-	1	2	-	-	-	1	-	-	-	-	-	-	-	4	5	-	-
81		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	5	-	-
84		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
87		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
90		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
93		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
99		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
105		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	
Total No. of Ages Read		4	13	44	35	75	50	26	39	27	14	18	13	4	-	1	-	-	1	364					
Serial Numbers	Lengths only 10																		No. of Age Samples ¹						
Number of fish measured each month																				983	-	-			
Mean length of fish (cm) each month																				58.7	-	-			
Mean weight of fish (kg) each month																				-	-	-			
Total weight caught or landed (tons) each month																				586	-	-			
Estimated number caught or landed (whole numbers) each month																				-	-	-			
Range of depths (m) each month																				295-320	-	-			
Mesh size (mm)																				114	-	-			

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	Total
Apr	18	43	117	89	196	136	69	106	76	40	47	36	11	-	5	-	-	1	990
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ with lengths 8, 9, 11, 12, 13

TABLE 39

AGE/LENGTH TABLE - COD - 2H - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)											
CATCHES OR LANDINGS		Catches Before Discarding											
COUNTRY		Portugal											
TONNAGE		1,284.21											
STRUCTURES USED IN AGE DETERMINATION		Otoliths											
Length Group (3 cm)	Age	5	6	7	8	9	10	11	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
										Jan	Feb	Mar	
39	-	2	-	-	-	-	-	-	2	-	-	13	
42	3	1	-	-	-	-	-	-	4	-	-	40	
45	3	4	3	-	-	-	-	-	10	-	-	87	
48	-	2	9	1	-	-	-	-	12	-	-	246	
51	-	1	8	-	-	2	-	-	11	-	-	206	
54	-	1	2	7	1	1	1	-	12	-	-	127	
57	-	1	5	3	3	3	1	-	13	-	-	127	
60	-	-	2	2	1	-	-	1	6	-	-	60	
63	-	-	-	2	5	2	-	-	9	-	-	67	
66	-	-	-	1	-	-	-	1	2	-	-	13	
69	-	-	-	-	-	-	-	-	-	-	-	-	
72	-	-	-	-	-	-	-	-	-	-	-	-	
75	-	-	-	-	-	-	-	1	1	-	-	7	
78	-	-	-	-	-	-	-	-	-	-	-	-	
81	-	-	-	-	-	-	-	1	1	-	-	7	
										-	-	1000	
Total No. of Ages Read		6	12	29	16	12	4	4	83	X			
Serial Numbers - Lengths only		No. of Age Samples with lengths 4,5											
X		Number of fish measured each month									-	-	150
		Mean length of fish (cm) each month									-	-	53.3
		Mean weight of fish (kg) each month									-	-	-
		Total weight caught or landed (tons) each month									-	-	3211
		Estimated number caught or landed (whole numbers) each month									-	-	-
		Range of depths (m) each month									-	-	270-340
		Mesh size (mm)									-	-	114

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	5	6	7	8	9	10	11	Total
Jan	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-
Mar	56	138	450	165	125	35	31	1000

TABLE 39
(cont'd)

AGE/LENGTH TABLE - COD - 2H - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)																				Total No. of Ages Read					
CATCHES OR LANDINGS		Catches Before Discarding																									
COUNTRY		Portugal																									
TONNAGE		1,284.21																									
STRUCTURES USED IN AGE DETERMINATION		Otoliths																									
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE					
																						Months Within Quarter					
																			Apr			May			Jun		
24	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	8	-			
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
30	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6	-	-			
33	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	32	-			
36	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	8	24	-			
39	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	24	16	-			
42	-	-	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	40	8	-			
45	-	-	4	5	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	17	60	8	-			
48	-	-	3	7	17	11	9	2	-	-	-	-	-	-	-	-	-	-	-	-	49	122	88	-			
51	-	-	-	6	25	25	13	4	1	-	-	-	-	-	-	-	-	-	-	-	74	171	88	-			
54	-	-	-	1	17	14	34	14	2	3	1	-	1	-	-	-	-	-	-	-	87	189	168	-			
57	-	-	-	1	1	10	20	2	4	1	6	4	-	-	-	-	-	-	-	-	49	107	144	-			
60	-	-	-	-	3	7	13	7	3	-	4	2	-	1	-	-	-	-	-	1	41	95	136	-			
63	-	-	-	-	-	3	6	5	4	2	2	-	3	1	-	-	-	-	-	-	26	78	72	-			
66	-	-	-	-	-	5	2	8	2	1	-	-	1	-	1	-	-	-	-	-	20	47	104	-			
69	-	-	-	-	-	2	1	-	1	3	2	-	2	1	-	1	-	-	-	-	13	24	56	-			
72	-	-	-	-	-	-	1	1	2	1	-	-	-	2	-	-	-	-	-	1	8	11	32	-			
75	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	1	-	-	-	4	8	8	-			
78	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	8	-			
81	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	3	-	-			
84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-			
Total No. of Ages Read		2	7	19	21	70	77	102	43	19	13	16	6	7	5	1	1	1	-	2	412	1000 1000 -					
Serial Numbers		Lengths only 15															No. of Age Samples ¹										
X		Number of fish measured each month																			861	125	-				
		Mean length of fish (cm) each month																			55.0	57.4	-				
		Mean weight of fish (kg) each month																			-	-	-				
		Total weight caught or landed (tons) each month																			1383	2604	-				
		Estimated number caught or landed (whole numbers) each month																			-	-	-				
		Range of depths (m) each month																			395-460	310-350	-				
		Mesh size (mm)																			114	114	-				

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Total	
Apr	8	21	73	58	171	178	234	100	44	26	37	13	17	10	2	2	2	-	3	999	
May	8	54	32	28	109	172	240	124	61	47	47	18	24	18	5	4	2	-	7	1000	
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ with lengths 14, 16, 18, 19, 20, 22

TABLE 39
(cont'd)

AGE/LENGTH TABLE - COD - 2H - 1966 (4th QUARTER)

GEAR		Otter Trawl (Research)															Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Catches																Months Within Quarter		
COUNTRY		USSR																		
TONNAGE		1800																		
STRUCTURES USED IN AGE DETERMINATION		Otoliths																		
Length Group (3 cm)	Age	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Oct	Nov	Dec		
		27	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
30	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6		
33	-	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	17	26		
36	-	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-	31	48		
39	-	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	57	64		
42	-	12	39	10	-	-	-	-	-	-	-	-	-	-	-	-	100	102		
45	-	9	73	19	-	-	-	-	-	-	-	-	-	-	-	-	143	130		
48	-	5	47	43	12	-	-	-	-	-	-	-	-	-	-	-	152	128		
51	-	1	19	40	16	6	-	-	-	-	-	-	-	-	-	-	135	113		
54	-	-	7	34	42	21	14	3	-	-	-	-	-	-	-	-	115	124		
57	-	-	2	10	36	21	16	10	1	1	1	-	-	-	-	-	86	81		
60	-	-	1	9	15	28	31	11	9	2	1	-	1	-	-	-	78	83		
63	-	-	-	2	9	11	25	10	4	3	3	-	-	-	-	-	38	45		
66	-	-	-	-	2	8	13	11	3	3	4	1	1	1	-	-	21	27		
69	-	-	-	-	2	1	10	13	4	1	2	1	-	1	-	-	15	14		
72	-	-	-	-	-	1	-	1	-	2	1	-	-	-	-	-	3	5		
75	-	-	-	-	-	-	2	1	-	-	1	-	1	1	-	-	1	3		
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		
Total No. of Ages Read		2	65	210	167	134	97	111	60	21	12	13	2	3	3	900	X			
Serial Numbers		No. of Age Samples 3																		
X	Number of fish measured each month																-	8668	10344	
	Mean length of fish (cm) each month																-	50.98	50.86	
	Mean weight of fish (kg) each month																-	1.564	1.877	
	Total weight caught or landed (tons) each month																-	56	460	
	Estimated number caught or landed (whole numbers) each month																-	35806	245072	
	Range of depths (m) each month																-	115-150	125-195	
	Mesh size (mm)																-	110	110	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov	4	108	316	219	133	79	73	38	13	6	8	1	1	1	1000
Dec	4	131	299	199	129	82	80	39	15	9	9	1	2	1	1000

TABLE 40

AGE/LENGTH TABLE - COD - 2J - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)											
CATCHES OR LANDINGS		Catches Before Discarding											
COUNTRY		Portugal											
TONNAGE		1,284.21											
STRUCTURES USED IN AGE DETERMINATION		Otoliths											
Length Group (3 cm)	Age	4	5	6	7	8	9	10	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
										Months Within Quarter			
										Jan	Feb	Mar	
39	-	-	1	-	-	-	-	-	1	-	-	5	
42	1	2	2	-	-	-	-	-	5	-	-	59	
45	-	-	1	1	2	-	-	-	4	-	-	80	
48	-	-	5	3	1	-	-	-	9	-	-	208	
51	-	1	3	3	3	-	-	-	10	-	-	131	
54	-	-	6	3	-	-	-	-	9	-	-	133	
57	-	-	2	8	-	-	-	-	10	-	-	120	
60	-	-	-	2	2	1	-	-	5	-	-	128	
63	-	-	-	-	-	-	-	-	-	-	-	51	
66	-	-	-	3	1	2	-	-	6	-	-	53	
69	-	-	-	-	1	1	1	-	3	-	-	24	
72	-	-	-	-	-	-	-	-	-	-	-	3	
75	-	-	-	-	-	-	-	-	-	-	-	5	
										-	-	1000	
Total No. of Ages Read		1	4	19	23	10	4	1	62	X			
Serial Numbers - Lengths only 2										No. of Age Samples with lengths 1,3			
X										Number of fish measured each month	-	-	375
										Mean length of fish (cm) each month	-	-	54.6
										Mean weight of fish (kg) each month	-	-	-
										Total weight caught or landed (tons) each month	-	-	3504
										Estimated number caught or landed (whole numbers) each month	-	-	-
										Range of depths (m) each month	-	-	270-350
										Mesh size (mm)	-	-	114

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	Total
Jan	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-
Mar	12	42	311	347	170	51	8	941

TABLE 40
(cont'd)

AGE/LENGTH TABLE - COD - 2J - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)																						Total No. of Ages Read		LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Catches before Discarding																										
COUNTRY		Portugal																										
TONNAGE		1,284.21 in April, May and 1,710.09 in May, June																										
STRUCTURES USED IN AGE DETERMINATION		Otoliths																										
Length Group (3 cm)	Age	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	Total No. of Ages Read	Months Within Quarter				
		Apr	May	Jun																								
21	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	2		
24	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	8	11		
27	-	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	4	10	14		
30	-	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	9	15	18		
33	-	6	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	4	28	48		
36	-	-	36	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	9	49	76		
39	-	-	42	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	49	73	101		
42	-	1	16	56	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	71	101	96		
45	-	-	3	72	28	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114	71	125	96		
48	-	-	2	29	41	34	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115	111	116	123		
51	-	-	1	12	26	48	20	17	5	-	-	-	-	-	-	-	-	-	-	-	-	-	129	129	138	106		
54	-	-	-	2	16	47	21	37	10	1	2	1	-	-	-	-	-	-	-	-	-	-	137	200	114	116		
57	-	-	-	-	1	24	17	33	7	2	5	1	1	-	1	-	-	-	-	-	-	-	92	76	85	78		
60	-	-	-	-	1	8	10	24	4	5	-	6	2	1	3	-	-	-	-	-	-	-	64	71	60	50		
63	-	-	-	-	-	5	10	14	7	3	-	3	3	2	-	-	-	-	-	-	-	-	47	53	40	28		
66	-	-	-	-	-	2	5	8	3	1	1	1	1	2	1	-	-	-	1	-	-	-	26	62	14	17		
69	-	-	-	-	-	-	3	6	4	2	1	1	-	1	1	-	-	-	-	-	-	-	19	40	11	13		
72	-	-	-	-	-	-	-	3	1	-	1	-	-	1	-	-	1	-	-	-	-	-	7	9	6	-		
75	-	-	-	-	-	-	-	-	1	4	-	1	1	-	-	-	-	-	-	-	-	-	7	9	3	4		
78	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-	-	3	13	1	1		
81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1		
84	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	2	4	1	-		
87	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1		
90	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-		
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
102	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	4	-	-		
Total No. of Ages Read		1	36	117	204	120	180	92	146	45	19	11	14	9	7	7	-	1	-	1	-	1	1011					
Serial Numbers (Lengths only)	23,25,28,35	No. of Age Samples ¹																										
X	Number of fish measured each month																						225	1559	900			
	Mean length of fish (cm) each month																						54.6	49.6	48.2			
	Mean weight of fish (kg) each month																						-	-	-			
	Total weight caught or landed (tons) each month																						2828	18781	6978			
	Estimated number caught or landed (whole numbers) each month																						-	-	-			
	Range of depths (m) each month																						230-280	200-470	180-220			
Mesh size (mm)																						114	114	114				

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	Total
Apr	-	13	62	157	115	196	111	181	60	26	17	18	14	12	13	-	1	-	2	-	-	998
May	1	39	136	229	124	173	83	128	35	14	8	11	7	5	5	-	1	-	1	-	1	1001
Jun	1	54	188	222	112	157	74	113	33	12	7	10	6	4	5	-	1	-	1	-	1	1001

¹ with lengths 6, 21, 24, 26, 27, 29, 30, 32, 33, 34, 36

TABLE 40
(cont'd)

AGE/LENGTH TABLE - COD - 2J - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Research)														Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Catches															Months Within Quarter		
COUNTRY		USSR																	
TONNAGE		1800																	
STRUCTURES USED IN AGE DETERMINATION		Otoliths																	
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Apr	May	Jun	
		24	-	-	-	-	-	-	-	-	-	-	-	-	-				-
27	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	24	
30	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	46	
33	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	80	
36	-	30	5	1	-	-	-	-	-	-	-	-	-	-	-	-	83	144	
39	-	47	18	3	-	-	-	-	-	-	-	-	-	-	-	-	112	113	
42	-	21	57	12	-	1	-	-	-	-	-	-	-	-	-	-	144	114	
45	-	2	80	36	9	1	-	-	-	-	-	-	-	-	-	-	175	139	
48	-	-	16	42	21	1	-	1	-	-	-	-	-	-	-	-	104	85	
51	-	-	8	21	42	14	4	1	-	-	-	-	-	-	-	-	102	90	
54	-	-	-	4	20	15	7	2	-	-	-	-	-	-	-	-	88	72	
57	-	-	1	-	6	5	4	6	1	-	-	-	-	-	-	-	45	42	
60	-	-	-	-	3	1	2	6	-	-	-	-	-	-	-	-	32	24	
63	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	-	20	11	
66	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	12	7	
69	-	-	-	-	-	-	-	1	2	-	-	-	-	-	1	-	8	2	
72	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4	1	
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	
78	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3	-	
81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	
84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	
87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Total No. of Ages Read		5	106	185	119	101	39	20	18	4	1	1	-	-	1	600			
Serial Numbers		No. of Age Samples 2																	
X	Number of fish measured each month															-	7033	13365	
	Mean length of fish (cm) each month															-	47.68	44.35	
	Mean weight of fish (kg) each month															-	0.862	0.827	
	Total weight caught or landed (tons) each month															-	1553	7332	
	Estimated number caught or landed (whole numbers) each month															-	1801624	8865780	
	Range of depths (m) each month															-	90-195	72-125	
Mesh size (mm)															-	110	110		

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	18	223	275	162	146	67	46	41	9	6	6	-	-	2	1001
Jun	70	307	236	135	121	53	35	31	3	4	4	-	-	1	1000

TABLE 40
(cont'd)

AGE/LENGTH TABLE - COD - 2J - 1966 (4th QUARTER)

GEAR		Otter Trawl (Research)															
CATCHES OR LANDINGS		Catches															
COUNTRY		USSR															
TONNAGE		1800															
STRUCTURES USED IN AGE DETERMINATION		Otoliths															
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
														Months Within Quarter			
														Oct	Nov	Dec	
24		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
27		-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	1
30		-	-	-	-	-	-	-	-	-	-	-	-	-	18	27	6
33		-	2	1	-	-	-	-	-	-	-	-	-	3	30	58	27
36		2	11	3	-	-	-	-	-	-	-	-	-	16	46	81	52
39		5	16	13	1	-	-	-	-	-	-	-	-	35	57	91	94
42		3	13	28	7	1	-	-	-	-	-	-	-	52	86	118	155
45		2	7	37	22	2	1	-	-	-	-	-	-	71	131	121	177
48		1	1	29	49	12	2	-	-	-	-	-	-	94	115	108	160
51		-	1	9	45	18	2	1	1	2	-	-	-	79	123	87	110
54		-	-	3	26	31	19	4	1	-	-	-	-	84	133	95	93
57		-	-	-	5	25	29	8	-	-	-	-	-	67	82	72	54
60		-	-	-	5	18	19	6	3	1	-	-	-	52	74	61	39
63		-	-	-	2	5	12	3	2	-	-	-	-	24	48	37	14
66		-	-	-	-	1	6	2	4	2	-	1	-	16	26	22	8
69		-	-	-	-	-	2	-	2	-	-	1	-	5	14	10	6
72		-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2
75		-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	1
78		-	-	-	-	-	-	1	-	-	-	-	-	1	1	1	-
81		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
84		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
87		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Total No. of Ages Read		13	51	123	162	113	92	25	13	5	-	2	599				
Serial Numbers		No. of Age Samples 2															
X	Number of fish measured each month												5431	7552	5163		
	Mean length of fish (cm) each month												50.86	48.31	47.89		
	Mean weight of fish (kg) each month												-	1.570	1.318		
	Total weight caught or landed (tons) each month												315	222	470		
	Estimated number caught or landed (whole numbers) each month												-	141401	356601		
	Range of depths (m) each month												92-133	112-150	125-175		
Mesh size (mm)												110	110	110			

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	Total
Oct	25	120	215	251	171	145	37	25	7	-	4	1000
Nov	35	188	251	213	136	116	31	20	6	-	3	999
Dec	34	159	298	266	127	80	20	9	5	-	2	1000

TABLE 41

AGE/LENGTH TABLE - COD - 3K - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)																			Total		LENGTH COMPOSITION		
CATCHES OR LANDINGS		Catches Before Discarding																			No. of		PER MILLE		
COUNTRY		Portugal																			Ages		Months Within Quarter		
TONNAGE		1,710.09																			Read		Apr May Jun		
STRUCTURES USED IN AGE DETERMINATION		Otoliths																							
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total	PER MILLE				
																						Apr	May	Jun	
21		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-		
24		6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	29	-		
27		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	24	-		
30		3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	32	-		
33		-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	32	-		
36		1	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	59	-		
39		-	10	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	91	-		
42		-	13	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	103	-		
45		-	4	17	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	82	-		
48		-	2	15	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	115	-		
51		-	-	5	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	50	-		
54		-	-	1	13	8	1	2	-	-	-	-	-	-	-	-	-	-	-	25	-	103	-		
57		-	-	3	7	6	2	-	1	-	-	-	-	-	-	-	-	-	-	19	-	65	-		
60		-	-	-	2	2	5	7	-	-	-	-	-	-	-	-	-	-	-	16	-	65	-		
63		-	-	-	-	3	3	4	1	-	-	-	-	-	-	-	-	-	-	11	-	47	-		
66		-	-	-	1	-	3	-	1	1	-	-	-	-	-	-	-	-	-	6	-	21	-		
69		-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	6	-		
72		-	-	-	-	-	2	3	1	1	-	-	1	-	-	-	-	-	-	8	-	26	-		
75		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
78		-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	3	-	12	-		
81		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	2	-	6	-		
84		-	-	-	-	-	-	1	2	-	1	-	-	-	-	-	-	-	-	4	-	15	-		
87		-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	2	-	6	-		
90		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	3	-		
93		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
96		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
99		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	3	-		
102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
105		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	3	-		
Total No. of Ages Read		14	47	71	43	23	17	17	7	4	2	1	2	1	2	-	-	-	1	252	1001				
Serial Numbers - Lengths only		No. of Age Samples ¹																							
X	Number of fish measured each month																				-	340	-		
	Mean length of fish (cm) each month																				-	50.0	-		
	Mean weight of fish (kg) each month																				-	-	-		
	Total weight caught or landed (tons) each month																				-	3930	-		
	Estimated number caught or landed (whole numbers) each month																				-	-	-		
	Range of depths (m) each month																				-	215-350	-		
Mesh size (mm)																				-	114	-			

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	75	200	273	144	109	64	67	25	14	7	4	6	4	6	-	-	-	3	1001
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ with lengths 13, 14, 15

TABLE 41
(cont'd)

AGE/LENGTH TABLE - COD - 3K - 1966 (3rd QUARTER)

GEAR		Otter Trawl (Commercial)															
CATCHES OR LANDINGS		Catches Before Discarding															
COUNTRY		Portugal															
TONNAGE		1,264.06															
STRUCTURES USED IN AGE DETERMINATION		Otoliths															
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE				
													Months Within Quarter				
											Jul	Aug	Sep				
18		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
21		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
24		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
27		1	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12
30		1	3	-	-	-	-	-	-	-	-	-	-	-	-	29	24
33		4	-	-	-	-	-	-	-	-	-	-	-	-	-	20	16
36		1	4	-	-	-	-	-	-	-	-	-	-	-	-	49	35
39		-	9	1	-	-	-	-	-	-	-	-	-	-	-	74	31
42		1	9	-	-	-	-	-	-	-	-	-	-	-	-	88	63
45		-	8	2	-	-	-	-	-	-	-	-	-	-	-	97	110
48		-	5	5	-	-	-	-	-	-	-	-	-	-	-	111	74
51		-	-	5	4	1	-	-	-	-	-	-	-	-	-	128	98
54		-	-	3	6	-	-	1	-	-	-	-	-	-	-	94	153
57		-	-	3	3	3	1	-	-	-	-	-	-	-	-	97	141
60		-	-	-	7	2	1	-	-	-	-	-	-	-	-	66	94
63		-	-	-	3	4	-	2	-	-	-	-	-	-	-	49	67
66		-	-	-	1	2	2	1	-	-	-	-	-	-	-	26	24
69		-	-	-	-	1	-	-	-	-	-	-	-	-	-	26	12
72		-	-	-	-	-	1	1	-	-	-	-	-	-	-	23	8
75		-	-	-	-	-	1	-	-	-	-	-	-	-	-	6	4
78		-	-	-	-	1	1	-	-	-	-	1	-	-	-	3	8
81		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4
84		-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
87		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4
Total No. of Ages Read		8	38	19	24	14	9	5	-	-	1	118					
Serial Numbers Length only 17, 20													No. of Age Samples ¹				
X		Number of fish measured each month											-	350	255		
		Mean length of fish (cm) each month											-	51.1	52.3		
		Mean weight of fish (kg) each month											-	-	-		
		Total weight caught or landed (tons) each month											-	3289	1057		
		Estimated number caught or landed (whole numbers) each month											-	-	-		
		Range of depths (m) each month											-	195-230	195-330		
		Mesh size (mm)											-	114	114		

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	Total
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	57	340	204	204	113	43	36	-	-	1	997
Sep	47	256	199	266	123	50	38	-	-	3	982

¹ with lengths 16, 18, 19, 28, 37

TABLE 41
(cont'd)

AGE/LENGTH TABLE - COD - 3K - 1966 (4th QUARTER)

GEAR		Otter Trawl (Commercial)													Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Catches Before Discarding														Months Within Quarter	Oct	Nov
COUNTRY		Portugal																
TONNAGE		1,264.06																
STRUCTURES USED IN AGE DETERMINATION		Otoliths																
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	Total No. of Ages Read	MONTHS WITHIN QUARTER		
																	Oct	Nov
33	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	-
36	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	9	-	-
39	1	2	2	-	-	-	-	-	-	-	-	-	-	-	5	25	-	-
42	-	8	2	-	-	-	-	-	-	-	-	-	-	-	10	52	-	-
45	-	5	5	-	-	-	-	-	-	-	-	-	-	-	10	70	-	-
48	-	1	9	-	-	-	-	-	-	-	-	-	-	-	10	109	-	-
51	-	-	7	2	1	-	-	-	-	-	-	-	-	-	10	105	-	-
54	-	1	4	5	-	-	-	-	-	-	-	-	-	-	10	113	-	-
57	-	-	4	3	1	1	1	1	-	-	-	-	-	-	10	163	-	-
60	-	-	-	3	4	2	1	-	-	-	-	-	-	-	10	137	-	-
63	-	-	-	4	5	1	-	-	-	-	-	-	-	-	10	83	-	-
66	-	-	-	2	3	-	2	2	1	-	-	-	-	-	10	56	-	-
69	-	-	-	-	3	3	3	1	-	-	-	-	-	-	10	32	-	-
72	-	-	-	-	-	3	-	-	1	-	-	-	-	-	4	20	-	-
75	-	-	-	-	-	2	2	1	-	-	-	-	-	-	5	13	-	-
78	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2	4	-	-
81	-	-	-	-	-	1	-	1	-	1	-	-	-	-	3	5	-	-
84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-
Total No. of Ages Read															123	1001		
Serial Numbers		Lengths only - 44,49										No. of Age Samples ¹						
X		Number of fish measured each month													790	-	-	
		Mean length of fish (cm) each month													56.3	-	-	
		Mean weight of fish (kg) each month													-	-	-	
		Total weight caught or landed (tons) each month													1622	-	-	
		Estimated number caught or landed (whole numbers) each month													-	-	-	
		Range of depths (m) each month													200-350	-	-	
		Mesh size (mm)													114	-	-	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Oct	14	113	337	212	149	83	58	19	13	2	-	-	1	1001
Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ with lengths 41, 42, 43, 46, 47

TABLE 42

AGE/LENGTH TABLE - COD - 3L - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)											Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Catches Before Discarding												Months Within Quarter		
COUNTRY		Portugal														
TONNAGE		1,284.21														
STRUCTURES USED IN AGE DETERMINATION		Otoliths														
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	Jan	Feb	Mar	
		27	1	-	-	-	-	-	-	-	-	-	-	1	-	-
30	4	2	-	-	-	-	-	-	-	-	-	6	-	-	20	
33	-	6	-	-	-	-	-	-	-	-	-	6	-	-	31	
36	-	5	-	-	-	-	-	-	-	-	-	5	-	-	45	
39	-	4	6	-	-	-	-	-	-	-	-	10	-	-	88	
42	-	4	5	1	-	-	-	-	-	-	-	10	-	-	116	
45	-	2	9	1	-	-	-	-	-	-	-	12	-	-	96	
48	-	-	9	4	1	-	-	-	-	-	-	14	-	-	114	
51	-	-	4	6	1	-	-	-	-	-	-	11	-	-	88	
54	-	-	2	6	2	-	-	-	-	-	-	10	-	-	100	
57	-	-	1	3	2	2	-	-	-	-	-	8	-	-	47	
60	-	-	-	2	4	1	-	-	-	-	-	7	-	-	59	
63	-	-	-	1	3	3	-	-	-	-	-	7	-	-	51	
66	-	-	-	1	4	1	-	-	-	-	-	6	-	-	29	
69	-	-	-	-	2	4	-	-	-	-	-	6	-	-	41	
72	-	-	-	-	3	1	-	-	-	-	-	4	-	-	18	
75	-	-	-	-	-	2	-	-	-	-	-	2	-	-	22	
78	-	-	-	-	-	1	1	1	-	-	-	3	-	-	14	
81	-	-	-	-	-	-	-	-	2	-	-	2	-	-	6	
84	-	-	-	-	-	-	1	1	-	1	-	2	-	-	4	
87	-	-	-	-	-	1	-	-	-	-	-	1	-	-	4	
90	-	-	-	-	-	-	-	-	-	-	1	1	-	-	4	
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
Total No. of Ages Read		5	23	36	25	22	16	2	3	1	1	1	135	1001		
Serial Numbers		Lengths only 3											No. of Age Samples with lengths 1,2,4			
X		Number of fish measured each month											-	-	491	
		Mean length of fish (cm) each month											-	-	52.2	
		Mean weight of fish (kg) each month											-	-	-	
		Total weight caught or landed (tons) each month											-	-	3294	
		Estimated number caught or landed (whole numbers) each month											-	-	-	
		Range of depths (m) each month											-	-	180-210	
		Mesh size (mm)											-	-	114	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	9	10	11	12	13	Total
Jan	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-
Mar	15	180	314	207	150	109	7	11	2	2	2	999

TABLE 42
(cont'd)

AGE/LENGTH TABLE - COD - 3L - 1966 (3rd QUARTER)

GEAR		Otter Trawl (Commercial)																		Total No. of Ages Read	LENGTH COMPOSITION PER MILE		
CATCHES OR LANDINGS		Catches Before Discarding																			Months Within Quarter		
COUNTRY		Portugal																					
TONNAGE		1,264.06																					
STRUCTURES USED IN AGE DETERMINATION		Otoliths																					
length Group (3 cm)	Age	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total No. of Ages Read	PER MILE		
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		Jul	Aug	Sep
21	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
24	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	
30	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	11	
33	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	22	
36	-	2	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	28	
39	-	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	72	
42	-	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	107	
45	-	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	153	
48	-	-	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	170	
51	-	-	1	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	114	
54	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	92	
57	-	-	-	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	68	
60	-	-	-	2	7	1	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	52	
63	-	-	-	3	3	3	-	1	-	-	-	-	-	-	-	-	-	-	10	-	-	38	
66	-	-	-	-	4	4	1	-	-	-	-	-	-	-	-	-	-	-	9	-	-	18	
69	-	-	-	-	-	7	3	-	-	-	-	-	-	-	-	-	-	-	10	-	-	16	
72	-	-	-	-	1	2	6	-	-	-	-	-	-	-	-	-	-	-	9	-	-	12	
75	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	3	-	-	6	
78	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	3	-	-	5	
81	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	2	-	-	3	
84	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	2	
87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
Total No. of Ages Read		4	14	39	35	20	20	13	3	1	1	-	-	-	-	-	-	-	2	152	1000		
Serial Numbers lengths only 26, 31, 33, 35		No. of Age Samples ¹																					
X		Number of fish measured each month																		-	-	1410	
		Mean length of fish (cm) each month																		-	-	50.7	
		Mean weight of fish (kg) each month																		-	-	-	
		Total weight caught or landed (tons) each month																		-	-	5992	
		Estimated number caught or landed (whole numbers) each month																		-	-	-	
		Range of depths (m) each month																		-	-	210-320	
Mesh size (mm)																				-	-	114	

AGE COMPOSITIONS OF LANDINGS (PER MILE)

Month	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	8	70	394	344	96	49	20	8	1	1	-	-	-	-	-	-	-	2	993

¹ with lengths 22, 23, 24, 25, 29, 30, 32, 34, 38

TABLE 42
(cont'd)

AGE/LENGTH TABLE - COD - 3L - 1966 (4th QUARTER)

GEAR		Otter Trawl (Commercial)																				Total	LENGTH COMPOSITION		
CATCHES OR LANDINGS		Catches Before Discarding																				No. of	PER MILLE		
COUNTRY		Portugal																				Ages	Months Within Quarter		
TONNAGE		1,264.06																				Read			
STRUCTURES USED IN AGE DETERMINATION		Otoliths																							
Length Group (3 cm)	Age	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20						
																						Oct	Nov	Dec	
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	10	10	-	
36	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	13	15	-	
39	3	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	38	18	-	
42	-	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	50	35	-	
45	1	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	115	59	-	
48	-	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	140	78	-	
51	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	130	106	-	
54	-	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	120	138	-	
57	-	2	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	135	116	-	
60	-	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	65	95	-	
63	-	-	2	2	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	78	82	-	
66	-	-	-	2	3	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	10	35	73	-	
69	-	-	-	3	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	20	34	-	
72	-	-	-	-	4	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	10	13	50	-	
75	-	-	-	-	4	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	10	8	27	-	
78	-	-	-	-	4	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	10	5	26	-	
81	-	-	-	-	1	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	9	3	14	-	
84	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	8	-	
87	-	-	-	-	-	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	6	5	8	-	
90	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	3	-	
93	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
105	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	
108	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	1	-	
111	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	3	-	-	
114	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	3	-	-	
117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	
123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	
Total No. of Ages Read		12	46	31	14	21	27	8	3	4	1	1	1	1	-	1	-	-	1		172				
Serial Numbers		Lengths only 40,52,59,62,65										No. of Age Samples ¹													
Number of fish measured each month																						400	1430	-	
																						51.9	55.8	-	
																						-	-	-	
																						3120	2234	-	
																						-	-	-	
																						230-320	220-300	-	
																						114	114	-	

Month	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total
Oct	58	468	313	67	32	29	4	3	2	-	3	3	-	-	3	-	-	3	988
Nov	37	354	306	96	87	79	14	6	5	1	-	-	3	-	-	-	-	-	988
Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ with lengths 39, 48, 50, 51, 54, 55, 56, 57, 58, 61, 63, 64, 66

TABLE 43

AGE/LENGTH TABLE - COD - 3M - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)												Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
CATCHES OR LANDINGS		Catches Before Discarding													Months Within Quarter		
COUNTRY		Portugal															
TONNAGE		1,284.21															
STRUCTURES USED IN AGE DETERMINATION		Otoliths															
Length Group (3 cm)	Age	4	5	6	7	8	9	10	11	12	13	14	Jan	Feb	Mar		
		42	3	-	-	-	-	-	-	-	-	-				-	3
45	8	4	1	-	-	-	-	-	-	-	-	13	-	-	25		
48	4	4	2	1	-	-	-	-	-	-	-	11	-	-	27		
51	1	6	10	7	2	-	-	-	-	-	-	26	-	-	97		
54	-	1	7	21	7	1	-	-	-	-	-	37	-	-	143		
57	-	-	10	11	10	-	-	-	-	-	-	31	-	-	169		
60	-	-	6	7	15	2	-	-	-	-	-	30	-	-	133		
63	-	-	2	11	17	1	-	-	-	-	-	31	-	-	113		
66	-	-	2	3	14	6	1	-	1	-	-	27	-	-	91		
69	-	-	-	1	12	4	1	2	-	-	-	20	-	-	63		
72	-	-	-	2	8	2	2	1	1	-	1	17	-	-	59		
75	-	-	-	-	2	3	1	1	2	-	1	10	-	-	26		
78	-	-	-	-	3	3	2	1	1	-	-	10	-	-	13		
81	-	-	-	-	-	1	1	-	4	-	-	6	-	-	13		
84	-	-	-	-	-	-	-	-	2	-	-	2	-	-	13		
87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		
90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
96	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1		
Total No. of Ages Read		16	15	40	64	90	23	9	5	11	-	2	275	1000			
Serial Numbers		Lengths only 8						No. of Age Samples with lengths 6,7,9									
X		Number of fish measured each month												-	-	825	
		Mean length of fish (cm) each month												-	-	61.7	
		Mean weight of fish (kg) each month												-	-	-	
		Total weight caught or landed (tons) each month												-	-	1327	
		Estimated number caught or landed (whole numbers) each month												-	-	-	
		Range of depths (m) each month												-	-	420-460	
		Mesh size (mm)												-	-	114	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	4	5	6	7	8	9	10	11	12	13	14	Total
Jan	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-
Mar	33	44	166	261	339	70	22	14	35	-	6	990

TABLE 45

LENGTH FREQUENCIES - HADDOCK - 3N - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)	
	Landings After Discards	
CATCHES/LANDINGS		
MONTH	February	April
COUNTRY	Canada (Newfoundland)	
TONNAGE	151-500	
26	-	5
28	2	8
30	3	-
32	2	10
34	3	8
36	11	13
38	25	33
40	118	110
42	175	161
44	193	184
46	140	156
48	93	123
50	69	66
52	44	43
54	31	31
56	28	31
58	22	5
60	13	10
62	9	-
64	6	3
66	6	-
68	6	-
Total ‰	999	1000
Serial Numbers	-	-
Number of Samples	1	2
Number of Fish Measured	636	391
Mean Length (cm)	46.45	45.53
Mean Weight (kg)	1.06	0.86
Total Weight Landed (tons)	48.4	232.1
Estimated Number Landed	45569	268957
Mesh(mm) or Hook(no.) Size	-	-
Range of Depths (fm)	75-100	40-90

YEAR	Otter Trawl (Commercial)		
	Landings After Discards		
CATCHES/LANDINGS	April	May	September
DEPTH	Canada (Newfoundland)		
COUNTRY	151-500		
TONNAGE			
30	9	-	-
32	5	-	-
34	9	-	-
36	23	-	-
38	33	14	23
40	117	55	23
42	113	141	70
44	216	150	127
46	202	182	155
48	99	132	197
50	38	86	136
52	38	82	122
54	38	55	52
56	23	36	28
58	23	27	33
60	5	23	14
62	9	5	5
64	-	5	9
66	-	-	-
68	-	5	-
70	-	5	5
Total ‰	1000	1003	999
Serial Numbers	-	-	-
Number of Samples	1	1	1
Number of Fish Measured	213	220	213
Mean Length (cm)	45.70	48.13	49.73
Mean Weight (kg)	0.99	1.03	.96
Total Weight Landed (tons)	100.3	141.2	2.7
Estimated Number Landed	101309	136981	2786
Mesh(mm) or Hook(no.) Size	4 ¹	-	3 1/2 ²
Range of Depths (fm)	45-100	30-41	-

1 inches, nylon

2 inches

TABLE 47 LENGTH FREQUENCIES - HADDOCK - 3Ps - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl
CATCHES/LANDINGS	(Commercial)
MONTH	Landings After Discard
COUNTRY	February
TONNAGE	Canada (Newfoundland)
	501-900
38	10
40	61
42	100
44	196
46	147
48	108
50	98
52	71
54	69
56	44
58	54
60	12
62	10
64	2
66	7
68	2
70	2
72	-
74	2
76	-
78	-
80	-
82	2
Total ‰	997
Serial Numbers	-
Number of Samples	2
Number of Fish Measured	408
Mean Length (cm)	48.65
Mean Weight (kg)	1.28
Total Weight Landed (tons)	2.1
Estimated Number Landed	1636
Mesh(mm) or Hook(no.) Size	4 1/2 ¹
Range of Depths (fm)	80-130

¹ inches

BEAR	151-500
	Otter Trawl (Commercial)
CATCHES/LANDINGS	Landings After Discards
MONTH	March
COUNTRY	Canada (Newfoundland)
TONNAGE	151-500
30	17
32	-
34	6
36	23
38	34
40	57
42	86
44	86
46	75
48	109
50	115
52	103
54	92
56	86
58	34
60	40
62	23
64	11
Total ‰	997
Serial Numbers	-
Number of Samples	1
Number of Fish Measured	174
Mean Length (cm)	49.23
Mean Weight (kg)	1.35
Total Weight Landed (tons)	70.2
Estimated Number Landed	52197
Mesh(mm) or Hook(no.) Size	-
Range of Depths (fm)	-

TABLE 49

LENGTH FREQUENCIES - HADDOCK - 4T - 1966

(FREQUENCIES IN % - 2 CM GROUPS)

GEAR	Otter Trawl	
	(Commercial)	
CATCHES/LANDINGS	Landings	
MONTH	May	July
COUNTRY	Canada (Maritimes)	
TONNAGE	51-150	
40	10	-
42	20	-
44	20	17
46	10	7
48	50	12
50	61	5
52	71	29
54	91	36
56	152	65
58	141	29
60	152	63
62	61	101
64	61	87
66	40	106
68	40	121
70	10	108
72	10	75
74	-	53
76	-	51
78	-	29
80	-	2
82	-	2
84	-	2
Total %	1000	1000
Serial Numbers	71	72-73
Number of Samples	1	2
Number of Fish Measured	99	415
Mean Length (cm)	57.4	65.5
Mean Weight (kg)	1.89	2.70
Total Weight Landed (tons)	-	-
Estimated Number Landed	-	-
Mesh(mm) or Hook(no.) Size	4 5/8 ¹	4 3/8-4 1/2 ¹
Range of Depths (fm)	55-65	10-18

¹ inches

TABLE 50

LENGTH FREQUENCIES - HADDOCK - 4Vn - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)
CATCHES/LANDINGS	Landings
MONTH	July
COUNTRY	Canada (Maritimes)
TONNAGE	51-150
38	13
40	13
42	42
44	80
46	72
48	72
50	42
52	50
54	59
56	72
58	134
60	88
62	105
64	55
66	67
68	8
70	13
72	8
74	4
76	4
Total ‰	1001
Serial Numbers	74
Number of Samples	1
Number of Fish Measured	238
Mean Length (cm)	55.6
Mean Weight (kg)	1.82
Total Weight Landed (tons)	-
Estimated Number Landed	-
Mesh(mm) or Hook(no.) Size	4 5/8 ¹
Range of Depths (fm)	18-20

¹ inches

TABLE 51

LENGTH FREQUENCIES - HADDOCK - 4W - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl							
	(Commercial)					(Exploratory)		
CATCHES/LANDINGS	Landings					Catches		
MONTH	March	April	May	July	October	January	June	October
COUNTRY	Canada (Maritimes)					USSR		
TONNAGE	151-500					501-900 and over 1800		
24	2	-	-	-	-	14	-	15
26	9	-	-	-	-	43	22	20
28	18	-	-	-	-	87	22	17
30	31	-	-	-	-	32	104	37
32	33	-	-	-	4	7	104	94
34	40	-	3	-	-	47	38	156
36	81	6	18	7	9	76	68	137
38	89	27	41	33	47	76	78	103
40	102	62	81	79	60	163	104	91
42	138	80	110	95	91	238	123	94
44	142	114	122	125	73	106	54	76
46	89	137	71	161	56	61	79	48
48	79	158	87	115	64	7	38	42
50	53	120	84	119	61	7	47	31
52	29	93	74	75	40	14	-	17
54	20	56	74	64	43	-	47	8
56	13	76	63	49	47	4	15	4
58	11	29	36	30	99	-	32	5
60	8	12	48	19	71	11	25	2
62	4	15	40	15	44	-	-	1
64	5	5	14	-	67	7	-	1
66	3	5	12	7	55	-	-	+
68	-	2	11	4	32	-	-	1
70	1	2	9	4	16	-	-	-
72	-	-	1	-	12	-	-	-
74	-	-	1	-	8	-	-	-
Total ‰	1000	999	1000	1001	999	1000	1000	1000
Serial Numbers	75-78	79	80-81	82	83	-	-	-
Number of Samples	4	1	2	1	1	1	1	11
Number of Fish Measured	1542	376	656	283	244	277	318	3080
Mean Length (cm)	42.9	48.9	49.7	48.4	53.4	39.0	41.4	38.9
Mean Weight (kg)	0.82	1.31	1.37	1.17	1.59	0.604	0.790	0.697
Total Weight Landed (tons)	-	-	-	-	-	1	1	10
Estimated Number Landed	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 1/2-4 5/8 ¹	4 1/2 ¹	4 1/2 ¹	4 5/8 ¹	4 3/8 ¹	40	40	40
Range of Depths (fm)	70-125	60-70	40-80	24-35	30-45	60-75	20-25	20-85

¹ inches

TABLE 52

LENGTH FREQUENCIES - HADDOCK - 4X (NORTH)¹ - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl					
	(Commercial)					
DRAUGHTS/LANDINGS	Landings					
	January	March	April	May	June	July
COUNTRY	Canada (Maritimes)					
TONNAGE	0-150					
26	-	-	-	1	2	-
28	3	2	14	21	3	-
30	39	21	48	45	32	7
32	131	102	157	135	88	54
34	230	249	248	182	132	94
36	258	275	213	210	174	165
38	187	173	155	138	156	171
40	95	116	68	74	118	156
42	28	33	52	62	88	128
44	25	21	18	54	63	92
46	4	5	16	36	46	46
48	-	-	2	21	20	33
50	-	2	4	10	16	15
52	-	-	2	6	14	14
54	-	-	2	3	10	8
56	-	-	-	-	9	5
58	-	-	-	-	1	4
60	-	-	2	-	8	3
62	-	-	-	1	3	-
64	-	-	-	-	3	3
66	-	-	-	-	3	1
68	-	-	-	-	3	-
70	-	-	-	-	3	-
72	-	-	-	-	2	1
74	-	-	-	-	1	-
76	-	-	-	-	1	-
Total ‰	1000	999	1001	999	999	1000
Serial Numbers	84	87	90	91-92	93-96	99-102
Number of Samples	1	1	1	2	4	4
Number of Fish Measured	283	422	498	676	1152	1076
Mean Length (cm)	36.4	36.7	36.4	37.5	39.8	40.4
Mean Weight (kg)	0.48	0.54	0.45	0.64	0.75	0.79
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 3/8 ²	4 3/8 ²	4 1/2 ²	4 1/2 ²	4 3/8-4 1/2 ²	4 1/2 ²
Range of Depths (fm)	18-20	40	50-52	25-40	10-55	20-50

¹ North of latitude 44° 00'² inches

TABLE 52
(cont'd)LENGTH FREQUENCIES - HADDOCK - 4X (NORTH)¹ - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)				
	Landings				
CATCHES/LANDINGS	August	September	October	November	December
MONTH	Canada (Maritimes)				
COUNTRY	0-150				
TONNAGE					
28	-	12	-	-	-
30	10	56	3	2	-
32	32	115	27	6	-
34	77	179	59	21	12
36	135	146	77	38	58
38	156	126	124	99	128
40	179	70	149	168	136
42	136	60	136	199	209
44	102	50	121	153	167
46	65	46	85	122	97
48	33	38	58	92	81
50	31	30	48	40	39
52	18	15	28	17	16
54	7	8	28	23	12
56	7	13	28	10	16
58	3	11	10	6	16
60	1	11	9	-	-
62	3	7	3	4	7
64	2	2	6	-	-
66	2	2	1	-	7
68	1	2	-	-	-
70	-	-	1	-	-
Total ‰	1000	999	1001	1000	1001
Serial Numbers	106-109	110-111	112-114	115-116	117
Number of Samples	4	2	3	2	1
Number of Fish Measured	1014	602	792	477	258
Mean Length (cm)	41.2	39.4	43.4	43.7	43.9
Mean Weight (kg)	0.81	0.90	0.90	0.95	1.05
Total Weight Landed (tons)	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 3/8-4 5/8 ²	4 1/2 ²	4 1/2 ²	4 1/2 ²	4 1/2 ²
Range of Depths (fm)	20-76	20-40	28-65	50-65	30-60

¹ North of latitude 44° 00'² inches

TABLE 53

LENGTH FREQUENCIES - HADDOCK - 4X (SOUTH)¹ - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl							
	(Commercial)							
CATCHES/LANDINGS	Landings							
MONTH	February	March	April	June	July	October	November	December
COUNTRY	Canada (Maritimes)							
TONNAGE	151-500							
32	5	1	-	-	28	10	5	10
34	24	4	-	4	125	36	37	66
36	21	9	14	14	176	107	119	181
38	31	24	39	27	173	200	207	157
40	52	37	46	30	92	216	117	127
42	68	55	74	37	51	146	169	126
44	86	89	122	51	56	73	105	112
46	71	106	130	64	34	70	77	76
48	94	121	126	87	40	35	61	52
50	103	145	140	149	48	30	60	25
52	142	125	139	143	50	21	16	17
54	115	96	78	118	43	21	7	10
56	46	93	44	104	32	12	5	10
58	38	43	17	57	25	9	4	8
60	54	24	17	41	14	5	5	7
62	31	16	9	33	6	2	5	3
64	15	5	4	16	3	3	-	5
66	-	5	-	16	1	2	-	3
68	4	3	-	6	1	1	-	2
70	-	-	-	2	1	-	-	-
72	-	-	-	-	-	-	-	2
Total ‰	1000	1001	999	999	999	999	999	999
Serial Numbers	85	86&88	89	97-98	103-105	118-119	120	121
Number of Samples	1	2	1	2	3	2	1	1
Number of Fish Measured	314	504	252	687	1422	702	323	332
Mean Length (cm)	49.8	50.2	48.6	51.9	42.5	42.3	42.3	42.0
Mean Weight (kg)	1.40	1.48	1.33	1.52	0.84	0.79	0.95	0.90
Total Weight Landed (tons)	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 1/2 ²	4 1/2 ²	4 5/8 ²	4 3/8-4 1/2 ²	4 1/2 ²	4 1/2 ²	4 1/2 ²	4 1/2 ²
Range of Depths (fm)	70-90	30-100	63-68	40-60	45-55	45-88	55-100	75-114

¹ South of latitude 44° 00'² inches

TABLE 54

LENGTH FREQUENCIES - HADDOCK - 4X - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl				Long Line	
	(Commercial)	(Exploratory)			(Commercial)	
CATCHES/LANDINGS	Landings ¹	Catches			Landings	
MONTH	March	May	July	October	March	April
COUNTRY	Canada (N)	USSR			Canada (Maritimes)	
TONNAGE	151-500	501-900 and over 1800			26-50	
10	-	-	-	12	-	-
12	-	-	-	8	-	-
14	-	-	-	2	-	-
16	-	-	13	2	-	-
18	-	-	11	6	-	-
20	-	-	4	16	-	-
22	-	23	30	10	-	-
24	2	80	66	29	-	-
26	36	186	195	67	-	-
28	16	170	323	100	-	-
30	66	130	227	236	-	-
32	157	97	83	169	7	1
34	199	83	23	132	11	4
36	195	63	11	85	11	9
38	115	7	2	37	6	10
40	46	10	6	29	14	18
42	40	33	-	20	11	26
44	20	17	4	14	21	46
46	36	17	-	10	25	48
48	22	27	-	6	73	69
50	14	23	-	4	55	124
52	12	10	2	4	111	108
54	10	17	-	-	106	156
56	8	-	-	-	130	93
58	4	7	-	-	94	112
60	2	-	-	-	73	52
62	-	-	-	-	84	37
64	-	-	-	-	40	30
66	-	-	-	2	46	34
68	2	-	-	-	38	19
70	-	-	-	-	28	-
72	-	-	-	-	7	4
74	-	-	-	-	8	-
Total ‰	1002	1000	1000	1000	999	1000
Serial Numbers	-	-	-	-	122-123	124
Number of Samples	2	1	2	2	2	1
Number of Fish Measured	503	300	472	492	336	368
Mean Length (cm)	37.13	32.5	28.6	32.0	56.2	53.8
Mean Weight (kg)	0.46	0.376	0.237	0.393	2.14	1.83
Total Weight Landed (tons)	23.3	1	1.5	2	-	-
Estimated Number Landed	50446	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	L ²	40	40	40	# 6/0	# 6/0
Range of Depths (fm)	90	65-70	70-75	30-100	40-56	60-65

- 1 Landings after discards
2 Large

GEAR	Otter Trawl		
	(Commercial)		
CATCHES/LANDINGS	Landings		
MONTH	March	April	October
COUNTRY	Canada (Maritime)		
TONNAGE	151-500		
28	1	-	-
30	3	-	-
32	5	4	-
34	25	19	-
36	64	41	2
38	88	71	15
40	132	108	112
42	138	111	117
44	139	130	206
46	118	53	168
48	86	64	101
50	62	86	64
52	40	108	52
54	34	62	41
56	22	44	30
58	17	26	25
60	9	28	26
62	8	18	16
64	3	8	10
66	1	10	6
68	2	5	6
70	1	2	2
72	-	2	1
74	1	-	-
Total ‰	999	1000	1000
Serial Numbers	125-130	131	132-137
Number of Samples	6	1	6
Number of Fish Measured	1528	317	1778
Mean Length (cm)	44.9	47.5	47.6
Mean Weight (kg)	1.06	1.21	1.29
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	4 1/2-4 5/8 ¹	4 1/2 ¹	4 1/2 ¹
Range of Depths (fm)	38-140	-	25-130

¹ inches

AGE/LENGTH TABLE - HADDOCK - 4X - 1966 (3rd QUARTER)

YEAR		Otter Trawl (Exploratory)									
CATCHES OR LANDINGS		Catches									
COUNTRY		USSR									
TONNAGE		501-900 and over 1800									
STRUCTURES USED IN AGE DETERMINATION		Otoliths									
Length Group (2 cm)	Age	1	2	3	4	5	6	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
									Months Within Quarter	Jul	Aug
18	-	-	-	-	-	-	-	-	-	4	-
20	4	-	-	-	-	-	-	4	-	1	-
22	-	1	-	-	-	-	-	1	-	1	-
24	-	2	4	-	-	-	-	6	-	40	-
26	-	2	17	-	-	-	-	19	-	80	-
28	-	-	36	-	-	-	-	36	-	173	-
30	-	-	56	1	-	-	-	57	-	128	-
32	-	-	35	4	-	-	-	39	-	111	-
34	-	-	15	7	-	-	-	22	-	98	-
36	-	-	2	4	-	-	-	6	-	84	-
38	-	-	1	2	-	-	-	3	-	80	-
40	-	-	-	2	-	-	-	2	-	73	-
42	-	-	-	-	-	-	-	-	-	36	-
44	-	-	-	-	-	2	-	2	-	23	-
46	-	-	-	-	-	2	-	2	-	16	-
48	-	-	-	-	-	-	-	-	-	7	-
50	-	-	-	-	-	-	-	-	-	6	-
52	-	-	-	-	-	-	-	-	-	3	-
54	-	-	-	-	-	-	-	-	-	8	-
56	-	-	-	-	-	-	-	-	-	10	-
58	-	-	-	-	-	-	-	-	-	10	-
60	-	-	-	-	-	-	-	-	-	7	-
62	-	-	-	-	-	-	1	1	-	1	-
Total No. of Ages Read		4	5	166	20	4	1	200	1000		
Serial Numbers		No. of Age Samples 2									
X		Number of fish measured each month							-	703	-
		Mean length of fish (cm) each month							-	34.3	-
		Mean weight of fish (kg) each month							-	0.527	-
		Total weight caught or landed (tons) each month							-	3	-
		Estimated number caught or landed (whole numbers) each month							-	-	-
		Range of depths (m) each month							-	25-75	-
		Mesh size (mm)							-	40	-

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	1	2	3	4	5	6	Total
Jul	-	-	-	-	-	-	-
Aug	1	24	682	249	43	1	1000
Sep	-	-	-	-	-	-	-

TABLE 58

AGE/LENGTH TABLE - HADDOCK - 5Y - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)									
CATCHES OR LANDINGS		Landings									
COUNTRY		United States									
TONNAGE		0-310									
STRUCTURES USED IN AGE DETERMINATION		Scales									
Length Group (2 cm)	Age	3	4	5	6	7	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
								Months Within Quarter			
								Apr	May	Jun	
36	-	-	-	-	-	-	-	-	15	-	
38	-	-	-	-	-	-	-	-	-	-	
40	2	1	-	-	-	-	3	-	29	-	
42	4	1	-	-	-	-	5	-	161	-	
44	2	-	-	-	-	-	2	-	175	-	
46	-	1	2	-	-	-	3	-	190	-	
48	1	1	-	-	-	-	2	-	102	-	
50	-	-	-	-	-	-	-	-	57	-	
52	-	3	-	-	-	-	3	-	46	-	
54	-	7	-	2	-	-	9	-	60	-	
56	-	1	2	2	-	-	5	-	54	-	
58	-	1	-	-	-	-	1	-	32	-	
60	-	-	-	-	1	-	1	-	19	-	
62	-	-	-	-	-	-	-	-	19	-	
64	-	-	-	-	-	1	1	-	13	-	
66	-	-	-	-	-	-	-	-	13	-	
68	-	-	-	-	-	-	-	-	5	-	
70	-	-	-	-	-	-	-	-	8	-	
								-	1000	-	
Total No. of Ages Read		9	16	4	5	1	35	X			
Serial Numbers	No. of Age Samples						2	X			
X	Number of fish measured each month							-	150	-	
	Mean length of fish (cm) each month							-	48.69	-	
	Mean weight of fish (kg) each month							-	1.11	-	
	Total weight caught or landed (tons) each month							-	677	-	
	Estimated number caught or landed (whole numbers) each month ¹							-	6074	-	
	Range of depths (m) each month							-	45-55	-	
Mesh size (mm)							-	4.5	-		

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	Total
Apr	-	-	-	-	-	-
May	421	333	183	47	16	1000
Jun	-	-	-	-	-	-

¹ Numbers in 100's

TABLE 58
(cont'd)

AGE/LENGTH TABLE - HADDOCK - 5Y - 1966 (3rd QUARTER)

GEAR		Otter Trawl (Commercial)										
CATCHES OR LANDINGS		Landings										
COUNTRY		United States										
TONNAGE		0-310										
STRUCTURES USED IN AGE DETERMINATION		Scales										
Length Group (2 cm)	Age	3	4	5	6	7	8	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
									Months Within Quarter			
									Jul	Aug	Sep	
38		2	-	-	-	-	-	2	-	49	-	
40		12	-	-	-	-	-	12	72	131	-	
42		4	-	-	-	-	-	4	101	262	-	
44		8	3	-	-	-	-	11	158	131	-	
46		3	3	-	-	-	-	6	144	166	-	
48		3	5	-	-	-	-	8	158	53	-	
50		-	6	-	-	-	-	6	77	59	-	
52		-	7	-	-	-	-	7	93	32	-	
54		-	8	1	1	-	-	10	51	32	-	
56		-	3	1	-	1	-	5	50	26	-	
58		-	1	-	-	-	-	1	28	11	-	
60		-	-	1	3	1	-	5	28	9	-	
62		-	-	-	-	-	-	-	6	6	-	
64		-	-	-	1	-	-	1	11	8	-	
66		-	-	1	1	-	-	2	6	9	-	
68		-	-	-	1	-	-	2	11	9	-	
70		-	-	-	-	-	-	-	6	4	-	
72		-	-	-	-	-	2	2	-	-	-	
									1000	1000	-	
Total No. of Ages Read		32	36	4	7	2	3	84	X			
Serial Numbers		No. of Age Samples 5										
X	Number of fish measured each month									150	145	-
	Mean length of fish (cm) each month									48.95	46.05	-
	Mean weight of fish (kg) each month									1.28	1.05	-
	Total weight caught or landed (tons) each month									374	470	-
	Estimated number caught or landed (whole numbers) each month ¹									2981	4453	-
	Range of depths (m) each month									40-50	40-50	-
Mesh size (mm)									4.5	4.5	-	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	8	Total
Jul	425	489	24	41	16	5	1000
Aug	647	300	15	26	7	5	1000
Sep	-	-	-	-	-	-	-

¹ Numbers in 100's

TABLE 59

AGE/LENGTH TABLE - HADDOCK - 5Z - 1966 (1st QUARTER)

GEAR		Otter Trawl (Commercial)												
CATCHES OR LANDINGS		Landings												
COUNTRY		United States												
TONNAGE		0-483												
STRUCTURES USED IN AGE DETERMINATION		Scales												
Length Group (2 cm)	Age	2	3	4	5	6	7	8	9	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
											Months Within Quarter			
											Jan	Feb	Mar	
34		1	4	-	-	-	-	-	-	5	16	4	1	
36		-	24	-	-	-	-	-	-	24	64	22	20	
38		-	42	-	-	-	-	-	-	42	111	74	75	
40		-	85	3	-	-	-	-	-	88	226	174	126	
42		-	66	4	-	-	-	-	-	70	248	210	176	
44		-	50	6	-	-	-	-	-	56	127	190	190	
46		-	26	6	-	1	-	-	-	33	55	132	113	
48		-	8	8	-	-	1	-	-	17	31	47	76	
50		-	2	23	2	-	-	-	-	27	8	21	32	
52		-	-	23	5	8	4	-	-	40	25	19	26	
54		-	-	34	9	9	5	-	1	58	15	13	22	
56		-	-	20	6	8	14	5	-	53	14	16	21	
58		-	-	8	9	16	9	1	1	44	11	14	24	
60		-	-	5	6	19	14	7	2	53	9	18	21	
62		-	-	1	7	9	20	9	2	48	10	10	17	
64		-	-	1	3	12	5	8	4	33	6	9	21	
66		-	-	1	1	7	12	9	1	31	6	10	14	
68		-	-	-	-	7	9	5	3	24	6	6	11	
70		-	-	-	-	1	3	3	2	9	4	5	5	
72		-	-	-	-	-	1	6	3	10	3	3	2	
74		-	-	-	-	-	1	1	-	2	3	-	3	
76		-	-	-	-	-	-	1	4	5	2	1	1	
78		-	-	-	-	-	-	-	1	1	1	-	-	
											1000	1000	1000	
Total No. of Ages Read		1	307	143	46	99	98	55	24	773				
Serial Numbers	No. of Age Samples 49													
	Number of fish measured each month										1253	2059	1430	
	Mean length of fish (cm) each month										43.82	45.27	46.76	
	Mean weight of fish (kg) each month										0.95	1.04	1.10	
	Total weight caught or landed (tons) each month										3539	4399	6311	
	Estimated number caught or landed (whole numbers) each month ¹										37151	42158	57634	
	Range of depths (m) each month										25-120	32-125	29-140	
Mesh size (inches)										4.5	4.5	4.5		

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	6	7	8	9	Total
Jan	3	813	99	12	26	26	14	7	1000
Feb	1	763	133	14	35	31	16	7	1000
Mar	-	681	162	21	52	49	25	10	1000

¹ Numbers in 100's

TABLE 59
(cont'd)

AGE/LENGTH TABLE - HADDOCK - 5Z - 1966 (1st QUARTER)

GEAR		Otter Trawl (Exploratory)								
CATCHES OR LANDINGS		Catches								
COUNTRY		USSR								
TONNAGE		501-900 and over 1800								
STRUCTURES USED IN AGE DETERMINATION		Otoliths								
Length Group (2 cm)	Age	2	3	4	5	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
							Months Within Quarter			
							Jan	Feb	Mar	
24	-	-	-	-	-	-	-	+	-	
26	1	-	-	-	-	1	-	3	-	
28	-	-	-	-	-	-	2	17	-	
30	-	-	5	-	-	5	28	50	76	
32	-	-	15	-	-	15	57	104	176	
34	-	-	28	1	-	29	81	145	222	
36	-	-	29	8	-	37	109	174	225	
38	-	-	20	12	-	32	146	157	176	
40	-	-	38	32	6	76	203	128	54	
42	-	-	20	20	-	40	175	101	44	
44	-	-	11	23	-	34	111	50	27	
46	-	-	5	13	-	18	63	28	-	
48	-	-	1	3	-	4	18	11	-	
50	-	-	-	-	-	-	5	9	-	
52	-	-	-	-	-	-	2	6	-	
54	-	-	-	-	-	-	-	2	-	
56	-	-	-	-	-	-	-	2	-	
58	-	-	-	-	-	-	-	+	-	
60	-	-	-	-	-	-	-	2	-	
62	-	-	-	-	-	-	-	2	-	
64	-	-	-	-	-	-	-	2	-	
66	-	-	-	-	-	-	-	4	-	
68	-	-	-	-	-	-	-	1	-	
70	-	-	-	-	-	-	-	1	-	
72	-	-	-	-	-	-	-	1	-	
74	-	-	-	-	-	-	-	+	-	
Total No. of Ages Read							291	1000	1000	1000
Serial Numbers		No. of Age Samples					2			
Number of fish measured each month							2400	2442	369	
Mean length of fish (cm) each month							39.9	38.0	36.0	
Mean weight of fish (kg) each month							0.644	0.563	0.485	
Total weight caught or landed (tons) each month							5	5.5	1.1	
Estimated number caught or landed (whole numbers) each month							-	-	-	
Range of depths (m) each month							30-35	50-125	85-100	
Mesh size (mm)							40	40	40	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	Total
Jan	0	592	392	16	1000
Feb	3	703	283	11	1000
Mar	0	810	186	4	1000

TABLE 59
(cont'd)

AGE/LENGTH TABLE - HADDOCK - 52 - 1966 (2nd QUARTER)

GEAR		Otter Trawl (Commercial)													
CATCHES OR LANDINGS		Landings													
COUNTRY		United States													
TONNAGE		0-483													
STRUCTURES USED IN AGE DETERMINATION		Scales													
Length Group (2 cm)	Age	2	3	4	5	6	7	8	9	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE				
											Months Within Quarter				
											Apr	May	Jun		
32		1	2	-	-	-	-	-	-	3	-	3	1		
34		3	7	-	-	-	-	-	-	10	1	8	2		
36		4	23	-	-	-	-	-	-	27	25	37	30		
38		1	70	1	-	-	-	-	-	72	76	93	70		
40		-	65	2	-	-	-	-	-	67	136	141	136		
42		-	89	5	2	-	-	-	-	96	173	162	188		
44		-	53	14	2	1	-	-	-	70	154	157	152		
46		-	34	13	1	-	-	-	-	48	101	94	119		
48		-	17	21	3	2	-	-	-	43	72	36	80		
50		-	10	24	1	3	2	-	-	40	48	31	39		
52		-	1	39	8	4	3	-	-	55	36	30	29		
54		-	-	28	20	5	5	2	-	60	25	26	23		
56		-	-	28	16	7	14	6	-	71	20	31	20		
58		-	-	21	8	12	6	4	-	51	20	24	24		
60		-	-	3	12	10	15	9	4	53	15	23	15		
62		-	-	1	4	15	16	2	6	44	18	14	19		
64		-	-	-	3	9	16	6	3	37	16	20	14		
66		-	-	-	2	6	7	7	4	26	14	22	13		
68		-	-	-	-	6	6	12	8	32	16	15	11		
70		-	-	-	-	-	2	12	8	22	12	13	7		
72		-	-	-	-	-	5	6	8	19	10	9	4		
74		-	-	-	-	-	1	1	3	5	7	7	3		
76		-	-	-	-	-	-	1	5	6	3	2	-		
78		-	-	-	-	-	-	-	1	1	2	2	-		
80		-	-	-	-	-	-	-	-	-	1	-	-		
Total No. of Ages Read		9	371	200	82	80	98	68	50	958	1000	1000	1000		
Serial Numbers		No. of Age Samples 56													
X	Number of fish measured each month												1994	1955	1829
	Mean length of fish (cm) each month												47.33	47.21	46.55
	Mean weight of fish (kg) each month												1.20	1.18	1.05
	Total weight caught or landed (tons) each month												4925	4851	6191
	Estimated number caught or landed (whole numbers) each month ¹												41116	40962	58850
	Range of depths (m) each month												20-160	15-100	20-95
Mesh size (inches)												4.5	4.5	4.5	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	6	7	8	9	Total
Apr	5	619	191	45	39	42	31	28	1000
May	10	623	165	47	41	48	37	29	1000
Jun	6	643	191	45	38	37	24	16	1000

¹ Numbers in 100's

TABLE 59
(cont'd)

AGE/LENGTH TABLE - HADDOCK - 5Z - 1966 (3rd QUARTER)

GEAR		Otter Trawl (Commercial)											
CATCHES OR LANDINGS		Landings											
COUNTRY		United States											
TONNAGE		0-483											
STRUCTURES USED IN AGE DETERMINATION		Scales											
Length Group (2 cm)	Age	2	3	4	5	6	7	8	9	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
											Months Within Quarter		
											Jul	Aug	Sep
32	2	-	-	-	-	-	-	-	-	2	-	-	-
34	3	9	-	-	-	-	-	-	-	12	5	14	1
36	5	26	-	-	-	-	-	-	-	31	27	38	19
38	6	43	3	-	-	-	-	-	-	52	56	107	41
40	2	80	3	-	-	-	-	-	-	85	130	112	78
42	3	91	-	-	-	-	-	-	-	94	194	148	137
44	3	106	8	-	-	-	-	-	-	117	205	147	184
46	-	62	6	-	-	-	-	-	-	68	146	135	191
48	-	64	9	1	-	-	-	-	-	74	59	87	128
50	-	57	31	5	2	-	-	-	-	95	37	50	99
52	-	37	74	7	2	2	1	-	-	123	33	35	49
54	-	14	64	11	3	2	-	-	-	94	25	33	22
56	-	4	39	12	7	4	1	-	-	67	21	29	13
58	-	-	21	8	6	7	1	-	-	43	13	21	10
60	-	-	15	8	9	7	4	1	-	44	12	12	6
62	-	-	5	7	6	1	2	5	-	26	10	6	4
64	-	-	2	4	3	5	1	1	-	16	6	7	3
66	-	-	1	2	3	2	5	1	-	14	5	4	3
68	-	-	1	-	5	2	3	2	-	13	6	4	3
70	-	-	-	1	3	3	-	-	-	7	4	4	2
72	-	-	-	-	1	-	2	2	-	5	4	2	2
74	-	-	-	-	-	4	1	3	-	8	1	1	2
76	-	-	-	-	-	-	1	-	-	1	1	2	1
78	-	-	-	-	-	-	-	-	-	-	-	1	1
											1000	1000	1000
Total No. of Ages Read		24	593	282	66	50	39	22	15	1091			
Serial Numbers		No. of Age Samples 61											
X		Number of fish measured each month									1863	2154	1939
		Mean length of fish (cm) each month									45.77	45.79	46.51
		Mean weight of fish (kg) each month									1.05	1.07	1.07
		Total weight caught or landed (tons) each month									4222	4479	4908
		Estimated number caught or landed (whole numbers) each month ¹									40178	41750	45743
		Range of depths (m) each month									20-100	10-130	18-110
		Mesh size (inches)									4.5	4.5	4.5

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	6	7	8	9	Total
Jul	26	789	117	22	18	13	9	6	1000
Aug	33	760	136	26	19	14	8	4	1000
Sep	19	787	143	20	12	9	6	4	1000

¹ Numbers in 100's

TABLE 59
(cont'd)

AGE/LENGTH TABLE - HADDOCK - 5Z - 1966 (3rd QUARTER)

GEAR		Otter Trawl (Exploratory)								
CATCHES OR LANDINGS		Catches								
COUNTRY		USSR								
TONNAGE		501-900 and over 1800								
STRUCTURES USED IN AGE DETERMINATION		Otoliths								
Length Group (2 cm)	Age	2	3	4	5	6	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE		
								Months Within Quarter	Jul	Aug
30		1	-	-	-	-	1	-	4	-
32		-	-	-	-	-	-	-	1	8
34		-	3	-	-	-	3	-	3	40
36		-	12	-	-	-	12	-	8	117
38		-	24	3	-	-	27	-	40	273
40		-	12	36	-	-	48	-	63	247
42		-	5	35	-	-	40	-	131	158
44		-	2	32	4	-	38	-	146	80
46		-	1	34	15	-	50	-	210	45
48		-	-	20	9	-	29	-	176	22
50		-	-	5	14	-	19	-	97	10
52		-	-	-	11	-	11	-	63	-
54		-	-	-	5	-	5	-	24	-
56		-	-	-	4	1	5	-	13	-
58		-	-	-	3	1	4	-	8	-
60		-	-	-	4	-	4	-	4	-
62		-	-	-	1	1	2	-	4	-
64		-	-	-	-	-	-	-	5	-
								-	1000	1000
Total No. of Ages Read		1	59	165	70	3	298	X		
Serial Numbers		No. of Age Samples 2								
X		Number of fish measured each month					-	720	400	
		Mean length of fish (cm) each month					-	46.6	40.4	
		Mean weight of fish (kg) each month					-	1.021	0.699	
		Total weight caught or landed (tons) each month					-	2	0.5	
		Estimated number caught or landed (whole numbers) each month					-	-	-	
		Range of depths (m) each month					-	25-30	35-40	
		Mesh size (mm)					-	40	40	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	6	Total
Jul	-	-	-	-	-	-
Aug	4	92	582	316	6	1000
Sep	0	491	473	36	0	1000

TABLE 59
(cont'd)

AGE/LENGTH TABLE - HADDOCK - 5Z - 1966 (4th QUARTER)

GEAR		Otter Trawl (Commercial)													
CATCHES OR LANDINGS		Landings													
COUNTRY		United States													
TONNAGE		0-483													
STRUCTURES USED IN AGE DETERMINATION		Scales													
Length Group (2 cm)	Age	2	3	4	5	6	7	8	9	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE				
											Months Within Quarter				
											Oct	Nov	Dec		
34	-	1	-	-	-	-	-	-	-	1	1	-	-		
36	5	4	-	-	-	-	-	-	-	9	5	2	6		
38	11	9	-	-	-	-	-	-	-	20	28	22	23		
40	18	36	1	-	-	-	-	-	-	55	84	71	66		
42	11	56	1	-	-	-	-	-	-	68	116	128	116		
44	7	72	7	-	-	-	-	-	-	86	185	172	187		
46	3	76	9	-	-	-	-	-	-	88	174	196	186		
48	1	69	12	1	-	-	-	-	-	83	153	143	155		
50	-	70	28	-	-	-	-	-	-	98	83	99	98		
52	-	54	46	3	2	1	-	-	-	106	51	47	58		
54	-	28	42	11	1	-	-	-	-	82	39	22	38		
56	-	5	27	10	2	1	1	1	1	47	15	12	15		
58	-	-	31	9	3	3	2	-	-	48	14	13	12		
60	-	-	14	6	3	4	-	1	1	28	11	12	11		
62	-	-	8	2	5	5	3	1	1	24	8	11	9		
64	-	-	6	4	1	8	1	2	2	22	6	11	6		
66	-	-	-	3	5	3	1	1	1	13	7	10	5		
68	-	-	1	2	3	2	4	4	4	16	8	10	3		
70	-	-	-	-	-	2	4	3	3	9	7	7	3		
72	-	-	-	-	1	1	3	1	1	6	3	5	2		
74	-	-	-	-	-	1	2	2	2	5	2	5	1		
76	-	-	-	-	-	-	-	2	2	2	1	1	1		
78	-	-	-	-	-	-	1	4	5	5	-	1	-		
80	-	-	-	-	-	-	-	-	-	-	1	1	-		
Total No. of Ages Read		56	480	233	51	26	31	22	22	921	1000	1000	1000		
Serial Numbers	No. of Age Samples 56														
X	Number of fish measured each month												2071	1499	1544
	Mean length of fish (cm) each month												47.51	47.91	47.45
	Mean weight of fish (kg) each month												1.24	1.27	1.22
	Total weight caught or landed (tons) each month												3393	2768	2980
	Estimated number caught or landed (whole numbers) each month ¹												27429	21798	24495
	Range of depths (m) each month												20-110	14-110	18-160
Mesh size (inches)												4.5	4.5	4.5	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	2	3	4	5	6	7	8	9	Total
Oct	87	699	151	21	11	12	10	9	1000
Nov	80	699	146	20	13	16	14	12	1000
Dec	79	711	159	20	9	10	6	6	1000

¹ Numbers in 100's

TABLE 59
(cont'd)

AGE/LENGTH TABLE - HADDOCK - 52 - 1966 (4th QUARTER)

GEAR		Otter Trawl (Exploratory)									
CATCHES OR LANDINGS		Catches									
COUNTRY		USSR									
TONNAGE		501-900 and over 1800									
STRUCTURES USED IN AGE DETERMINATION		Otoliths									
Length Group (2 cm)	Age	3	4	5	6	7	Total No. of Ages Read	LENGTH COMPOSITION PER MILLE			
								Months Within Quarter			
								Oct	Nov	Dec	
22	-	-	-	-	-	-	-	1	-	-	
24	-	-	-	-	-	-	-	2	+	-	
26	-	-	-	-	-	-	-	10	+	-	
28	-	-	-	-	-	-	-	10	1	-	
30	2	-	-	-	-	-	2	14	4	-	
32	9	-	-	-	-	-	9	23	6	-	
34	12	-	-	-	-	-	12	32	10	-	
36	7	-	-	-	-	-	7	36	14	-	
38	11	2	-	-	-	-	13	42	16	-	
40	8	21	-	-	-	-	29	104	41	-	
42	13	25	1	-	-	-	39	112	61	-	
44	14	32	2	-	-	-	48	140	90	-	
46	6	60	6	-	-	-	72	136	145	-	
48	3	67	7	-	-	-	77	83	188	-	
50	-	54	23	-	-	-	77	33	106	-	
52	-	10	27	-	-	-	37	32	86	-	
54	-	-	15	-	-	-	15	24	35	-	
56	-	-	15	-	-	-	15	18	21	-	
58	-	-	9	-	-	-	9	18	17	-	
60	-	-	5	5	-	-	10	27	17	-	
62	-	-	-	7	-	-	7	25	21	-	
64	-	-	-	6	-	-	6	14	15	-	
66	-	-	-	5	-	-	5	6	14	-	
68	-	-	-	-	1	-	1	14	18	-	
70	-	-	-	-	1	-	1	11	12	-	
72	-	-	-	-	1	-	1	5	14	-	
74	-	-	-	-	5	-	5	12	19	-	
76	-	-	-	-	2	-	2	14	15	-	
78	-	-	-	-	-	-	-	2	5	-	
80	-	-	-	-	-	-	-	-	5	-	
82	-	-	-	-	-	-	-	-	3	-	
84	-	-	-	-	-	-	-	-	1	-	
Total No. of Ages Read		85	271	110	23	10	499	1000	1000		
Serial Numbers		No. of Age Samples					2				
	Number of fish measured each month							814	3440	-	
	Mean length of fish (cm) each month							46.8	50.9	-	
	Mean weight of fish (kg) each month							1.138	1.323	-	
	Total weight caught or landed (tons) each month							2.7	5.6	-	
	Estimated number caught or landed (whole numbers) each month							-	-	-	
	Range of depths (m) each month							30-95	30-60	-	
	Mesh size (mm)							40	40	-	

AGE COMPOSITIONS OF LANDINGS (PER MILLE)

Month	3	4	5	6	7	Total
Oct	269	475	138	61	57	1000
Nov	126	521	215	59	79	1000
Dec	-	-	-	-	-	-

GEAR	Prawn Trawl						
CATCHES/LANDINGS	(Research)						
MONTH	NK						
COUNTRY	July						
SPECIES OR TYPE	Denmark (Greenland)						
SEX	NK						
TONNAGE	♂♂	♀♀	Tot.	151-500	♂♂	♀♀	Tot.
9	-	-	1	59	-	-	0.4
10	-	-	1	60	-	-	0.2
11	-	-	0.2	61	-	-	-
12	-	-	1	62	-	-	-
13	-	-	10	63	-	-	0.2
14	-	-	54	64	-	-	-
15	-	-	90	65	-	-	0.4
16	-	-	193	66	-	-	0.4
17	-	-	239	67	-	-	-
18	-	-	177	68	-	-	0.4
19	-	-	66				
20	-	-	19				
21	-	-	26				
22	-	-	21				
23	-	-	31				
24	-	-	17				
25	-	-	13				
26	-	-	12				
27	-	-	8				
28	-	-	4				
29	-	-	1				
30	-	-	2				
31	-	-	1				
32	-	-	2				
33	-	-	1				
34	-	-	1				
35	-	-	0.2				
36	-	-	0.4				
37	-	-	-				
38	-	-	0.2				
39	-	-	0.4				
40	-	-	0.4				
41	-	-	1				
42	-	-	-				
43	-	-	-				
44	-	-	-				
45	-	-	0.2				
46	-	-	1				
47	-	-	-				
48	-	-	0.2				
49	-	-	-				
50	-	-	-				
51	-	-	1				
52	-	-	0.2				
53	-	-	0.2				
54	-	-	0.2				
55	-	-	0.2				
56	-	-	0.4				
57	-	-	-				
58	-	-	0.2				
Total ‰	-	-	1000				
Serial Numbers	-	-	-				
Number of Samples	-	-	-				
Number of Fish Measured	-	-	4954				
Mean Length (cm)	-	-	18.0				
Mean Weight (kg)	-	-	-				
Total Weight Landed (tons)	-	-	-				
Estimated Number Landed	-	-	-				
Mesh(mm) or Hook(no.) Size	-	-	28				
Range of Depths (fm)	-	-	186-257				

TABLE 61

LENGTH FREQUENCIES - REDFISH - 1C - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Prawn Trawl		
CATCHES/LANDINGS	(Research)		
MONTH	NK		
COUNTRY	July		
SPECIES OR TYPE	Denmark (Greenland)		
SEX	♂	♀	Tot.
TONNAGE	151-500		
8	-	-	62
9	-	-	77
10	-	-	24
11	-	-	5
12	-	-	19
13	-	-	14
14	-	-	5
15	-	-	14
16	-	-	14
17	-	-	-
18	-	-	10
19	-	-	5
20	-	-	14
21	-	-	10
22	-	-	10
23	-	-	5
24	-	-	38
25	-	-	58
26	-	-	67
27	-	-	111
28	-	-	96
29	-	-	24
30	-	-	38
31	-	-	58
32	-	-	58
33	-	-	58
34	-	-	24
35	-	-	29
36	-	-	19
37	-	-	5
38	-	-	10
39	-	-	5
40	-	-	-
41	-	-	-
42	-	-	10
43	-	-	-
44	-	-	-
45	-	-	5
Total ‰	-	-	1001
Serial Numbers	-	-	-
Number of Samples	-	-	-
Number of Fish Measured	-	-	208
Mean Length (cm)	-	-	24.5
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	28
Range of Depths (fm)	-	-	251-273

TABLE 62

LENGTH FREQUENCIES - REDFISH - 1D - 1966.

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Crab Trawl			Prawn Trawl					
	(Research)								
CATCHES/LANDINGS	NK								
MONTH	March			May			December		
COUNTRY	Denmark (Greenland)								
SPECIES OR TYPE	NK								
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-50								
6	-	-	-	-	-	13	-	-	-
7	-	-	-	-	-	131	-	-	-
8	-	-	-	-	-	163	-	-	2
9	-	-	-	-	-	82	-	-	14
10	-	-	-	-	-	59	-	-	42
11	-	-	-	-	-	49	-	-	18
12	-	-	-	-	-	52	-	-	46
13	-	-	-	-	-	33	-	-	59
14	-	-	-	-	-	23	-	-	69
15	-	-	-	-	-	23	-	-	26
16	-	-	-	-	-	20	-	-	18
17	-	-	-	-	-	13	-	-	18
18	-	-	-	-	-	20	-	-	22
19	-	-	-	-	-	23	-	-	48
20	-	-	8	-	-	33	-	-	20
21	-	-	-	-	-	23	-	-	20
22	-	-	-	-	-	23	-	-	34
23	-	-	4	-	-	10	-	-	46
24	-	-	8	-	-	13	-	-	53
25	-	-	19	-	-	26	-	-	30
26	-	-	11	-	-	29	-	-	50
27	-	-	15	-	-	16	-	-	42
28	-	-	11	-	-	26	-	-	46
29	-	-	27	-	-	10	-	-	44
30	-	-	15	-	-	13	-	-	44
31	-	-	42	-	-	20	-	-	30
32	-	-	103	-	-	10	-	-	46
33	-	-	73	-	-	7	-	-	42
34	-	-	57	-	-	3	-	-	20
35	-	-	88	-	-	3	-	-	14
36	-	-	96	-	-	10	-	-	8
37	-	-	38	-	-	7	-	-	14
38	-	-	80	-	-	7	-	-	8
39	-	-	34	-	-	-	-	-	6
40	-	-	65	-	-	7	-	-	4
41	-	-	54	-	-	3	-	-	4
42	-	-	23	-	-	-	-	-	-
43	-	-	46	-	-	3	-	-	-
44	-	-	31	-	-	-	-	-	-
45	-	-	15	-	-	-	-	-	-
46	-	-	8	-	-	-	-	-	-
47	-	-	8	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-
49	-	-	4	-	-	-	-	-	-
56	-	-	15	-	-	-	-	-	-
57	-	-	4	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-
59	-	-	4	-	-	-	-	-	-
Total ‰	-	-	1006	-	-	1006	-	-	1007
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	-	-	-	-	-	-	-
Number of Fish Measured	-	-	261	-	-	306	-	-	505
Mean Length (cm)	-	-	36.4	-	-	15.3	-	-	22.8
Mean Weight (kg)	-	-	-	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	36	-	-	36	-	-	36
Range of Depths (fm)	-	-	137-180	-	-	142	-	-	142-175

TABLE 62
(cont'd)

LENGTH FREQUENCIES - REDFISH - 1D - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Pound Net					
	(Research)					
CATCHES/LANDINGS	NK					
MONTH	May			June		
COUNTRY	Denmark (Greenland)					
SPECIES OR TYPE	NK					
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-50					
38	-	-	7	-	-	-
39	-	-	28	-	-	-
40	-	-	35	-	-	-
41	-	-	77	-	-	61
42	-	-	91	-	-	152
43	-	-	119	-	-	91
44	-	-	168	-	-	61
45	-	-	175	-	-	212
46	-	-	140	-	-	152
47	-	-	70	-	-	-
48	-	-	49	-	-	152
49	-	-	14	-	-	61
50	-	-	21	-	-	30
51	-	-	7	-	-	-
52	-	-	-	-	-	30
Total ‰	-	-	1001	-	-	1002
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	-	-	-	-
Number of Fish Measured	-	-	143	-	-	33
Mean Length (cm)	-	-	44.3	-	-	45.3
Mean Weight (kg)	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	-
Range of Depths (fm)	-	-	-	-	-	-

GEAR	Otter Trawl (Research)		
CATCHES/LANDINGS	Catches		
MONTH	November		
COUNTRY	USSR		
SPECIES OR TYPE	NK		
SEX	♂	♀	Tot.
TONNAGE	1800		
26	1	1	2
27	1	1	2
28	2	3	5
29	4	4	8
30	7	9	16
31	10	14	24
32	22	25	47
33	19	28	47
34	23	15	38
35	36	24	60
36	51	34	85
37	41	30	71
38	43	40	83
39	64	75	139
40	40	106	146
41	17	61	78
42	11	47	58
43	5	31	36
44	2	14	16
45	2	21	23
46	1	7	8
47	-	4	4
48	-	2	2
49	-	2	2
Total ‰	402	598	1000
Serial Numbers	-	-	-
Number of Samples	1	1	1
Number of Fish Measured	1180	1754	2934
Mean Length (cm)	36.80	38.63	37.90
Mean Weight (kg)	0.800	0.944	0.923
Total Weight Landed (tons)	-	-	40
Estimated Number Landed	-	-	43337
Mesh(mm) or Hook(no.) Size	110	110	110
Range of Depths (fm)	192-200	192-200	192-200

TABLE 64

LENGTH FREQUENCIES - REDFISH - 2J - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)			(Research)					
CATCHES/LANDINGS	Catches								
MONTH	May			February			June		
COUNTRY	Poland			USSR					
SPECIES OR TYPE	<i>S. mentalla</i>			NK					
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	2670			1800					
19	1	1	2	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-
21	2	1	3	-	-	-	-	-	-
22	6	4	10	-	-	-	-	-	-
23	5	8	13	1	-	1	1	-	1
24	7	7	14	-	-	-	2	1	3
25	22	13	35	1	1	2	2	4	6
26	13	13	26	1	2	3	1	4	5
27	19	12	31	-	2	2	8	5	13
28	27	23	50	6	5	11	9	7	16
29	31	28	59	3	10	13	6	5	11
30	35	31	66	13	12	25	14	7	21
31	27	27	54	11	20	31	11	14	25
32	30	26	56	21	17	38	13	11	24
33	26	26	52	28	30	58	12	14	26
34	21	24	45	34	29	63	20	11	31
35	24	24	48	49	54	103	31	24	55
36	25	23	48	58	63	121	36	24	60
37	38	23	51	79	76	155	53	32	85
38	43	24	67	56	68	124	59	45	104
39	33	25	58	32	35	67	34	30	64
40	30	21	51	25	42	67	49	48	97
41	12	18	30	15	20	35	47	41	88
42	11	20	31	10	27	37	46	48	94
43	8	18	26	5	9	14	24	26	50
44	4	16	20	6	8	14	18	15	33
45	3	10	13	4	7	11	17	21	38
46	1	11	12	1	3	4	11	13	24
47	1	9	10	1	-	1	5	11	16
48	1	4	5	-	-	-	1	4	5
49	-	2	2	-	-	-	-	2	2
50	-	2	2	-	-	-	1	2	3
51	-	1	1	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-
53	-	1	1	-	-	-	-	-	-
Total ‰	506	494	1000	460	540	1000	531	469	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	3	1	1	1	3	3	3
Number of Fish Measured	-	-	1831	537	630	1167	1702	1507	3209
Mean Length (cm)	33.5	35.0	34.2	36.30	36.65	36.49	38.04	38.64	38.32
Mean Weight (kg)	-	-	-	0.717	0.803	0.763	0.863	0.947	0.909
Total Weight Landed (tons)	-	-	-	-	-	130	-	-	578
Estimated Number Landed	-	-	-	-	-	170381	-	-	635864
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	110	-	-	110
Range of Depths (fm)	-	-	220-331	-	-	270-290	-	-	265-340

TABLE 64
(cont'd)

LENGTH FREQUENCIES - REDFISH - 2J - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Research)								
CATCHES/LANDINGS	Catches								
MONTH	September			October			November		
COUNTRY	USSR								
SPECIES OR TYPE	NK								
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	1800								
21	-	-	-	-	1	1	-	-	-
22	-	-	-	1	3	4	-	1	1
23	-	-	-	3	8	11	-	1	1
24	-	-	-	6	17	23	1	6	7
25	-	-	-	12	33	45	4	10	14
26	-	5	5	26	63	89	15	33	48
27	-	7	7	20	45	65	17	27	44
28	-	2	2	12	25	37	14	19	33
29	2	-	2	13	25	38	17	19	36
30	5	7	12	23	25	48	28	33	61
31	13	9	22	25	28	53	35	39	74
32	27	7	34	36	28	64	52	52	104
33	13	2	15	32	23	55	40	35	75
34	27	9	36	39	18	57	36	26	62
35	52	16	68	59	21	80	59	25	84
36	63	13	76	54	24	78	52	41	93
37	55	20	75	49	32	81	36	29	65
38	78	36	114	30	26	56	27	36	63
39	43	25	68	18	32	50	20	36	56
40	43	43	86	7	27	34	9	37	46
41	13	36	49	3	11	14	1	15	16
42	7	46	53	1	7	8	1	11	12
43	9	43	52	-	4	4	1	2	3
44	-	52	52	-	2	2	-	1	1
45	-	59	59	-	2	2	-	1	1
46	-	34	34	-	1	1	-	-	-
47	-	25	25	-	-	-	-	-	-
48	-	16	16	-	-	-	-	-	-
49	-	25	25	-	-	-	-	-	-
50	-	13	13	-	-	-	-	-	-
Total ‰/oo	450	550	1000	469	531	1000	465	535	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	-	1	1	1	-	-	-
Number of Fish Measured	199	243	442	3557	4034	7591	1606	1846	3452
Mean Length (cm)	36.70	41.59	39.39	33.19	31.85	32.48	33.44	33.53	33.49
Mean Weight (kg)	-	-	-	0.463	0.509	0.484	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	150	-	-	160
Estimated Number Landed	-	-	-	-	-	309917	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	110	-	-	110	-	-	110
Range of Depths (fm)	-	-	125-160	-	-	175-185	-	-	167-188

TABLE 65

LENGTH FREQUENCIES - REDFISH - 3K - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl											
	(Commercial)											
CATCHES/LANDINGS	Catches											
MONTH	March				April				May			
COUNTRY	Poland											
SPECIES OR TYPE	<i>S. mentella</i>						<i>S. marinus</i>			<i>S. mentella</i>		
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	2670											
21	1	1	2	-	1	1	-	-	-	-	-	-
22	2	-	2	1	1	2	-	-	-	1	1	2
23	2	3	5	1	2	3	-	-	-	1	-	1
24	5	3	8	2	2	4	-	-	-	2	1	3
25	10	6	16	4	4	8	-	-	-	3	3	6
26	11	13	24	5	6	11	-	-	-	7	5	12
27	20	16	36	9	7	16	-	-	-	11	9	20
28	34	30	64	14	15	29	-	-	-	19	16	35
29	23	29	52	10	17	27	-	-	-	16	19	35
30	30	26	56	16	23	39	-	-	-	16	19	35
31	28	24	52	18	22	40	1	-	1	21	16	37
32	32	17	49	28	23	51	1	-	1	27	18	45
33	41	14	55	49	19	68	-	-	-	54	24	78
34	44	18	62	52	22	74	1	1	2	69	22	91
35	53	25	78	61	20	81	1	2	3	73	23	96
36	39	21	60	56	22	78	2	3	5	61	22	83
37	27	24	51	35	22	57	1	-	1	46	22	68
38	15	33	48	19	29	48	-	1	1	26	32	58
39	9	20	29	9	26	35	3	-	3	8	27	35
40	4	33	37	4	54	58	6	4	10	4	45	49
41	1	32	33	1	60	61	6	5	11	1	37	38
42	1	43	44	1	62	63	10	12	22	1	46	47
43	1	43	44	1	39	40	6	12	18	-	37	37
44	1	30	31	1	36	37	12	19	31	-	30	30
45	-	30	30	-	31	31	12	30	42	-	23	23
46	-	16	16	-	18	18	17	27	44	-	15	15
47	-	9	9	-	10	10	17	50	67	-	11	11
48	-	3	3	-	4	4	19	54	73	-	6	6
49	-	2	2	-	2	2	30	46	76	-	2	2
50	-	1	1	-	1	1	23	43	66	-	1	1
51	-	1	1	-	1	1	24	49	73	-	1	1
52	-	-	-	-	-	-	12	61	73	-	-	-
53	-	-	-	-	-	-	7	51	58	-	-	-
54	-	-	-	-	-	-	5	67	72	-	-	-
55	-	-	-	-	-	-	4	79	83	-	-	-
56	-	-	-	-	-	-	-	53	53	-	-	-
57	-	-	-	-	-	-	-	44	44	-	-	-
58	-	-	-	-	-	-	-	44	44	-	-	-
59	-	-	-	-	-	-	-	19	19	-	-	-
60	-	-	-	-	-	-	-	16	16	-	-	-
61	-	-	-	-	-	-	-	5	5	-	-	-
62	-	-	-	-	-	-	-	1	1	-	-	-
63	-	-	-	-	-	-	-	1	1	-	-	-
64	-	-	-	-	-	-	-	1	1	-	-	-
Total ‰/oo	434	566	1000	398	602	1000	220	780	1000	467	533	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	4	-	-	5	-	-	1	-	-	6
Number of Fish Measured	-	-	2437	-	-	3997	-	-	962	-	-	3742
Mean Length (cm)	32.4	36.9	35.0	33.8	38.3	36.5	45.8	49.8	48.9	33.8	37.9	36.0
Mean Weight (kg)	-	-	-	-	-	-	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114	-	-	114	-	-	114
Range of Depths (fm)	-	-	174-282	-	-	150-257	-	-	191	-	-	151-230

GEAR	Otter Trawl					
	(Research)					
CATCHES/LANDINGS	Catches					
MONTH	June			July		
COUNTRY	USSR					
SPECIES OR TYPE	NK					
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	1800					
24	-	-	-	1	1	2
25	-	1	1	1	-	1
26	1	1	2	1	1	2
27	4	1	5	2	3	5
28	7	2	9	3	2	5
29	7	4	11	5	3	8
30	10	6	16	9	5	14
31	11	8	19	10	6	16
32	12	6	18	14	7	21
33	24	12	36	32	8	40
34	40	10	50	44	6	50
35	74	11	85	89	9	98
36	83	12	95	87	9	96
37	62	14	76	68	11	79
38	39	19	58	41	17	58
39	16	31	47	17	30	47
40	12	68	80	3	58	61
41	8	78	86	2	67	69
42	3	78	81	3	87	90
43	4	73	77	1	85	86
44	2	61	63	-	66	66
45	1	46	47	-	47	47
46	1	22	23	-	22	22
47	-	13	13	-	12	12
48	-	2	2	-	4	4
49	-	-	-	-	1	1
Total ‰	421	579	1000	433	567	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	-	-	-	-
Number of Fish Measured	1132	1556	2688	578	757	1335
Mean Length (cm)	35.55	40.88	38.63	35.34	41.24	38.68
Mean Weight (kg)	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	197	-	-	33
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	110	-	-	110
Range of Depths (fm)	-	-	182-190	-	-	175-215

TABLE 67

LENGTH FREQUENCIES - REDFISH - 3M - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl					
	(Commercial)			(Research)		
CATCHES/LANDINGS	Landings			Catches		
MONTH	May			August		
COUNTRY	United States			USSR		
SPECIES OR TYPE	NK			NK		
SEX	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	216-310			1800		
19	-	-	-	-	2	2
20	-	-	-	3	7	10
21	-	-	-	15	22	37
22	-	-	-	14	25	39
23	-	-	-	14	12	26
24	-	-	-	7	7	14
25	-	-	-	3	4	7
26	40	10	50	5	6	11
27	40	-	40	2	2	4
28	60	40	100	-	1	1
29	30	30	60	-	-	-
30	20	40	60	2	-	2
31	50	90	140	4	1	5
32	40	40	80	20	2	22
33	30	30	60	41	5	46
34	50	20	70	66	19	85
35	40	50	90	70	33	103
36	60	20	80	55	59	114
37	30	-	30	42	75	117
38	20	20	40	25	68	93
39	-	50	50	6	67	73
40	10	20	30	6	55	61
41	-	20	20	2	33	35
42	-	-	-	4	23	27
43	-	-	-	8	23	31
44	-	-	-	2	11	13
45	-	-	-	3	8	11
46	-	-	-	3	3	6
47	-	-	-	1	3	4
48	-	-	-	-	-	-
49	-	-	-	-	1	1
Total ‰	520	480	1000	423	577	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	-
Number of Fish Measured	52	48	100	1001	1370	2371
Mean Length (cm)	31.96	33.31	32.61	33.69	36.09	35.07
Mean Weight (kg)	0.50	0.56	0.53	-	-	-
Total Weight Landed (tons)	61	62	123	-	-	-
Estimated Number Landed	121300	112000	233300	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	2.5 ¹	-	-	110
Range of Depths (fm)	-	-	201-300	-	-	145-350

¹ Mesh size - inches

TABLE 68

LENGTH FREQUENCIES - REDFISH - 3N - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl					
	(Commercial)			(Research)		
CATCHES/LANDINGS	Landings after Discard			Catches		
MONTH	March			July		
COUNTRY	Canada (Newfoundland)			USSR		
SPECIES OF TYPE	<i>S. mentella</i>			NK		
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	501-900			1800		
19	4	-	4	1	1	2
20	-	-	-	1	-	1
21	-	-	-	1	1	2
22	-	-	-	3	5	8
23	-	-	-	2	3	5
24	4	-	4	10	5	15
25	-	4	4	14	12	26
26	7	4	11	27	11	38
27	47	4	51	36	14	50
28	54	11	65	39	21	60
29	47	11	58	14	17	31
30	47	25	72	19	22	41
31	54	7	61	27	19	46
32	98	22	120	24	24	48
33	83	4	87	17	28	45
34	109	11	120	23	21	44
35	69	4	73	58	36	94
36	91	11	102	59	28	87
37	36	7	43	43	38	81
38	-	29	29	44	36	80
39	-	18	18	19	33	52
40	-	29	29	15	47	62
41	-	22	22	7	28	35
42	-	18	18	3	19	22
43	-	7	7	1	10	11
44	-	-	-	1	8	9
45	-	4	4	-	4	4
46	-	-	-	-	1	1
Total ‰	750	252	1002	508	492	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	-
Number of Fish Measured	207	69	276	1755	1196	3451
Mean Length (cm)	32.25	35.77	33.13	32.85	34.98	33.90
Mean Weight (kg)	-	-	0.59	-	-	-
Total Weight Landed (tons)	-	-	7.1 ¹	-	-	-
Estimated Number Landed	-	-	12110	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	L ²	-	-	110
Range of Depths (fm)	-	-	60-100	-	-	108-275

¹ 14% of total weight landed was assigned to this depth zone

² large

TABLE 69

LENGTH FREQUENCIES - REDFISH - 3Pn - 1966

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl		
	(Commercial)		
CATCHES/LANDINGS	Landings After Discards		
MONTH	March		
COUNTRY	Canada (Newfoundland)		
SPECIES OR TYPE	<i>S. mentella</i>		
SEX	♂	♀	Tot.
TONNAGE	501-900		
15	1	-	1
16	1	1	2
17	1	-	1
18	6	1	7
19	6	3	9
20	8	7	15
21	8	14	22
22	17	21	38
23	20	25	45
24	37	30	67
25	41	37	78
26	31	44	75
27	38	18	56
28	34	37	71
29	32	20	52
30	49	23	72
31	34	17	51
32	45	14	59
33	58	18	76
34	38	28	66
35	24	32	56
36	4	21	25
37	-	17	17
38	-	16	16
39	3	8	11
40	1	3	4
41	-	1	1
42	-	1	1
43	-	1	1
44	-	-	-
45	-	1	1
Total %	537	459	996
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	382	327	709
Mean Length (cm)	28.62	29.15	28.86
Mean Weight (kg)	-	-	0.37
Total Weight Landed (tons)	-	-	9.1
Estimated Number Landed	-	-	24239
Mesh(mm) or Hook(no.) Size	-	-	L ¹
Range of Depths (fm)	-	-	120-130

1 Large

GEAR	Otter Trawl (Commercial)								
	CATCHES/LANDINGS			Landings After Discards					
MONTH	March			March			September		
COUNTRY	Canada (Newfoundland)								
SPECIES OR TYPE	<i>S. mentella</i>								
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-50			151-500					
15	-	-	-	-	2	2	-	2	2
16	-	-	-	-	-	-	-	-	-
17	-	-	-	5	2	7	-	-	-
18	3	-	3	5	-	5	-	-	-
19	3	-	3	12	2	14	-	2	2
20	3	3	6	27	22	49	2	2	4
21	6	6	12	39	20	59	2	-	2
22	11	6	17	49	17	66	7	2	9
23	29	14	43	59	44	103	6	17	23
24	43	26	69	86	49	135	22	15	37
25	54	14	68	113	47	160	18	17	35
26	77	9	86	96	49	145	43	18	61
27	72	23	95	32	69	101	72	28	100
28	86	43	129	10	39	49	67	28	95
29	66	57	123	22	22	44	102	44	146
30	23	52	75	5	7	12	98	76	174
31	14	74	88	7	12	19	44	81	125
32	6	66	72	5	-	5	15	46	61
33	-	43	43	-	-	-	4	26	30
34	-	32	32	-	2	2	6	26	32
35	-	20	20	2	-	2	15	4	19
36	-	9	9	-	2	2	4	7	11
37	-	6	6	-	2	2	13	4	17
38	-	-	-	-	-	-	2	6	8
39	-	3	3	2	7	9	2	4	6
40	-	-	-	-	-	-	-	2	2
41	-	-	-	-	5	5	-	4	4
Total %/oo	496	506	1002	576	421	997	544	461	1005
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1	-	-	2
Number of Fish Measured	173	176	349	235	173	408	293	248	541
Mean Length (cm)	26.56	29.96	28.28	24.37	25.75	24.95	28.81	29.90	29.31
Mean Weight (kg)	-	-	0.35	-	-	0.22	-	-	0.33
Total Weight Landed (tons)	-	-	85.7 ¹	-	-	47.8 ²	-	-	837.8 ³
Estimated Number Landed	-	-	244197	-	-	215200	-	-	2575397
Mesh(mm) or Hook(no.) Size	-	-	S ⁴	-	-	L ⁵	-	-	S ⁴
Range of Depths (fm)	-	-	95-150	-	-	120-170	-	-	150-160

¹ 27% of the total weight landed was assigned to this depth zone

² 9% of the total weight landed was assigned to this depth zone

³ 13% of the total weight landed was assigned to this depth zone

⁴ Small

⁵ Large

TABLE 70
(cont'd)

LENGTH FREQUENCIES - REDFISH - 3Ps - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings					
CATCHES/LANDINGS	October			November		
MONTH	Canada (Maritimes)			NK		
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SPECIES OR TYPE	151-500					
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500					
24	-	-	-	7	-	7
25	3	-	3	10	7	17
26	-	-	-	31	7	38
27	21	3	24	41	7	48
28	38	11	49	58	14	72
29	49	21	70	55	27	82
30	70	45	115	78	38	116
31	45	39	84	41	48	89
32	35	70	105	20	58	78
33	39	45	84	21	48	69
34	18	38	56	24	51	75
35	39	45	84	38	34	72
36	32	38	70	17	20	37
37	24	42	66	10	17	27
38	3	49	52	7	44	51
39	7	42	49	14	38	52
40	-	38	38	3	27	30
41	-	24	24	-	17	17
42	-	14	14	-	17	17
43	-	14	14	-	3	3
44	-	-	-	-	3	3
Total ‰	423	578	1001	475	525	1000
Serial Numbers	-	-	140	-	-	141
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	-	-	287	-	-	293
Mean Length (cm)	-	-	33.7	-	-	32.5
Mean Weight (kg)	-	-	0.56	-	-	0.49
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/8 ¹	-	-	3 7/8 ¹
Range of Depths (fm)	-	-	200-220	-	-	214-215

¹ Mesh size in inches

TABLE 71

LENGTH FREQUENCIES - REDFISH - 4R - 1966

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings After Discards						Landings		
MONTH	March			March			July		
COUNTRY	Canada (Newfoundland)						Canada (Maritimes)		
SPECIES OR TYPE	<i>S. mentella</i>						NK		
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500								
17	-	2	2	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-
19	2	4	6	-	-	-	4	-	4
20	6	10	16	-	-	-	19	-	19
21	10	2	12	3	-	3	26	-	26
22	2	4	6	3	-	3	30	4	34
23	2	4	6	8	18	26	49	8	57
24	6	8	14	13	19	32	98	26	124
25	10	6	16	27	8	35	57	34	91
26	18	10	28	29	18	47	114	30	144
27	24	16	40	29	19	48	68	30	98
28	12	18	30	67	32	99	76	26	102
29	24	10	34	32	40	72	64	80	144
30	62	18	80	18	29	47	30	38	68
31	60	14	74	3	13	16	8	30	38
32	52	36	88	19	11	30	-	11	11
33	52	56	108	27	13	40	-	8	8
34	76	74	150	32	16	48	-	-	-
35	24	50	74	51	27	78	-	-	-
36	10	70	80	64	32	96	-	8	8
37	4	36	40	21	53	74	4	8	12
38	6	36	42	11	37	48	-	4	4
39	-	26	26	5	37	42	-	-	-
40	-	14	14	3	56	59	-	-	-
41	-	8	8	-	37	37	-	4	4
42	-	2	2	-	11	11	-	-	-
43	-	-	-	-	11	11	-	4	4
44	-	-	-	-	-	-	-	-	-
45	-	2	2	-	-	-	-	-	-
Total %	462	536	998	465	537	1002	647	353	1000
Serial Numbers	-	-	-	-	-	-	-	-	142
Number of Samples	-	-	1	-	-	1	-	-	1
Number of Fish Measured	231	268	499	174	202	376	-	-	264
Mean Length (cm)	30.87	33.39	32.22	31.10	34.09	32.68	-	-	26.8
Mean Weight (kg)	-	-	0.51	-	-	0.56	-	-	0.24
Total Weight Landed (tons)	-	-	494.3 ¹	-	-	282.5 ¹	-	-	-
Estimated Number Landed	-	-	964079	-	-	503589	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	-	-	-	-
Range of Depths (fm)	-	-	160-180	-	-	140	-	-	135-140

¹ 16% of total weight landed was assigned to this depth zone

TABLE 71
(cont'd)

LENGTH FREQUENCIES - REDFISH - 4R - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings After Discards						Landings					
CATCHES/LANDINGS	August			September			September			October		
MONTH	Canada (Newfoundland)						Canada (Maritimes)					
COUNTRY	<i>S. mentella</i>						NK					
SPECIES OR TYPE	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	151-500											
TONNAGE												
14	-	-	-	-	-	-	-	-	-	-	-	2
15	-	-	-	-	1	1	-	-	9	-	-	5
16	-	3	3	-	-	-	-	-	9	-	-	9
17	-	-	-	-	-	-	-	-	2	-	-	6
18	3	3	6	-	1	1	-	-	5	-	-	2
19	-	-	-	-	-	-	-	-	2	-	-	3
20	-	3	3	1	-	1	-	-	7	-	-	6
21	3	-	3	2	3	5	-	-	7	-	-	12
22	16	-	16	6	3	9	-	-	28	-	-	14
23	13	29	42	26	19	45	-	-	65	-	-	26
24	54	44	98	59	39	98	-	-	104	-	-	60
25	79	86	165	84	60	144	-	-	79	-	-	85
26	127	73	200	87	62	149	-	-	97	-	-	94
27	57	63	120	78	34	112	-	-	106	-	-	92
28	48	57	105	67	35	102	-	-	106	-	-	99
29	44	51	95	51	48	99	-	-	102	-	-	119
30	13	41	54	30	59	89	-	-	51	-	-	101
31	16	25	41	17	41	58	-	-	62	-	-	79
32	-	19	19	3	31	34	-	-	18	-	-	62
33	6	6	12	2	8	10	-	-	42	-	-	27
34	-	10	10	3	4	7	-	-	25	-	-	22
35	-	-	-	5	2	7	-	-	12	-	-	19
36	-	3	3	1	2	3	-	-	9	-	-	15
37	-	3	3	3	2	5	-	-	18	-	-	10
38	-	-	-	5	1	6	-	-	9	-	-	15
39	-	-	-	1	6	7	-	-	12	-	-	6
40	-	-	-	-	5	5	-	-	9	-	-	6
41	-	-	-	-	-	-	-	-	2	-	-	4
42	-	-	-	-	-	-	-	-	2	-	-	-
Total ‰	479	519	998	531	466	997	-	-	999	-	-	1000
Serial Numbers	-	-	-	-	-	-	-	-	143-144	145-146 & 154-155	-	-
Number of Samples	-	-	1	-	-	3	-	-	2	-	-	4
Number of Fish Measured	151	164	315	508	445	953	-	-	433	-	-	1645
Mean Length (cm)	26.27	27.13	26.72	26.89	28.02	27.41	-	-	27.7	-	-	28.3
Mean Weight (kg)	-	-	0.28	-	-	0.30	-	-	0.34	-	-	0.36
Total Weight Landed (tons)	-	-	3740.4 ¹	-	-	1133.4 ²	-	-	-	-	-	-
Estimated Number Landed	-	-	13599836	-	-	3779930	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	3 ³	-	-	3-4 1/2 ³	-	-	3	-	-	3
Range of Depths (fm)	-	-	120-150	-	-	130-150	-	-	100-100	-	-	100-100

1 9% of total weight landed was assigned to this depth zone

2 22% of total weight landed was assigned to this depth zone

3 inches, corelene

TABLE 72

LENGTH FREQUENCIES - REDFISH - 4S - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl					
	(Commercial)					
CATCHES/LANDINGS	Landings					
MONTH	July			August		
COUNTRY	Canada (Maritimes)					
SPECIES OR TYPE	NK					
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	51-150			151-500		
21	5	-	5	-	-	-
22	-	-	-	-	-	-
23	10	-	10	-	-	-
24	30	10	40	-	4	4
25	10	10	20	-	-	-
26	40	15	55	18	9	27
27	30	25	55	18	9	27
28	50	30	80	72	18	90
29	65	55	120	90	14	104
30	60	115	175	86	23	109
31	40	80	120	77	50	127
32	30	95	125	36	27	63
33	5	30	35	27	27	54
34	10	5	15	18	22	40
35	15	5	20	40	14	54
36	15	10	25	32	40	72
37	10	10	20	13	32	45
38	5	25	30	27	40	67
39	-	25	25	18	32	50
40	-	10	10	-	27	27
41	-	-	-	-	18	18
42	-	10	10	-	9	9
43	-	5	5	-	13	13
Total ‰	430	570	1000	572	428	1000
Serial Numbers	-	-	147	-	-	148
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	-	-	200	-	-	222
Mean Length (cm)	-	-	30.6	-	-	32.8
Mean Weight (kg)	-	-	-	-	-	0.46
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	3 ¹	-	-	4 ¹
Range of Depths (fm)	-	-	130	-	-	175-205

1 inches

TABLE 73

LENGTH FREQUENCIES - REDFISH - 4R, 4S AND 4T - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
MONTH	June			July			August		
COUNTRY	United States								
SPECIES OR TYPE	NK								
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	105-440								
17	-	-	-	1	-	1	-	-	-
18	-	-	-	-	-	-	2	2	4
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	2	2	4
21	-	-	-	4	-	4	4	-	4
22	3	-	3	17	4	21	12	6	18
23	17	3	20	42	19	61	30	20	50
24	40	17	57	70	46	116	52	48	110
25	53	33	87	64	61	125	84	54	138
26	70	40	110	56	57	114	74	54	128
27	97	57	153	82	55	138	72	58	130
28	103	53	157	85	57	143	82	56	138
29	73	87	160	52	72	125	54	72	126
30	40	93	133	22	71	94	32	56	88
31	10	67	77	7	29	36	10	34	44
32	3	20	23	2	9	11	-	6	6
33	-	7	7	1	1	2	2	4	6
34	-	3	3	5	1	6	-	2	2
35	3	3	7	1	-	1	2	-	2
36	3	-	3	-	-	-	2	-	2
37	-	-	-	-	1	1	-	-	-
Total ‰	517	483	1000	515	485	1000	526	474	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	3	-	-	8	-	-	5
Number of Fish Measured	155	145	300	412	388	800	263	237	500
Mean Length (cm)	27.20	28.64	27.90	26.35	27.39	26.86	26.44	27.26	26.83
Mean Weight (kg)	0.32	0.37	0.34	0.29	0.33	0.31	0.29	0.32	0.31
Total Weight Landed (tons)	539	587	1126	1140	1200	2340	1821	1796	3617
Estimated Number Landed	17005 ¹	15907 ¹	32912 ¹	39184 ¹	36901 ¹	76085 ¹	62005 ¹	55875 ¹	117880 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	101-150	-	-	101-150	-	-	101-150

¹ Numbers in 100's² inches

TABLE 73
(cont'd)

LENGTH FREQUENCIES - REDFISH - 4R, 4S AND 4T - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings					
CATCHES/LANDINGS	September		October			
MONTH	United States					
COUNTRY	NK					
SPECIES OR TYPE	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	105-440					
18	5	-	5	-	-	-
19	1	-	1	-	-	-
20	4	-	4	-	2	2
21	7	1	8	2	-	2
22	15	8	23	7	5	12
23	43	25	68	30	17	47
24	105	34	139	72	30	102
25	100	61	161	95	65	160
26	91	52	143	80	65	145
27	65	58	123	62	65	128
28	60	53	113	50	60	110
29	36	37	73	45	62	108
30	21	51	72	20	75	95
31	14	25	39	10	40	50
32	3	9	12	-	12	12
33	2	4	6	5	2	8
34	1	1	2	-	2	2
35	-	3	3	5	2	8
36	1	2	3	2	-	2
37	-	-	-	-	5	5
38	-	1	1	-	-	-
39	-	-	-	-	-	-
40	-	-	-	-	-	-
41	-	1	1	-	-	-
Total ‰	574	426	1000	487	512	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	10	-	-	4
Number of Fish Measured	574	426	1000	195	205	400
Mean Length (cm)	25.81	27.24	26.42	26.33	27.66	27.01
Mean Weight (kg)	0.27	0.32	0.29	0.29	0.34	0.31
Total Weight Landed (tons)	1357	1184	2541	984	1197	2181
Estimated Number Landed	49493 ¹	36732 ¹	86225 ¹	33888 ¹	35626 ¹	69513 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	101-151	-	-	101-150

¹ Numbers in 100's² inches

TABLE 74

LENGTH FREQUENCIES - REDFISH - 4Vn - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)		
CATCHES/LANDINGS	Landings		
MONTH	March		
COUNTRY	Canada (Maritimes)		
SPECIES OR TYPE	NK		
SEX	♂♂	♀♀	Tot.
TONNAGE	151-500		
25	6	-	6
26	9	-	9
27	6	-	6
28	34	-	34
29	37	-	37
30	62	3	65
31	59	3	62
32	47	3	50
33	31	12	43
34	12	47	59
35	28	72	100
36	16	75	91
37	16	90	106
38	9	87	96
39	9	62	71
40	3	72	75
41	-	28	28
42	-	9	9
43	-	9	9
44	-	12	12
45	-	3	3
46	-	16	16
47	-	9	9
48	-	-	-
49	-	-	-
50	-	3	3
Total ‰	384	615	999
Serial Numbers	-	-	13
Number of Samples	-	-	1
Number of Fish Measured	-	-	322
Mean Length (cm)	-	-	35.5
Mean Weight (kg)	-	-	0.73
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	3 7/8 ¹
Range of Depths (fm)	-	-	120-150

¹ inches

TABLE 75

LENGTH FREQUENCIES - REDFISH - 4V - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl					
	(Commercial)					
CATCHES/LANDINGS	Landings					
MONTH	June		United States		November	
COUNTRY	NK					
SPECIES OR TYPE	NK					
SEX	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	73-440					
23	10	-	10	-	-	-
24	-	10	10	-	-	-
25	20	20	40	-	-	-
26	50	30	80	-	-	-
27	110	20	130	10	20	30
28	80	50	130	40	10	50
29	130	20	150	110	-	110
30	110	-	110	60	70	130
31	100	40	140	50	60	110
32	20	60	80	10	20	30
33	-	30	30	-	70	70
34	10	-	10	30	40	70
35	-	40	40	50	50	100
36	-	30	30	20	30	50
37	-	-	-	20	80	100
38	-	-	-	-	40	40
39	-	10	10	-	50	50
40	-	-	-	-	40	40
41	-	-	-	-	10	10
42	-	-	-	-	-	-
43	-	-	-	-	10	10
Total ‰	640	360	1000	400	600	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	64	36	100	40	60	100
Mean Length (cm)	28.73	30.72	29.45	31.20	34.65	33.27
Mean Weight (kg)	0.37	0.46	0.40	0.48	0.65	0.58
Total Weight Landed (tons)	63	44	107	115	237	352
Estimated Number Landed	1702 ¹	958 ¹	2660 ¹	2411 ¹	3617 ¹	6028 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	61-100	-	-	201-300

¹ Numbers in 100's
² inches

TABLE 76

LENGTH FREQUENCIES - REDFISH - 4W - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
CATCHES/LANDINGS	Landings					
MONTH	February			March		
COUNTRY	United States					
SPECIES OR TYPE	NK					
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	51-440					
17	-	-	-	2	-	2
18	-	-	-	-	-	-
19	-	-	-	6	-	6
20	-	-	-	6	2	8
21	-	-	-	10	6	16
22	5	-	5	20	16	36
23	50	5	55	34	16	50
24	135	30	165	118	32	150
25	160	85	245	116	48	164
26	45	80	125	74	90	164
27	10	70	80	36	76	112
28	5	110	115	12	124	136
29	-	95	95	4	70	74
30	-	95	95	-	54	54
31	-	20	20	-	16	16
32	-	-	-	-	8	8
33	-	-	-	-	4	4
Total ‰	410	590	1000	438	562	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	2	-	-	5
Number of Fish Measured	82	118	200	219	281	500
Mean Length (cm)	24.59	27.52	26.31	24.61	27.14	26.03
Mean Weight (kg)	0.23	0.33	0.29	0.24	0.32	0.28
Total Weight Landed (tons)	339	685	1024	532	914	1446
Estimated Number Landed	14556 ¹	20946 ¹	35501 ¹	22548 ¹	28932 ¹	51480 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	101-150	-	-	61-150

¹ Numbers in 100's
² inches

TABLE 76
(cont'd)

LENGTH FREQUENCIES - REDFISH - 4W - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings								
CATCHES/LANDINGS	April			June			September		
MONTH	United States								
COUNTRY	NK								
SPECIES OR TYPE	51-440								
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE									
16	10	-	10	-	-	-	-	-	-
17	-	-	-	1	-	1	-	-	-
18	30	-	30	-	-	-	-	-	-
19	-	-	-	-	1	1	-	-	-
20	20	10	30	3	-	3	-	-	-
21	20	30	50	-	1	1	10	-	10
22	60	20	80	18	2	20	-	-	-
23	60	10	70	103	1	104	30	-	30
24	90	60	150	105	25	130	40	10	50
25	30	20	50	82	82	163	70	40	110
26	70	70	140	89	76	165	40	60	100
27	50	50	100	60	70	130	120	50	170
28	-	50	50	31	53	84	40	20	60
29	10	60	70	13	20	33	30	40	70
30	-	60	60	14	60	74	20	50	70
31	-	40	40	13	16	29	30	40	70
32	-	60	60	6	23	29	-	20	20
33	-	10	10	1	7	8	10	90	100
34	-	-	-	-	2	2	-	50	50
35	-	-	-	-	9	9	-	30	30
36	-	-	-	-	6	6	-	30	30
37	-	-	-	-	2	2	-	10	10
38	-	-	-	-	3	3	-	10	10
39	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-
41	-	-	-	-	1	1	-	-	-
42	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	10	10
Total ‰	450	550	1000	540	460	1000	440	560	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	3	-	-	1
Number of Fish Measured	45	55	100	169	131	300	44	56	100
Mean Length (cm)	23.53	27.35	25.63	25.32	27.79	26.46	26.68	30.79	28.98
Mean Weight (kg)	0.21	0.33	0.28	0.26	0.34	0.30	0.30	0.47	0.39
Total Weight Landed (tons)	210	401	611	578	654	1232	14	27	41
Estimated Number Landed	9946 ¹	12156 ¹	22102 ¹	22368 ¹	19037 ¹	41405 ¹	454 ¹	577 ¹	1031 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	61-100	-	-	101-150	-	-	61-100

¹ Numbers in 100's² inches

TABLE 77

LENGTH FREQUENCIES - REDFISH - 4X - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	January			February			March			April		
MONTH	United States											
COUNTRY	NK											
SPECIES OR TYPE	NK											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	51-440											
16	-	-	-	10	-	10	-	-	-	2	-	2
17	-	-	-	10	-	10	3	-	3	4	-	4
18	-	-	-	10	-	10	16	-	16	12	4	16
19	-	-	-	40	10	50	-	-	-	11	4	15
20	-	-	-	60	30	90	13	17	30	18	12	30
21	-	-	-	10	30	40	51	25	77	26	22	48
22	-	-	-	80	20	100	67	13	80	54	26	80
23	5	-	5	160	10	170	70	33	103	80	24	104
24	65	-	65	110	20	130	103	50	153	82	46	128
25	180	5	185	100	70	170	83	37	120	70	76	146
26	140	35	175	-	100	100	57	50	107	38	74	112
27	65	45	110	10	30	40	43	33	77	16	78	94
28	20	125	145	-	10	10	23	50	73	4	54	58
29	5	130	135	-	10	10	7	47	53	2	50	52
30	5	135	140	-	30	30	3	53	57	-	42	42
31	5	30	35	-	10	10	-	27	27	-	12	12
32	-	5	5	-	20	20	-	13	13	-	8	8
33	-	-	-	-	-	-	-	7	7	-	8	8
34	-	-	-	-	-	-	-	7	7	-	2	2
35	-	-	-	-	-	-	-	3	3	-	-	-
Total ‰	490	510	1000	600	400	1000	540	460	1000	424	576	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	2	-	-	1	-	-	3	-	-	5
Number of Fish Measured	98	102	200	60	40	100	162	138	300	212	288	500
Mean Length (cm)	25.67	28.75	27.24	22.55	25.37	23.68	23.93	26.74	25.22	23.27	25.98	24.83
Mean Weight (kg)	0.26	0.37	0.32	0.19	0.27	0.22	0.22	0.31	0.26	0.20	0.28	0.25
Total Weight Landed (tons)	522	756	1278	386	371	757	320	384	704	278	527	805
Estimated Number Landed	19710 ¹	20515 ¹	40225 ¹	20883 ¹	13922 ¹	34806 ¹	14563 ¹	12405 ¹	26968 ¹	13727 ¹	18648 ¹	32375 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	-101-150	-	-	61-100	-	-	61-100	-	-	61-100

¹ Numbers in 100's² Inches

TABLE 77
(cont'd)

LENGTH FREQUENCIES - REDFISH - 4X - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	May			June			July			August		
MONTH	United States											
COUNTRY	NK											
SPECIES OR TYPE	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	51-440											
TONNAGE												
16	1	-	1	-	3	3	6	-	6	3	-	3
17	9	-	9	15	-	15	18	-	18	10	-	10
18	17	4	21	20	10	30	32	4	36	10	-	10
19	14	7	21	15	23	38	22	14	36	17	7	23
20	29	19	47	43	23	65	26	22	48	30	10	40
21	26	16	41	43	60	103	30	24	54	43	3	47
22	64	33	97	71	28	98	48	24	72	97	60	157
23	66	27	93	68	20	88	60	30	90	77	57	133
24	86	44	130	78	25	103	78	36	114	97	57	153
25	76	39	114	91	38	128	54	28	82	70	63	133
26	74	33	107	43	33	76	66	44	110	27	27	53
27	23	54	77	18	38	55	28	42	70	27	63	90
28	17	40	57	8	38	45	14	58	72	7	33	40
29	4	37	41	8	43	50	4	40	44	-	33	33
30	-	41	41	-	33	33	2	34	36	-	33	33
31	-	44	44	-	23	23	-	42	42	-	20	20
32	-	27	27	-	25	25	-	42	42	-	10	10
33	-	21	21	-	13	13	-	18	18	-	3	3
34	-	3	3	-	5	5	-	4	4	-	7	7
35	-	3	3	-	3	3	-	2	2	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	1	1	-	-	-	-	-	-	-	-	-
Total ‰/oo	506	494	1000	519	481	1000	490	510	1000	513	487	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	7	-	-	4	-	-	5	-	-	3
Number of Fish Measured	354	346	700	208	192	400	246	254	500	154	146	300
Mean Length (cm)	23.51	26.80	25.14	23.01	25.64	24.27	23.04	26.76	24.94	22.97	25.77	24.33
Mean Weight (kg)	0.21	0.32	0.26	0.20	0.28	0.24	0.20	0.31	0.26	0.20	0.28	0.24
Total Weight Landed (tons)	584	857	1441	671	890	1561	458	749	1207	166	224	390
Estimated Number Landed	27802 ¹	27174 ¹	54976 ¹	33984 ¹	31509 ¹	65493 ¹	22849 ¹	23786 ¹	46635 ¹	8504 ¹	8063 ¹	16567 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	61-100	-	-	61-100	-	-	61-100	-	-	61-100

¹ Numbers in 100's² inches

TABLE 77
(cont'd)

LENGTH FREQUENCIES - REDFISH - 4X - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

DEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
MONTH	August			September			October		
COUNTRY	Canada (Maritimes)			United States			Canada (Maritimes)		
SPECIES OR TYPE	NK								
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500			51-440			151-500		
17	-	-	-	4	-	4	-	-	-
18	-	-	-	12	-	12	-	-	-
19	-	-	2	10	2	12	-	-	-
20	-	-	5	18	2	20	-	-	1
21	-	-	6	27	6	33	-	-	2
22	-	-	9	25	10	35	-	-	5
23	-	-	9	47	17	64	-	-	7
24	-	-	9	55	28	83	-	-	4
25	-	-	14	58	28	86	-	-	13
26	-	-	27	38	53	91	-	-	37
27	-	-	49	54	50	104	-	-	42
28	-	-	49	48	35	83	-	-	47
29	-	-	58	39	34	73	-	-	53
30	-	-	54	21	37	59	-	-	63
31	-	-	57	21	30	52	-	-	65
32	-	-	51	3	49	52	-	-	71
33	-	-	82	6	48	54	-	-	59
34	-	-	68	-	34	34	-	-	48
35	-	-	70	-	28	28	-	-	57
36	-	-	43	-	18	18	-	-	37
37	-	-	54	-	3	3	-	-	46
38	-	-	41	-	3	3	-	-	32
39	-	-	55	-	-	-	-	-	66
40	-	-	44	-	-	-	-	-	71
41	-	-	58	-	-	-	-	-	67
42	-	-	36	-	-	-	-	-	47
43	-	-	28	-	-	-	-	-	36
44	-	-	14	-	-	-	-	-	16
45	-	-	5	-	-	-	-	-	6
46	-	-	2	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	2
Total ‰	-	-	999	486	514	1000	-	-	1000
Serial Numbers	-	-	149	-	-	-	-	-	150-151
Number of Samples	-	-	1	-	-	4	-	-	2
Number of Fish Measured	-	-	633	204	196	400	-	-	1005
Mean Length (cm)	-	-	33.9	25.32	29.30	27.36	-	-	34.5
Mean Weight (kg)	-	-	0.73	0.26	0.41	0.34	-	-	0.82
Total Weight Landed (tons)	-	-	-	82	134	216	-	-	-
Estimated Number Landed	-	-	-	3111 ¹	3291 ¹	6402 ¹	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4.5 ²	-	-	2.5 ²	-	-	3 ²
Range of Depths (fm)	-	-	180-250	-	-	61-100	-	-	194-250

¹ Numbers in 100's
² inches

TABLE 77
(cont'd)

LENGTH FREQUENCIES - REDFISH - 4X - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings					
CATCHES/LANDINGS	December			December		
MONTH	Canada (Maritimes)			United States		
COUNTRY						
SPECIES OR TYPE	NK					
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500			51-440		
18	-	-	-	10	-	10
19	-	-	-	-	-	-
20	-	-	-	10	-	10
21	-	-	-	10	20	30
22	-	-	-	30	40	70
23	-	-	-	70	40	110
24	-	-	-	40	40	80
25	-	-	-	60	40	100
26	-	-	8	70	70	140
27	-	-	-	60	110	170
28	-	-	48	30	50	80
29	-	-	65	-	50	50
30	-	-	153	-	70	70
31	-	-	161	-	40	40
32	-	-	97	-	20	20
33	-	-	97	-	20	20
34	-	-	40	-	-	-
35	-	-	121	-	-	-
36	-	-	105	-	-	-
37	-	-	81	-	-	-
38	-	-	16	-	-	-
39	-	-	8	-	-	-
Total ‰	-	-	1000	390	610	1000
Serial Numbers	-	-	152	-	-	-
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	-	-	124	39	61	100
Mean Length (cm)	-	-	32.6	24.62	26.98	26.06
Mean Weight (kg)	-	-	0.58	0.24	0.32	0.29
Total Weight Landed (tons)	-	-	-	74	153	227
Estimated Number Landed	-	-	-	3106 ¹	4858 ¹	7964 ¹
Mesh(mm) or Hook(no.) Size	-	-	4.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	100-114	-	-	61-100

¹ Numbers in 100's² inches

TABLE 78

LENGTH FREQUENCIES - REDFISH - 5Y - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings											
CATCHES/LANDINGS	March			April			May			June		
MONTH	United States											
COUNTRY	NK											
SPECIES OR TYPE	0-310											
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE												
16	5	-	5	-	-	-	-	-	-	-	-	-
17	10	-	10	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	5	5	10	-	-	-	-	-	-	-	-	-
20	5	5	10	-	-	-	20	-	20	-	10	10
21	30	15	45	-	-	-	20	20	40	10	-	10
22	50	5	55	30	20	50	40	10	50	30	10	40
23	40	30	70	50	20	70	50	10	60	60	20	80
24	45	35	80	140	40	180	110	40	150	70	30	100
25	70	45	116	150	60	210	220	50	270	60	50	110
26	50	20	70	130	40	170	80	50	130	110	50	160
27	50	70	121	50	40	90	20	50	70	40	50	90
28	45	50	95	20	120	140	50	40	90	20	100	120
29	20	55	75	10	20	30	20	20	40	20	70	90
30	20	70	90	-	50	50	20	30	50	20	40	60
31	5	30	35	-	-	-	-	10	10	-	60	60
32	5	30	35	-	10	10	10	10	20	-	60	60
33	-	5	5	-	-	-	-	-	-	-	10	10
34	-	30	30	-	-	-	-	-	-	-	-	-
35	-	10	10	-	-	-	-	-	-	-	-	-
36	-	10	10	-	-	-	-	-	-	-	-	-
37	-	15	15	-	-	-	-	-	-	-	-	-
38	-	5	5	-	-	-	-	-	-	-	-	-
Total ‰	457	543	1000	580	420	1000	660	340	1000	440	460	1000
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	2	-	-	1	-	-	1	-	-	1
Number of Fish Measured	92	108	200	58	42	100	66	34	100	44	56	100
Mean Length (cm)	24.90	28.35	26.77	25.00	26.76	25.74	25.02	26.35	25.47	25.25	27.93	26.75
Mean Weight (kg)	0.20	0.31	0.26	0.24	0.30	0.27	0.25	0.29	0.26	0.25	0.34	0.31
Total Weight Landed (tons)	105	191	296	555	496	1051	364	220	584	185	320	505
Estimated Number Landed	5205 ¹	6177 ¹	11382 ¹	22583 ¹	16353 ¹	38936 ¹	14601 ¹	7522 ¹	22123 ¹	7256 ¹	9235 ¹	16490 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	61-100	-	-	61-100	=	=	61-100	-	-	61-100

¹ Numbers in 100's² inches

TABLE 78
(cont'd)

LENGTH FREQUENCIES - REDFISH - 5Y - 1966

(FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
MONTH	August			September			October		
COUNTRY	United States								
SPECIES OR TYPE	NK								
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	0-310								
22	10	-	10	-	20	20	-	-	-
23	10	10	20	20	-	20	10	10	20
24	50	60	110	30	10	40	30	30	60
25	80	50	130	50	30	80	30	10	40
26	50	90	140	40	-	40	110	20	130
27	50	60	110	100	30	130	90	20	110
28	40	60	100	110	30	140	80	30	110
29	30	70	100	60	20	80	70	30	100
30	-	80	80	20	40	60	90	40	130
31	-	70	70	10	20	30	10	70	80
32	-	40	40	40	50	90	-	80	80
33	-	40	40	-	60	60	-	40	40
34	-	30	30	10	80	90	-	30	30
35	-	10	10	-	70	70	-	40	40
36	-	10	10	-	10	10	-	20	20
37	-	-	-	-	30	30	-	10	10
38	-	-	-	-	10	10	-	-	-
Total %/00	320	680	1000	490	510	1000	520	480	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1	-	-	1
Number of Fish Measured	32	68	100	49	51	100	52	48	100
Mean Length (cm)	25.91	28.61	27.78	27.59	31.53	29.60	27.44	30.69	29.00
Mean Weight (kg)	0.22	0.31	0.28	0.27	0.42	0.35	0.27	0.39	0.32
Total Weight Landed (tons)	81	242	323	145	234	379	158	213	371
Estimated Number Landed	3654 ¹	7765 ¹	11418 ¹	5304 ¹	5521 ¹	10825 ¹	5964 ¹	5506 ¹	11470 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	101-150	-	-	61-100	-	-	61-100

¹ Numbers in 100's² inches

TABLE 79

LENGTH FREQUENCIES - REDFISH - 5Z - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
MONTH	March			April			May		
COUNTRY	United States								
SPECIES OR TYPE	NK								
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	0-310								
19	5	-	5	10	-	10	-	-	-
20	-	-	-	10	5	15	-	-	-
21	5	-	5	10	5	15	10	-	10
22	5	5	10	20	25	45	20	60	80
23	15	-	15	35	20	55	10	80	90
24	30	20	50	35	15	50	140	20	160
25	50	20	70	45	10	55	150	20	170
26	30	15	45	50	15	65	130	50	180
27	55	15	70	60	25	85	40	100	140
28	90	40	130	75	75	150	20	40	60
29	85	60	145	50	70	120	10	50	60
30	40	75	115	5	55	60	-	40	40
31	35	50	85	15	55	70	-	-	-
32	20	50	70	-	40	40	-	-	-
33	-	55	55	-	35	35	-	10	10
34	-	40	40	5	50	55	-	-	-
35	-	20	20	-	20	20	-	-	-
36	-	20	20	-	35	35	-	-	-
37	-	20	20	-	15	15	-	-	-
38	-	15	15	-	-	-	-	-	-
39	-	10	10	-	5	5	-	-	-
40	-	5	5	-	-	-	-	-	-
Total ‰	465	535	1000	425	575	1000	530	470	1000
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	2	-	-	2	-	-	1
Number of Fish Measured	93	107	200	85	115	200	53	47	100
Mean Length (cm)	27.53	31.10	29.44	26.04	29.95	28.28	25.09	26.04	25.54
Mean Weight (kg)	0.27	0.40	0.34	0.28	0.44	0.37	0.25	0.28	0.26
Total Weight Landed (tons)	177	304	481	99	205	304	160	162	322
Estimated Number Landed	6523 ¹	7505 ¹	14027 ¹	3487 ¹	4718 ¹	8204 ¹	6460 ¹	5729 ¹	12189 ¹
Mesh(mm) or Hook(no.) Size	-	-	2.5 ²	-	-	2.5 ²	-	-	2.5 ²
Range of Depths (fm)	-	-	61-100	-	-	61-100	-	-	61-100

1 Numbers in 100's
2 inches

TABLE 80

AGE FREQUENCIES - REDFISH - 2H - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Research)					
CATCHES/LANDINGS		Catches					
MONTH		November					
COUNTRY		USSR					
SPECIES OR TYPE		NK					
TONNAGE		1800					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.
1958	8	3	-	3	27.00	-	27.00
1957	9	7	7	14	29.50	32.50	31.00
1956	10	17	7	24	31.20	31.00	31.14
1955	11	3	14	17	34.00	33.75	33.80
1954	12	7	21	28	33.50	34.67	34.37
1953	13	10	17	27	34.33	35.80	35.25
1952	14	31	31	62	36.33	36.55	36.44
1951	15	60	92	152	36.88	38.38	37.79
1950	16	96	106	202	38.00	39.37	38.72
1949	17	52	71	123	38.53	40.05	39.40
1948	18	31	82	113	40.00	40.69	40.50
1947	19	38	84	122	40.63	41.75	41.40
1946	20	7	52	59	41.00	42.67	42.47
1945	21	3	10	13	41.00	45.33	44.25
1944	22	-	21	21	-	44.12	44.12
1943	23	7	-	7	45.50	-	45.50
1942	24	-	7	7	-	47.50	47.50
1941	25	-	3	3	-	48.00	48.00
1940	26	-	3	3	-	50.00	50.00
Total ‰/oo		372	628	1000			
Serial Numbers		59	59	59			
Number of Samples		-	-	1			
Number of Fish Aged		107	179	286			
Mean Age		15.85	16.87	16.49			
Mean Weight (kg)		0.798	0.985	0.915			
Total Weight Landed (tons)		-	-	40			
Estimated Number Landed		-	-	43716			
Mesh(mm) or Hook(no.) Size		-	-	110			
Range of Depths (fm)		-	-	192-200			

TABLE 81

AGE FREQUENCIES - REDFISH - 2J - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Research)											
CATCHES/LANDINGS		Catches											
MONTH		February						June					
COUNTRY		USSR											
SPECIES OR TYPE		NK											
TONNAGE		1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1957	9	15	-	15	29.25	-	29.25	4	1	5	28.67	27.00	28.25
1956	10	15	19	34	30.00	30.60	30.33	4	3	7	31.00	28.50	30.00
1955	11	33	30	63	33.11	31.75	32.47	5	5	10	33.75	31.75	32.75
1954	12	89	48	137	34.12	33.30	33.84	11	7	18	34.12	34.00	34.07
1953	13	63	38	101	35.18	34.70	35.00	16	14	30	35.50	35.40	35.45
1952	14	75	119	194	36.50	35.90	36.13	50	32	82	36.64	36.39	36.54
1951	15	82	60	142	37.68	37.06	37.42	71	51	122	37.82	37.40	37.65
1950	16	63	78	141	38.35	38.38	38.37	56	76	132	39.10	38.75	38.90
1949	17	-	45	45	-	39.41	39.41	40	44	84	40.17	40.09	40.13
1948	18	19	15	34	40.80	40.25	40.55	67	39	106	41.39	40.77	41.25
1947	19	11	26	37	42.33	41.43	41.70	52	58	110	42.55	41.75	42.14
1946	20	4	19	23	42.00	42.00	42.00	30	59	89	43.14	42.40	42.65
1945	21	-	15	15	-	44.75	44.75	29	47	76	43.95	43.74	43.82
1944	22	4	11	15	44.00	44.00	44.00	15	50	65	45.64	45.19	45.72
1943	23	-	4	4	-	45.00	45.00	4	28	32	47.00	45.65	45.83
1942	24	-	-	-	-	-	-	3	18	21	-	46.84	46.93
1941	25	-	-	-	-	-	-	3	7	10	-	47.40	47.43
1940	26	-	-	-	-	-	-	-	1	1	-	50.00	50.00
Total ‰		473	527	1000				460	540	1000			
Serial Numbers		10	10	10				-	-	-			
Number of Samples		-	-	1				-	-	3			
Number of Fish Aged		127	141	268				333	391	724			
Mean Age		13.82	15.11	14.50				16.91	18.30	17.66			
Mean Weight (kg)		0.729	0.818	0.773				0.857	0.940	0.902			
Total Weight Landed (tons)		-	-	130				-	-	578			
Estimated Number Landed		-	-	168176				-	-	640798			
Mesh(mm) or Hook(no.) Size		-	-	110				-	-	110			
Range of Depths (fm)		-	-	270-290				-	-	265-340			

TABLE 81
(cont'd)

AGE FREQUENCIES - REDFISH - 2J - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Research)					
CATCHES/LANDINGS		Catches					
MONTH		October					
COUNTRY		USSR					
SPECIES OR TYPE		NK					
TONNAGE		1800					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		♂	♀	Tot.	♂	♀	Tot.
1961	5	3	3	6	23.00	22.00	22.50
1960	6	20	14	34	24.50	23.00	23.90
1959	7	55	63	118	25.94	26.33	26.15
1958	8	62	52	114	26.83	26.20	26.54
1957	9	65	58	123	28.84	28.82	28.83
1956	10	62	52	114	30.55	30.53	30.55
1955	11	45	45	90	32.23	32.46	32.35
1954	12	69	34	103	33.45	34.30	33.73
1953	13	38	17	55	34.54	35.20	34.75
1952	14	38	27	65	35.73	36.25	35.95
1951	15	55	45	100	36.56	37.92	37.17
1950	16	14	34	48	37.00	39.00	38.43
1949	17	3	7	10	40.00	40.00	40.00
1948	18	7	10	17	39.00	39.67	39.40
1947	19	-	-	-	-	-	-
1946	20	-	3	3	-	41.00	41.00
Total ‰		536	464	1000			
Serial Numbers		58	58	58			
Number of Samples		-	-	1			
Number of Fish Aged		156	135	291			
Mean Age		10.80	10.97	10.88			
Mean Weight (kg)		0.451	0.507	0.476			
Total Weight Landed (tons)		-	-	150			
Estimated Number Landed		-	-	315126			
Mesh(mm) or Hook(no.) Size		-	-	110			
Range of Depths (fm)		-	-	140-160			

TABLE 82

AGE FREQUENCIES - REDFISH - 3L - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Research)					
CATCHES/LANDINGS		Catches					
MONTH		June					
COUNTRY		USSR					
SPECIES OR TYPE		NK					
TONNAGE		1800					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1958	8	4	4	8	28.00	28.00	28.00
1957	9	17	8	25	28.50	28.50	28.50
1956	10	13	8	21	30.00	30.50	30.20
1955	11	38	8	46	32.33	30.50	32.00
1954	12	64	4	68	33.87	34.00	33.87
1953	13	76	8	84	35.11	35.50	35.15
1952	14	59	4	63	36.60	37.00	36.40
1951	15	51	47	98	37.08	37.82	37.43
1950	16	4	86	90	39.00	38.60	38.62
1949	17	-	76	76	-	39.89	39.89
1948	18	4	95	99	41.00	40.86	40.89
1947	19	-	98	98	-	41.30	41.30
1946	20	-	72	72	-	42.35	42.35
1945	21	4	51	55	45.00	43.08	43.23
1944	22	-	55	55	-	44.00	44.00
1943	23	-	34	34	-	45.50	45.50
1942	24	-	8	8	-	46.50	46.50
Total ‰		334	666	1000			
Serial Numbers		33	33	33			
Number of Samples		-	-	1			
Number of Fish Aged		79	157	236			
Mean Age		12.89	18.18	16.40			
Mean Weight (kg)		-	-	-			
Total Weight Landed (tons)		-	-	28			
Estimated Number Landed		-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	110			
Range of Depths (fm)		-	-	182-190			

TABLE 83

AGE/LENGTH KEYS AND FREQUENCIES (REDFISH) - 1966

(Available on request from the Secretariat)

In accordance with an recommendation made by the Research and Statistics Committee at their Annual Meeting in 1962 and reaffirmed in 1965, Age/Length Keys and Frequencies will not be published but are to be deposited in the Secretariat and made available to Member Countries on request. The following Age/Length Keys and Frequencies for redfish are now on file in the Secretariat.

GEAR: Otter Trawl

U. S. S. R.

DIVISION	MONTH
2H	November
2J	February June October
3L	June

TABLE 84

LENGTH FREQUENCIES - SILVER HAKE - 4W - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)				
	Catches				
CATCHES/LANDINGS	June	July	August	September	October
MONTH	USSR				
COUNTRY	Over 1800				
TONNAGE					
20	12	2	-	13	-
22	82	12	1	140	10
24	136	48	28	428	110
26	59	60	47	320	275
28	98	110	79	80	213
30	163	227	205	10	210
32	234	250	329	3	133
34	112	148	151	3	30
36	60	82	81	3	7
38	30	34	41	-	4
40	9	15	22	-	4
42	5	6	13	-	4
44	-	4	3	-	-
46	-	1	-	-	-
48	-	1	-	-	-
50	-	+	-	-	-
Total ‰	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-
Number of Samples	4	14	4	1	1
Number of Fish Measured	1300	4630	1461	300	300
Mean Length (cm)	30.0	31.8	32.5	25.3	28.8
Mean Weight (kg)	0.215	0.245	0.228	0.103	0.177
Total Weight Landed (tons)	427	542	25	268	230
Estimated Number Landed	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	40	40	40	40	40
Range of Depths (fm)	80-120	15-120	15-25	95-110	110-115

TABLE 85

LENGTH FREQUENCIES - SILVER HAKE - 5Z - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl				
	(Commercial)				
CATCHES/LANDINGS	Catches				
MONTH	January	February	March	April	May
COUNTRY	USSR				
TONNAGE	Over 1800				
16	-	14	-	-	-
18	-	105	3	-	-
20	63	255	73	91	17
22	238	329	345	149	160
24	175	186	380	97	312
26	66	50	144	99	165
28	110	19	52	207	154
30	125	14	3	190	114
32	58	5	-	104	51
34	37	5	-	29	14
36	23	5	-	16	5
38	25	5	-	3	4
40	23	4	-	4	1
42	15	2	-	1	1
44	17	2	-	7	1
46	7	-	-	1	1
48	6	-	-	2	+
50	5	-	-	-	+
52	3	-	-	-	+
54	2	-	-	-	-
56	1	-	-	-	-
58	1	-	-	-	-
Total ‰	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-
Number of Samples	4	2	1	4	10
Number of Fish Measured	1100	800	327	1154	2935
Mean Length (cm)	28.2	22.7	24.0	27.7	26.5
Mean Weight (kg)	0.182	0.078	0.091	0.146	0.139
Total Weight Landed (tons)	4206	7561	7690	5842	8183
Estimated Number Landed	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	40	40	40	40	40
Range of Depths (fm)	95-135	80-110	90-110	90-110	90-145

TABLE 85
(cont'd)

LENGTH FREQUENCIES - SILVER HAKE - 5Z - 1966

(FREQUENCIES IN ‰ - 2 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Catches					
CATCHES/LANDINGS	June	July	August	September	October	November
MONTH	USSR					
COUNTRY	Over 1800					
TONNAGE						
12	-	-	-	1	-	-
14	-	-	+	7	+	-
16	-	+	+	20	2	-
18	1	+	2	14	30	1
20	8	3	4	7	60	23
22	23	27	9	9	54	88
24	128	138	67	35	77	128
26	196	243	223	128	121	111
28	208	198	298	252	221	162
30	242	186	218	264	245	219
32	118	105	105	143	120	136
34	39	36	36	58	39	64
36	14	17	15	26	21	29
38	9	9	8	15	6	14
40	5	8	5	9	1	9
42	4	8	5	4	2	3
44	2	5	3	3	1	4
46	2	6	1	2	+	1
48	1	5	1	1	-	4
50	+	3	+	1	+	1
52	+	2	+	1	-	1
54	+	1	+	+	+	2
56	+	+	+	-	-	-
Total ‰	1000	1000	1000	1000	1000	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	22	23	13	20	10	6
Number of Fish Measured	7660	6996	3758	6331	3033	1106
Mean Length (cm)	29.0	29.4	29.2	29.6	28.3	29.2
Mean Weight (kg)	0.176	0.194	0.182	0.190	0.168	0.190
Total Weight Landed (tons)	9821	8139	1663	1975	2707	149
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	40	40	40	40	40	40
Range of Depths (fm)	25-110	20-80	35-40	10-65	15-110	35-60

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		February						July					
COUNTRY		USSR											
TONNAGE		Over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1964	2	-	-	-	-	-	-	116	54	170	24.3	24.3	24.3
1963	3	-	11	11	-	28.5	28.5	139	115	254	27.9	29.1	28.5
1962	4	263	240	503	30.5	31.3	30.8	164	188	352	31.3	32.5	31.9
1961	5	55	398	453	33.7	34.1	34.1	33	168	201	33.3	35.9	35.4
1960	6	11	22	33	38.5	37.5	37.8	-	22	22	-	39.8	39.8
1959	7	-	-	-	-	-	-	-	1	1	-	46.5	46.5
Total ‰		329	671	1000				452	548	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	1				-	-	6			
Number of Fish Aged		30	62	92				292	354	646			
Mean Age		4.23	4.65	4.51				3.50	3.99	3.65			
Mean Weight (kg)		-	-	-				-	-	0.229			
Total Weight Landed (tons)		-	-	-				-	-	542			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	40-110				-	-	15-120			

TABLE 86
(cont'd)

AGE FREQUENCIES - SILVER HAKE - 4W - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)					
CATCHES/LANDINGS		Catches					
MONTH		September					
COUNTRY		USSR					
TONNAGE		Over 1800					
YEAR-CLASS	AGE	‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.
1964	2	287	330	617	23.9	24.8	24.4
1963	3	191	160	351	27.3	28.4	27.8
1962	4	-	32	32	-	31.8	31.8
Total ‰		478	522	1000			
Serial Numbers		-	-	-			
Number of Samples		-	-	1			
Number of Fish Aged		45	49	94			
Mean Age		2.40	2.44	2.42			
Mean Weight (kg)		-	-	0.103			
Total Weight Landed (tons)		-	-	268			
Estimated Number Landed		-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40			
Range of Depths (fm)		-	-	95-110			

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		February						August					
COUNTRY		USSR											
TONNAGE		Over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1964	2	133	157	290	23.7	23.9	23.8	185	159	344	25.4	25.8	25.6
1963	3	266	261	527	26.8	26.7	26.8	159	441	600	27.5	28.2	28.0
1962	4	82	101	183	30.5	31.1	30.8	5	46	51	30.5	31.4	31.3
1961	5	-	-	-	-	-	-	-	5	5	-	36.5	36.5
Total ‰		481	519	1000				349	651	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	1				-	-	2			
Number of Fish Aged		76	82	158				68	127	195			
Mean Age		2.90	2.90	2.90				2.48	2.85	2.72			
Mean Weight (kg)		-	-	-				-	-	0.146			
Total Weight Landed (tons)		-	-	-				-	-	1610			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	-100-120				-	-	-100-120			

TABLE 88

AGE FREQUENCIES - SILVER HAKE - 52 - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		February						March					
COUNTRY		USSR											
TONNAGE		Over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1965	1	-	10	10	-	22.5	22.5	10	-	10	20.5	-	20.5
1964	2	135	50	185	23.7	22.9	23.6	325	265	590	23.0	23.6	23.3
1963	3	60	100	160	28.2	28.1	28.1	240	160	400	26.3	27.0	26.5
1962	4	165	90	255	30.7	31.4	31.0	-	-	-	-	-	-
1961	5	60	100	160	34.8	36.1	35.6	-	-	-	-	-	-
1960	6	-	210	210	-	40.9	40.9	-	-	-	-	-	-
1959	7	-	20	20	-	46.5	46.5	-	-	-	-	-	-
Total ‰		420	580	1000				575	425	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	1				-	-	1			
Number of Fish Aged		41	58	99				57	42	99			
Mean Age		3.36	4.43	4.28				2.40	2.37	2.39			
Mean Weight (kg)		-	-	0.269				-	-	0.091			
Total Weight Landed (tons)		-	-	7561				-	-	7690			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	60-110				-	-	90-110			

TABLE 88
(cont'd)

AGE FREQUENCIES - SILVER HAKE - 52 - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		April						May					
COUNTRY		USSR											
TONNAGE		Over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1965	1	16	11	27	21.1	20.5	20.9	-	-	-	-	-	-
1964	2	225	247	472	22.8	23.4	23.1	179	128	307	23.8	24.1	23.9
1963	3	96	48	144	27.0	27.4	27.2	282	128	410	27.4	26.4	27.1
1962	4	145	138	283	29.5	30.2	29.9	144	119	263	29.6	30.8	30.2
1961	5	27	42	69	34.1	34.0	34.0	5	15	20	32.5	35.1	34.5
1960	6	5	-	5	40.5	-	40.5	-	-	-	-	-	-
Total ‰		514	486	1000				610	390	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	2				-	-	2			
Number of Fish Aged		96	91	187				119	76	195			
Mean Age		2.91	2.90	2.90				2.96	3.05	3.00			
Mean Weight (kg)		-	-	0.103				-	-	0.152			
Total Weight Landed (tons)		-	-	5842				-	-	8183			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	90-110				-	-	90-145			

TABLE 88
(cont'd)

AGE FREQUENCIES - SILVER HAKE - SZ - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		June						July					
COUNTRY		USSR											
TONNAGE		Over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1964	2	69	46	115	24.9	24.9	24.9	115	32	147	25.1	25.5	25.2
1963	3	278	202	480	27.2	28.5	27.7	311	163	474	27.9	28.5	28.1
1962	4	88	257	345	30.3	31.6	31.3	190	107	297	30.7	32.2	31.2
1961	5	2	52	54	34.5	36.4	36.4	4	50	54	34.5	37.5	37.2
1960	6	-	4	4	-	43.5	43.5	-	14	14	-	43.1	43.1
1959	7	-	2	2	-	52.5	52.5	-	4	4	-	42.5	42.5
1958	8	-	-	-	-	-	-	-	10	10	-	52.1	52.1
Total ‰		437	563	1000				620	380	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	6				-	-	5			
Number of Fish Aged		249	320	569				307	188	495			
Mean Age		3.05	3.60	3.36				3.13	3.74	3.37			
Mean Weight (kg)		-	-	0.187				-	-	0.191			
Total Weight Landed (tons)		-	-	9821				-	-	8139			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	25-110				-	-	20-80			

TABLE 88
(cont'd)

AGE FREQUENCIES - SILVER HAKE - 5Z - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		August						September					
COUNTRY		USSR											
TONNAGE		Over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
1964	2	82	90	172 ¹	25.4	25.9	25.7	20	-	20	25.5	-	25.5
1963	3	163	299	465	28.2	29.1	28.8	290	290	580	28.5	29.0	28.7
1962	4	44	239	283	31.4	32.3	32.1	190	120	310	31.3	32.5	31.8
1961	5	-	69	69	-	37.0	37.0	-	70	70	-	37.9	37.9
1960	6	-	11	11	-	40.5	40.5	-	90	90	-	45.5	45.5
Total ‰		289	708	1000 ¹				500	500	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	4				-	-	1			
Number of Fish Aged		113	278	392 ¹				50	50	100			
Mean Age		2.87	3.45	3.28				3.34	3.64	3.49			
Mean Weight (kg)		-	-	0.200				-	-	0.203			
Total Weight Landed (tone)		-	-	1663				-	-	1975			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	35-40				-	-	10-65			

¹ Totals include 1 juvenile = 3 ‰

TABLE 88
(cont'd)

AGE FREQUENCIES - SILVER HAKE - 5Z - 1966

(FREQUENCIES IN ‰)

GEAR		Otter Trawl (Commercial)											
CATCHES/LANDINGS		Catches											
MONTH		October						November					
COUNTRY		USSR											
TONNAGE		Over 1800											
YEAR-CLASS	AGE	‰ Frequency			Mean Length			‰ Frequency			Mean Length		
		‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.	‰	‰	Tot.
1965	1	35	65	100	22.5	22.4	22.4	65	101	166	22.2	22.4	22.3
1964	2	66	83	149	25.3	25.5	25.4	91	132	223	26.0	24.9	25.3
1963	3	202	248	450	28.9	29.9	29.3	209	133	342	29.6	30.1	29.8
1962	4	91	171	262	30.6	32.5	31.9	51	178	229	31.5	33.2	32.9
1961	5	-	33	33	-	35.9	35.9	-	40	40	-	36.7	36.7
1960	6	-	3	3	-	40.5	40.5	-	-	-	-	-	-
1959	7	-	3	3	-	50.5	50.5	-	-	-	-	-	-
Total ‰		394	606	1000				416	584	1000			
Serial Numbers		-	-	-				-	-	-			
Number of Samples		-	-	4				-	-	2			
Number of Fish Aged		156	241	397				82	115	197			
Mean Age		2.89	3.07	3.00				2.60	3.21	2.75			
Mean Weight (kg)		-	-	0.182				-	-	0.178			
Total Weight Landed (tons)		-	-	2707				-	-	149			
Estimated Number Landed		-	-	-				-	-	-			
Mesh(mm) or Hook(no.) Size		-	-	40				-	-	40			
Range of Depths (fm)		-	-	15-110				-	-	35-60			

TABLE 89

AGE/LENGTH KEYS AND FREQUENCIES (SILVER HAKE) - 1966

(Available on request from the Secretariat)

In accordance with an recommendation made by the Research and Statistics Committee at their Annual Meeting in 1962 and reaffirmed in 1965, Age/Length Keys and Frequencies will not be published but are to be deposited in the Secretariat and made available to Member Countries on request. The following Age/Length Keys and Frequencies for silver hake are now on file in the Secretariat.

GEAR: Otter Trawl

U. S. S. R.

DIVISION	MONTH
4W	February July September
4X	February August
5Z	February March April May June July August September October November

TABLE 90

LENGTH FREQUENCIES - AMERICAN PLAICE - 1C - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl		
	(Commercial)		
CATCHES/LANDINGS	Catches		
MONTH	June		
COUNTRY	Poland		
SEX	♂	♀	Tot.
TONNAGE	2670		
17	-	-	1
18	-	-	17
19	-	-	15
20	-	-	42
21	-	-	55
22	-	-	97
23	-	-	83
24	-	-	106
25	-	-	102
26	-	-	56
27	-	-	66
28	-	-	42
29	-	-	49
30	-	-	52
31	-	-	32
32	-	-	44
33	-	-	42
34	-	-	31
35	-	-	32
36	-	-	13
37	-	-	9
38	-	-	10
39	-	-	3
Total ‰	-	-	999
Serial Numbers	-	-	-
Number of Samples	-	-	2
Number of Fish Measured	-	-	1110
Mean Length (cm)	-	-	26.4
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114
Range of Depths (fm)	-	-	-

TABLE 91

LENGTH FREQUENCIES - AMERICAN PLAICE - 2J - 1966

(FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	CATCHES/LANDINGS					
MONTH	Catches					
COUNTRY	May			June		
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	2670					
20	-	-	2	-	-	1
21	-	-	5	-	-	7
22	-	-	8	-	-	7
23	-	-	10	-	-	22
24	-	-	20	-	-	33
25	-	-	21	-	-	59
26	-	-	31	-	-	62
27	-	-	48	-	-	72
28	-	-	42	-	-	101
29	-	-	37	-	-	71
30	-	-	62	-	-	91
31	-	-	45	-	-	57
32	-	-	52	-	-	42
33	-	-	45	-	-	37
34	-	-	47	-	-	59
35	-	-	60	-	-	43
36	-	-	47	-	-	30
37	-	-	45	-	-	30
38	-	-	45	-	-	29
39	-	-	35	-	-	17
40	-	-	47	-	-	19
41	-	-	35	-	-	18
42	-	-	34	-	-	21
43	-	-	35	-	-	15
44	-	-	21	-	-	15
45	-	-	29	-	-	12
46	-	-	17	-	-	12
47	-	-	13	-	-	3
48	-	-	11	-	-	2
49	-	-	8	-	-	2
50	-	-	6	-	-	2
51	-	-	10	-	-	2
52	-	-	4	-	-	-
53	-	-	8	-	-	3
54	-	-	3	-	-	2
55	-	-	2	-	-	1
56	-	-	2	-	-	1
57	-	-	-	-	-	-
58	-	-	-	-	-	-
59	-	-	-	-	-	-
60	-	-	-	-	-	-
61	-	-	-	-	-	-
>62	-	-	8	-	-	-
Total %/00	-	-	1000	-	-	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	-	-	2345	-	-	1198
Mean Length (cm)	-	-	35.3	-	-	31.7
Mean Weight (kg)	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114
Range of Depths (fm)	-	-	240	-	-	-

TABLE 92

LENGTH FREQUENCIES - AMERICAN PLAICE - 3K - 1966

(FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Catches					
CATCHES/LANDINGS	May			June		
MONTH	Poland					
COUNTRY	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
SEX	2670					
TONNAGE						
17	-	-	-	-	-	12
18	-	-	2	-	-	25
19	-	-	7	-	-	44
20	-	-	10	-	-	53
21	-	-	11	-	-	14
22	-	-	9	-	-	29
23	-	-	23	-	-	37
24	-	-	7	-	-	40
25	-	-	20	-	-	65
26	-	-	25	-	-	92
27	-	-	14	-	-	78
28	-	-	23	-	-	108
29	-	-	29	-	-	60
30	-	-	38	-	-	59
31	-	-	19	-	-	37
32	-	-	22	-	-	37
33	-	-	33	-	-	18
34	-	-	17	-	-	25
35	-	-	46	-	-	21
36	-	-	45	-	-	18
37	-	-	43	-	-	14
38	-	-	50	-	-	27
39	-	-	55	-	-	18
40	-	-	40	-	-	16
41	-	-	35	-	-	16
42	-	-	56	-	-	3
43	-	-	55	-	-	3
44	-	-	27	-	-	3
45	-	-	26	-	-	3
46	-	-	24	-	-	9
47	-	-	26	-	-	-
48	-	-	32	-	-	-
49	-	-	19	-	-	2
50	-	-	26	-	-	2
51	-	-	16	-	-	5
52	-	-	15	-	-	3
53	-	-	16	-	-	-
54	-	-	9	-	-	-
55	-	-	6	-	-	2
56	-	-	7	-	-	2
57	-	-	-	-	-	-
58	-	-	-	-	-	-
59	-	-	-	-	-	-
60	-	-	-	-	-	-
>61	-	-	17	-	-	-
Total %/00	-	-	1000	-	-	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	-	-	694	-	-	629
Mean Length (cm)	-	-	38.2	-	-	28.3
Mean Weight (kg)	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114
Range of Depths (fm)	-	-	250	-	-	280

GEAR	Otter Trawl (Commercial)								
	Catches			Landings After Discards					
CATCHES/LANDINGS	July			May			May		
MONTH	Poland			Canada (Newfoundland)					
COUNTRY	Poland			Canada (Newfoundland)			May		
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	2670			501-900			151-500		
18	-	-	2	-	-	-	-	-	-
19	-	-	2	-	-	-	-	-	-
20	-	-	6	-	-	-	-	-	-
21	-	-	11	-	-	-	-	-	-
22	-	-	21	-	-	-	-	-	-
23	-	-	22	-	-	-	-	-	-
24	-	-	26	-	-	-	-	-	-
25	-	-	29	-	-	-	-	-	-
26	-	-	53	-	-	-	-	-	-
27	-	-	42	-	-	-	-	-	-
28	-	-	44	1	-	1	-	-	-
29	-	-	46	-	-	-	1	-	1
30	-	-	72	-	-	-	-	-	-
31	-	-	55	2	-	2	-	-	-
32	-	-	52	-	-	-	3	-	3
33	-	-	39	7	6	13	3	-	3
34	-	-	39	14	1	15	14	-	14
35	-	-	41	25	4	29	11	10	21
36	-	-	32	29	7	36	14	8	22
37	-	-	26	32	18	50	34	12	46
38	-	-	23	35	14	49	34	12	46
39	-	-	26	50	15	65	30	11	41
40	-	-	31	52	20	72	49	36	85
41	-	-	24	52	20	72	40	19	59
42	-	-	23	45	38	83	52	32	84
43	-	-	21	31	39	70	47	30	77
44	-	-	25	28	36	64	41	38	79
45	-	-	28	45	29	74	33	37	70
46	-	-	19	17	43	60	14	29	43
47	-	-	16	11	27	38	11	32	43
48	-	-	17	10	39	49	7	34	41
49	-	-	10	1	23	24	-	33	33
50	-	-	9	10	15	25	1	32	33
51	-	-	5	2	22	24	-	32	32
52	-	-	8	-	11	11	-	22	22
53	-	-	7	-	12	12	-	15	15
54	-	-	4	-	12	12	-	21	21
55	-	-	10	-	12	12	-	11	11
56	-	-	8	-	7	7	-	10	10
57	-	-	-	-	11	11	-	14	14
58	-	-	-	-	2	2	-	3	3
59	-	-	-	-	7	7	-	1	1
60	-	-	-	-	3	3	-	4	4
61	-	-	-	-	1	1	-	4	4
62	-	-	-	-	2	2	-	5	5
>62	-	-	26	-	-	-	-	-	-
63	-	-	-	-	-	-	-	10	10
64	-	-	-	-	-	-	-	1	1
65	-	-	-	-	-	-	-	3	3
66	-	-	-	-	-	-	-	1	1
67	-	-	-	-	-	-	-	1	1
Total %/oo	-	-	1000	499	496	995	439	563	1002
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	2	-	-	3
Number of Fish Measured	-	-	1391	356	357	713	320	410	730
Mean Length (cm)	-	-	34.5	40.69	45.84	43.25	40.92	47.17	44.42
Mean Weight (kg)	-	-	-	-	-	0.80	-	-	0.90
Total Weight Landed (tons)	-	-	-	-	-	364.4	-	-	1316.6
Estimated Number Landed	-	-	-	-	-	455373	-	-	1457293
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	L ¹	-	-	L ¹
Range of Depths (fm)	-	-	-	-	-	42-54	-	-	45-80

1 large

TABLE 93
(cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 3L - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings After Discards											
CATCHES/LANDINGS	Canada (Newfoundland)											
MONTH	June			July			October			October		
COUNTRY	Canada (Newfoundland)											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	501-900			151-500			501-900			151-900		
31	-	-	-	11	-	11	-	9	9	-	5	5
32	6	-	6	-	-	-	4	-	4	-	4	4
33	4	-	4	6	-	6	26	-	26	-	5	5
34	2	-	2	11	-	11	18	9	27	5	-	5
35	14	2	16	6	-	6	18	18	36	4	4	8
36	18	6	24	39	-	39	40	22	62	-	9	9
37	22	10	32	11	11	22	13	13	26	-	23	23
38	31	8	39	17	6	23	26	9	35	5	5	10
39	35	16	51	22	-	22	26	9	35	9	-	9
40	35	18	53	34	-	34	35	13	48	-	-	-
41	29	22	51	39	-	39	53	18	71	23	9	32
42	47	41	88	51	-	51	40	9	49	4	4	8
43	37	18	55	28	11	39	40	9	49	18	5	23
44	29	26	55	22	11	33	26	13	39	46	23	69
45	18	41	59	11	17	28	40	18	58	14	9	23
46	8	47	55	17	11	28	35	18	53	18	18	36
47	12	43	55	39	56	95	31	13	44	23	9	32
48	8	33	41	22	39	61	9	26	35	23	23	46
49	4	24	28	-	34	34	13	40	53	18	59	77
50	6	24	30	6	67	73	13	22	35	9	41	50
51	-	39	39	-	67	67	4	18	22	5	46	51
52	-	24	24	-	34	34	-	48	48	-	73	73
53	-	24	24	-	56	56	-	22	22	-	78	78
54	-	6	6	-	34	34	-	35	35	-	32	32
55	-	37	37	-	11	11	-	18	18	4	50	54
56	-	29	29	-	45	45	-	-	-	-	41	41
57	-	18	18	-	11	11	-	13	13	-	41	41
58	-	26	26	-	28	28	-	13	13	-	41	41
59	-	12	12	-	17	17	-	9	9	-	23	23
60	-	12	12	-	11	11	-	-	-	-	50	50
61	-	12	12	-	-	-	-	-	-	-	9	9
62	-	-	-	-	11	11	-	9	9	-	4	4
63	-	6	6	-	6	6	-	-	-	-	5	5
64	-	-	-	-	6	6	-	-	-	-	9	9
65	-	6	6	-	-	-	-	9	9	-	9	9
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	2	2	-	-	-	-	4	4	-	4	4
68	-	-	-	-	-	-	-	4	4	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	6	6	-	-	-	-	-	-
Total ‰	365	632	997	392	606	998	510	490	1000	228	770	998
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	2	-	-	1	-	-	1	-	-	1
Number of Fish Measured	179	312	491	70	108	178	116	111	227	50	169	219
Mean Length (cm)	40.93	48.93	46.00	41.27	51.65	47.57	41.29	47.96	44.56	44.78	52.05	50.39
Mean Weight (kg)	-	-	1.01	-	-	1.19	-	-	0.96	-	-	1.54
Total Weight Landed (tons)	-	-	793.0	-	-	905.5	-	-	560.4	-	-	591.2
Estimated Number Landed	-	-	788237	-	-	764186	-	-	581855	-	-	383630
Mesh(mm) or Hook(no.) Size	-	-	L ¹	-	-	-	-	-	-	-	-	4 1/2 ²
Range of Depths (fm)	-	-	62-80	-	-	45-90	-	-	58-90	-	-	70-100

¹ large
² inches

GEAR	Otter Trawl (Commercial)											
	Landings After Discards											
CATCHES/LANDINGS	January			February			March			March		
MONTH	Canada (Newfoundland)											
COUNTRY												
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500			151-500			501-900			151-500		
25	-	-	-	1	-	1	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	3	3
27	-	-	-	1	-	1	-	-	-	2	1	3
28	5	-	5	-	1	1	-	-	-	6	3	9
29	-	-	-	1	1	2	-	-	-	11	2	13
30	14	-	14	3	3	6	-	-	-	1	3	4
31	10	5	15	7	4	11	-	-	-	6	11	17
32	19	10	29	10	10	20	3	3	6	21	26	47
33	14	14	28	8	10	18	6	10	16	20	14	34
34	24	24	48	14	10	24	16	3	19	21	27	48
35	10	29	39	14	17	31	23	19	42	9	32	41
36	-	19	19	25	18	43	42	23	65	29	17	46
37	24	10	34	19	19	38	61	32	93	17	27	44
38	14	43	57	27	18	45	39	29	68	46	29	75
39	29	29	58	37	19	56	61	32	93	40	38	78
40	19	29	48	32	20	52	68	55	123	23	32	55
41	19	10	29	25	30	55	48	45	93	35	37	72
42	14	24	38	26	37	63	35	45	80	32	40	72
43	14	24	38	26	32	58	23	39	62	18	30	48
44	24	14	38	16	33	49	19	29	48	9	44	53
45	29	24	53	15	40	55	7	35	42	3	35	38
46	24	14	38	17	41	58	19	13	32	5	35	40
47	29	43	72	9	43	52	3	23	26	4	23	27
48	14	24	38	9	27	36	-	16	16	5	18	23
49	10	10	20	5	25	30	3	13	16	-	23	23
50	10	5	15	4	25	29	-	16	16	2	17	19
51	-	29	29	3	25	28	-	19	19	-	11	11
52	5	10	15	3	18	21	-	-	-	-	9	9
53	5	34	39	1	18	19	-	6	6	-	9	9
54	-	29	29	-	19	19	-	7	7	-	8	8
55	-	29	29	-	20	20	-	-	-	-	8	8
56	-	10	10	-	19	19	-	3	3	-	9	9
57	-	14	14	1	10	11	-	6	6	-	4	4
58	-	10	10	-	9	9	-	-	-	-	5	5
59	-	14	14	-	6	6	-	-	-	-	1	1
60	-	5	5	-	4	4	-	-	-	-	2	2
61	-	-	-	-	4	4	-	-	-	-	-	-
62	-	10	10	-	3	3	-	-	-	-	-	-
63	-	-	-	-	3	3	-	-	-	-	-	-
64	-	14	14	-	1	1	-	-	-	-	-	-
65	-	5	5	-	1	1	-	-	-	-	3	3
66	-	-	-	-	1	1	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	5	5	-	-	-	-	-	-	-	-	-
Total ‰	379	622	1001	359	644	1003	476	521	997	365	636	1001
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	5	-	-	1	-	-	3
Number of Fish Measured	79	129	208	406	731	1137	148	162	310	239	417	656
Mean Length (cm)	40.64	46.08	44.02	40.13	45.62	43.65	39.36	42.37	40.93	37.98	42.12	40.61
Mean Weight (kg)	-	-	1.01	-	-	0.89	-	-	0.76	-	-	0.74
Total Weight Landed (tons)	-	-	346.6	-	-	421.7	-	-	319.8	-	-	429.7
Estimated Number Landed	-	-	341840	-	-	473540	-	-	422763	-	-	579150
Mesh(mm) or Hook(no.) Size	-	-	-	-	-	L ¹	-	-	L ¹	-	-	4 1/2 ²
Range of Depths (fm)	-	-	30-80	-	-	30-100	-	-	60-100	-	-	55-140

1 large
2 inches

TABLE 94
(cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 3N - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings After Discards											
CATCHES/LANDINGS	April			May			May			June		
MONTH	Canada (Newfoundland)											
COUNTRY												
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500			501-900			151-500			501-900		
27	4	-	4	-	-	-	-	-	-	-	-	-
28	4	-	4	-	-	-	-	5	5	-	-	-
29	-	-	-	-	-	-	-	5	5	-	-	-
30	-	-	-	-	-	-	5	14	19	-	-	-
31	-	-	-	-	-	-	14	5	19	-	-	-
32	9	13	22	-	5	5	5	9	14	-	-	-
33	17	13	30	11	-	11	24	14	38	4	-	4
34	9	22	31	5	-	5	29	14	43	12	4	16
35	26	18	44	-	5	5	43	-	43	20	24	44
36	21	52	73	5	11	16	33	24	57	20	4	24
37	9	13	22	5	22	27	14	38	52	8	12	20
38	39	26	65	38	22	60	19	14	33	45	29	74
39	26	26	52	27	33	60	14	43	57	49	16	65
40	21	52	73	65	44	109	14	24	38	37	16	53
41	31	39	70	27	33	60	19	24	43	53	12	65
42	52	39	91	43	33	76	14	52	66	49	8	57
43	18	13	31	44	54	98	14	29	43	37	24	61
44	17	31	48	16	27	43	10	38	48	33	24	57
45	31	39	70	43	33	76	5	38	43	29	20	49
46	-	17	17	27	22	49	14	48	62	20	33	53
47	9	44	53	11	33	44	14	67	81	12	37	49
48	5	44	49	5	27	32	-	48	48	16	29	45
49	-	35	35	11	38	49	5	10	15	-	37	37
50	-	22	22	16	16	32	5	33	38	-	29	29
51	4	18	22	-	-	-	-	14	14	4	24	28
52	-	17	17	-	11	11	-	9	9	4	33	37
53	-	9	9	-	11	11	-	14	14	-	33	33
54	-	4	4	-	5	5	-	5	5	-	16	16
55	-	13	13	-	22	22	-	10	10	-	8	8
56	-	5	5	-	-	-	-	5	5	-	4	4
57	-	-	-	-	11	11	-	-	-	-	20	20
58	-	13	13	-	22	22	-	9	9	-	8	8
59	-	4	4	-	16	16	-	5	5	-	29	29
60	-	-	-	-	16	16	-	-	-	-	4	4
61	-	-	-	-	11	11	-	10	10	-	-	-
62	-	-	-	-	5	5	-	-	-	-	-	-
63	-	-	-	-	5	5	-	5	5	-	4	4
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	4	4	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	5	5	-	4	4
67	-	-	-	-	5	5	-	-	-	-	-	-
Total ‰	352	645	997	399	598	997	314	687	1001	452	545	997
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1	-	-	1	-	-	1
Number of Fish Measured	81	148	229	74	110	184	66	144	210	111	134	245
Mean Length (cm)	39.63	43.55	42.17	42.05	46.41	44.67	38.19	43.99	42.17	41.15	47.61	44.68
Mean Weight (kg)	-	-	0.74	-	-	0.94	-	-	0.80	-	-	0.86
Total Weight Landed (tons)	-	-	404.0	-	-	597.0	-	-	1681.4	-	-	530.0
Estimated Number Landed	-	-	548252	-	-	450010	-	-	2109606	-	-	619251
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	L ²	-	-	4 1/2 ¹	-	-	L ²
Range of Depths (fm)	-	-	46-90	-	-	38-40	-	-	35-46	-	-	58-65

¹ inches
² large

TABLE 94
(cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 3N - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	Landings After Discards											
CATCHES/LANDINGS	June			July			August			September		
MONTH	Canada (Newfoundland)											
COUNTRY												
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500			151-500			151-500			501-900		
26	-	-	-	1	-	1	-	-	-	-	-	-
27	-	-	-	-	-	-	1	-	1	-	-	-
28	2	-	2	-	-	-	1	-	1	-	-	-
29	5	2	7	-	2	2	1	1	2	-	-	-
30	2	-	2	1	2	3	5	4	9	-	-	-
31	8	2	10	10	6	16	11	4	15	-	-	-
32	15	5	20	16	9	25	11	10	21	1	-	1
33	13	10	23	19	14	33	23	17	40	4	-	4
34	19	11	30	21	17	38	27	10	37	6	-	6
35	29	8	37	24	13	37	27	17	44	12	4	16
36	31	21	52	24	16	40	29	31	60	9	7	16
37	24	15	39	24	9	33	27	13	40	14	14	28
38	36	3	39	19	14	33	17	22	39	19	12	31
39	21	18	39	26	17	43	21	22	43	33	14	47
40	29	23	52	29	14	43	41	22	63	29	23	52
41	28	19	47	27	11	38	31	22	53	48	23	71
42	39	23	62	21	18	39	29	21	50	36	13	49
43	28	23	51	21	19	40	41	30	71	35	27	62
44	29	26	55	30	24	54	19	22	41	47	18	65
45	44	24	68	21	31	52	19	21	40	35	29	64
46	37	15	52	18	19	37	23	27	50	30	29	59
47	16	13	29	16	27	43	22	29	51	27	25	52
48	18	24	42	11	26	37	21	21	42	19	33	52
49	15	31	46	11	28	39	11	30	41	11	38	49
50	8	19	27	2	36	38	7	28	35	12	33	45
51	5	10	15	2	26	28	1	17	18	4	23	27
52	3	15	18	-	26	26	2	17	19	6	33	39
53	3	13	16	1	39	40	-	11	11	-	22	22
54	2	19	21	-	18	18	1	15	16	-	23	23
55	-	16	16	-	23	23	-	17	17	-	21	21
56	-	19	19	-	27	27	-	10	10	-	23	23
57	-	13	13	-	17	17	-	4	4	-	19	19
58	-	15	15	-	16	16	-	5	5	-	14	14
59	-	8	8	-	17	17	-	6	6	-	7	7
60	-	5	5	-	6	6	-	2	2	-	12	12
61	-	6	6	-	8	8	-	5	5	-	8	8
62	-	5	5	-	3	3	-	2	2	-	5	5
63	-	5	5	-	-	-	-	-	-	-	4	4
64	-	5	5	-	4	4	-	-	-	-	1	1
65	-	-	-	-	1	1	-	-	-	-	6	6
66	-	2	2	-	-	-	-	-	-	-	-	-
67	-	2	2	-	-	-	-	-	-	-	-	-
68	-	-	-	-	2	2	-	-	-	-	-	-
69	-	-	-	-	1	1	-	-	-	-	1	1
Total ‰	509	493	1002	395	606	1001	469	535	1004	437	564	1001
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	3	-	-	5	-	-	4	-	-	3
Number of Fish Measured	313	303	616	407	621	805	388	439	827	372	481	853
Mean Length (cm)	40.88	46.86	43.82	39.91	47.43	44.47	40.17	44.47	42.46	42.66	48.80	46.12
Mean Weight (kg)	-	-	0.88	-	-	1.32	-	-	0.82	-	-	1.16
Total Weight Landed (tons)	-	-	1638.4	-	-	1691.4	-	-	1974.8	-	-	1409.4
Estimated Number Landed	-	-	1871365	-	-	1287192	-	-	2419719	-	-	1211380
Mesh(mm) or Hook(no.) Size	-	-	L ¹	-	-	L ¹	-	-	L ¹	-	-	L ¹
Range of Depths (fm)	-	-	30-100	-	-	30-130	-	-	35-50	-	-	35-150

¹ large

TABLE 94
(cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 3N - 1966

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)											
	CATCHES/LANDINGS											
MONTH	Landings After Discards											
	September			October			November			November		
COUNTRY	Canada (Newfoundland)											
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	151-500			151-500			501-900			151-500		
15	-	-	-	-	1	1	-	-	-	-	-	-
24	-	-	-	-	1	1	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	1	1
26	-	-	-	1	1	2	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	1	1	2
28	1	1	2	1	2	3	-	-	-	-	-	-
29	-	2	2	7	3	10	-	-	-	3	1	4
30	4	3	7	9	8	17	-	-	-	5	6	11
31	4	5	9	11	13	24	-	3	3	10	11	21
32	11	8	19	16	7	23	2	-	2	11	14	25
33	16	15	31	16	14	30	8	2	10	12	16	28
34	27	20	47	27	18	45	6	3	9	27	24	51
35	26	27	53	32	24	56	12	11	23	23	24	47
36	30	21	51	23	18	41	18	8	26	30	22	52
37	30	26	56	23	27	50	23	9	32	33	21	54
38	27	21	48	25	10	35	23	14	37	29	18	47
39	29	22	51	32	18	50	34	14	48	27	17	44
40	26	21	47	35	16	51	24	12	36	26	18	44
41	27	19	46	38	23	61	38	14	52	31	20	51
42	24	21	45	32	20	52	46	11	57	32	15	47
43	21	18	39	31	20	51	43	9	52	31	22	53
44	27	26	53	27	31	58	41	17	58	35	15	50
45	19	27	46	15	25	40	44	12	56	28	22	50
46	17	28	45	20	26	46	31	14	45	21	16	37
47	15	24	39	19	32	51	41	18	59	20	20	40
48	13	26	39	13	21	34	47	29	76	18	17	35
49	11	21	32	6	19	25	21	23	44	18	21	39
50	5	16	21	5	19	24	15	26	41	6	18	24
51	5	22	27	1	18	19	5	26	31	4	21	25
52	-	24	24	-	13	13	-	37	37	2	16	18
53	1	18	19	-	14	14	-	32	32	1	13	14
54	1	18	19	-	11	11	-	29	29	-	13	13
55	-	22	22	-	17	17	-	15	15	-	13	13
56	-	10	10	-	8	8	-	14	14	-	16	16
57	-	10	10	-	6	6	2	14	16	-	13	13
58	-	7	7	-	10	10	-	12	12	-	11	11
59	-	10	10	-	9	9	-	14	14	-	5	5
60	-	7	7	-	6	6	-	11	11	-	3	3
61	-	8	8	-	1	1	-	9	9	-	6	6
62	-	2	2	-	2	2	-	6	6	-	3	3
63	-	2	2	-	2	2	-	-	-	-	2	2
64	-	2	2	-	-	-	-	5	5	-	-	-
65	-	4	4	-	-	-	-	2	2	-	1	1
66	-	1	1	-	2	2	-	2	2	-	1	1
67	-	-	-	-	1	1	-	3	3	-	1	1
68	-	1	1	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	1	1
70	-	1	1	-	1	1	-	-	-	-	-	-
Total %	417	587	1004	465	538	1003	524	480	1004	484	519	1003
Serial Numbers	-	-	-	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	8	-	-	5	-	-	3	-	-	9
Number of Fish Measured	690	964	1654	531	609	1140	343	312	655	968	1038	2006
Mean Length (cm)	40.02	45.30	43.10	39.47	44.21	42.01	42.92	49.28	45.96	40.50	44.39	42.52
Mean Weight (kg)	-	-	0.89	-	-	0.85	-	-	0.98	-	-	0.83
Total Weight Landed (tons)	-	-	2113.3	-	-	2191.5	-	-	886.0	-	-	2295.3
Estimated Number Landed	-	-	2387283	-	-	2575004	-	-	908659	-	-	2770475
Mesh(mm) or Hook(no.) Size	-	-	L ¹	-	-	L ¹	-	-	L ¹	-	-	L ¹
Range of Depths (fm)	-	-	30-130	-	-	28-140	-	-	48-130	-	-	24-160

1 large

TABLE 94
(cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 3N - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl		
	(Commercial)		
CATCHES/LANDINGS	Landings After Discard		
MONTH	December		
COUNTRY	Canada (Newfoundland)		
SEX	♂	♀	Tot.
TONNAGE	151-500		
27	5	-	5
28	-	-	-
29	-	-	-
30	-	-	-
31	5	-	5
32	-	5	5
33	5	10	15
34	15	10	25
35	25	5	30
36	10	10	20
37	24	10	34
38	10	10	20
39	49	-	49
40	29	15	44
41	15	5	20
42	34	20	54
43	29	20	49
44	20	15	35
45	15	10	25
46	49	10	59
47	25	25	50
48	24	20	44
49	39	29	68
50	15	24	39
51	15	15	30
52	15	29	44
53	-	25	25
54	-	24	24
55	-	10	10
56	-	20	20
57	-	25	25
58	-	29	29
59	-	20	20
60	-	24	24
61	-	15	15
62	-	20	20
63	-	5	5
64	-	10	10
65	-	5	5
66	-	5	5
Total ‰	472	534	1006
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	96	108	204
Mean Length (cm)	42.74	50.57	46.89
Mean Weight (kg)	-	-	1.00
Total Weight Landed (tons)	-	-	1473.8
Estimated Number Landed	-	-	1472966
Mesh(mm) or Hook(no.) Size	-	-	-
Range of Depths (fm)	-	-	35-55

TABLE 95

LENGTH FREQUENCIES - AMERICAN PLAICE - 30 - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	CATCHES/LANDINGS								
MONTH	March			April			August		
COUNTRY	Canada (Newfoundland)								
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500								
18	1	-	1	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	1	1	-	-	-	-	-	-
21	2	-	2	-	-	-	-	-	-
22	2	1	3	-	-	-	-	-	-
23	1	1	2	-	-	-	-	-	-
24	2	2	4	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-
26	2	1	3	-	-	-	-	-	-
27	5	5	10	-	-	-	-	-	-
28	10	7	17	3	-	3	9	-	9
29	11	14	25	3	1	4	-	-	-
30	18	9	27	7	3	10	-	-	-
31	23	22	45	14	5	19	9	-	9
32	41	33	74	26	21	47	18	-	18
33	46	51	97	38	29	67	28	-	28
34	42	52	94	30	27	57	46	9	55
35	32	42	74	36	29	65	41	9	50
36	27	32	59	32	32	64	18	9	27
37	31	31	62	20	23	43	46	5	51
38	22	28	50	21	30	51	28	18	46
39	21	26	47	18	27	45	60	5	65
40	23	42	65	23	30	53	41	23	64
41	14	29	43	31	26	57	37	9	46
42	10	33	43	20	27	47	69	14	83
43	7	26	33	24	30	54	46	23	69
44	5	19	24	9	26	35	23	23	46
45	4	15	19	15	35	50	18	28	46
46	2	14	16	8	36	44	28	28	56
47	1	13	14	7	20	27	23	18	41
48	1	7	8	6	27	33	28	23	51
49	-	8	8	3	18	21	9	23	32
50	-	6	6	-	20	20	-	9	9
51	-	4	4	-	14	14	-	5	5
52	-	3	3	2	6	8	-	18	18
53	-	1	1	1	9	10	-	14	14
54	-	4	4	2	14	16	-	9	9
55	-	4	4	-	4	4	-	5	5
56	-	2	2	-	9	9	-	9	9
57	-	2	2	-	6	6	-	14	14
58	-	2	2	-	5	5	-	-	-
59	-	1	1	-	4	4	-	9	9
60	-	1	1	-	6	6	-	5	5
61	-	1	1	-	2	2	-	5	5
62	-	-	-	-	5	5	-	-	-
63	-	1	1	-	1	1	-	-	-
64	-	-	-	-	2	2	-	-	-
65	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	5	5
Total ‰	406	596	1002	399	609	1008	625	374	999
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	7	-	-	3	-	-	1
Number of Fish Measured	796	1165	1961	264	402	666	136	81	217
Mean Length (cm)	34.90	38.23	36.88	37.85	42.77	40.82	39.67	46.59	42.26
Mean Weight (kg)	-	-	0.49	-	-	0.69	-	-	0.78
Total Weight Landed (tons)	-	-	850.2	-	-	436.0	-	-	11.1
Estimated Number Landed	-	-	1729786	-	-	628892	-	-	14297
Mesh(mm) or Hook(no.) Size	-	-	L ¹	-	-	L ¹	-	-	L ¹
Range of Depths (fm)	-	-	35-115	-	-	32-100	-	-	25-41

1 large

TABLE 95
(cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 30 - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Landings After Discards					
CATCHES/LANDINGS	September		December			
MONTH						
COUNTRY	Canada (Newfoundland)					
SEX	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500					
26	-	5	5	-	-	-
27	5	10	15	-	-	-
28	-	-	-	5	-	5
29	5	5	10	9	5	14
30	31	10	41	4	-	4
31	26	16	42	14	13	27
32	37	47	84	9	18	27
33	47	58	105	27	36	63
34	42	31	73	18	22	40
35	37	68	105	18	23	41
36	31	68	99	36	31	67
37	31	68	99	23	22	45
38	21	31	52	22	23	45
39	16	37	53	23	36	59
40	10	26	36	27	9	36
41	5	26	31	22	9	31
42	-	10	10	45	9	54
43	21	10	31	5	36	41
44	-	5	5	23	22	45
45	5	-	5	27	14	41
46	10	-	10	32	36	68
47	5	-	5	18	18	36
48	-	10	10	18	32	50
49	-	5	5	-	27	27
50	-	5	5	-	23	23
51	-	-	-	-	27	27
52	-	10	10	-	9	9
53	-	5	5	4	13	17
54	-	-	-	-	18	18
55	-	-	-	-	9	9
56	-	5	5	-	9	9
57	-	5	5	-	9	9
58	-	5	5	-	-	-
59	-	5	5	-	9	9
60	-	-	-	-	-	-
61	-	-	-	-	4	4
62	-	10	10	-	-	-
63	-	-	-	-	-	-
64	-	-	-	-	-	-
65	-	-	-	-	-	-
66	-	-	-	-	-	-
67	-	5	5	-	-	-
68	-	5	5	-	-	-
Total ‰	385	606	991	429	571	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	74	117	191	95	127	222
Mean Length (cm)	35.29	38.22	37.08	39.54	43.13	41.59
Mean Weight (kg)	-	-	0.43	-	-	0.79
Total Weight Landed (tons)	-	-	573.0	-	-	251.3
Estimated Number Landed	-	-	1325792	-	-	319403
Mesh(mm) or Hook(no.) Size	-	-	3 1/2 ¹	-	-	L ²
Range of Depths (fm)	-	-	-	-	-	38-40

¹ inches² large

TABLE 96

LENGTH FREQUENCIES - AMERICAN PLAICE - 3P - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl		
CATCHES/LANDINGS	(Commercial)		
MONTH	July		
COUNTRY	Poland		
SEX	♂	♀	Tot.
TONNAGE	2670		
17	-	-	5
18	-	-	5
19	-	-	3
20	-	-	5
21	-	-	10
22	-	-	15
23	-	-	35
24	-	-	38
25	-	-	49
26	-	-	45
27	-	-	27
28	-	-	45
29	-	-	34
30	-	-	43
31	-	-	38
32	-	-	40
33	-	-	26
34	-	-	35
35	-	-	37
36	-	-	27
37	-	-	22
38	-	-	36
39	-	-	35
40	-	-	28
41	-	-	25
42	-	-	34
43	-	-	31
44	-	-	27
45	-	-	24
46	-	-	24
47	-	-	23
48	-	-	29
49	-	-	19
50	-	-	18
51	-	-	10
52	-	-	7
53	-	-	9
54	-	-	9
55	-	-	4
56	-	-	6
57	-	-	-
58	-	-	-
59	-	-	-
60	-	-	-
61	-	-	-
62	-	-	-
>63	-	-	18
Total ‰	-	-	1000
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	-	-	915
Mean Length (cm)	-	-	35.4
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114
Range of Depths (fm)	-	-	-

TABLE 97 LENGTH FREQUENCIES - AMERICAN PLAICE - 4T - 1966

(FREQUENCIES IN %/oo - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings								
CATCHES/LANDINGS	June			August			September		
MONTH	Canada (Maritimes)								
COUNTRY									
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	51-150								
15	-	-	10	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-
23	-	-	10	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-
25	-	-	10	-	-	10	-	-	-
26	-	-	-	-	-	20	-	-	40
27	-	-	-	-	-	10	-	-	30
28	-	-	-	-	-	45	-	-	40
29	-	-	10	-	-	80	-	-	30
30	-	-	20	-	-	60	-	-	50
31	-	-	110	-	-	60	-	-	120
32	-	-	100	-	-	90	-	-	60
33	-	-	130	-	-	75	-	-	60
34	-	-	100	-	-	95	-	-	90
35	-	-	120	-	-	50	-	-	70
36	-	-	50	-	-	55	-	-	50
37	-	-	50	-	-	35	-	-	50
38	-	-	30	-	-	65	-	-	50
39	-	-	50	-	-	45	-	-	80
40	-	-	60	-	-	45	-	-	30
41	-	-	20	-	-	20	-	-	20
42	-	-	30	-	-	25	-	-	20
43	-	-	-	-	-	15	-	-	40
44	-	-	30	-	-	10	-	-	-
45	-	-	-	-	-	45	-	-	20
46	-	-	20	-	-	5	-	-	20
47	-	-	-	-	-	-	-	-	10
48	-	-	10	-	-	15	-	-	10
49	-	-	-	-	-	-	-	-	10
50	-	-	20	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	5	-	-	-
53	-	-	-	-	-	10	-	-	-
54	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	5	-	-	-
56	-	-	10	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	5	-	-	-
Total %/oo	-	-	1000	-	-	1000	-	-	1000
Serial Numbers	-	-	161	-	-	162-163	-	-	164
Number of Samples	-	-	1	-	-	2	-	-	1
Number of Fish Measured	-	-	100	-	-	200	-	-	100
Mean Length (cm)	-	-	35.5	-	-	35.2	-	-	35.0
Mean Weight (kg)	-	-	0.45	-	-	0.38	-	-	0.40
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	4 5/8 ¹	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	70	-	-	15-25	-	-	18-22

¹ inches

TABLE 97
(cont'd)

LENGTH FREQUENCIES - AMERICAN PLAICE - 4T - 1966

(FREQUENCIES IN %/00 - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings								
CATCHES/LANDINGS	October			November			November		
MONTH				Canada (Maritimes)					
COUNTRY									
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	51-150								
22	-	-	5	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-
25	-	-	11	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-
27	-	-	16	-	-	10	-	-	-
28	-	-	42	-	-	20	10	-	10
29	-	-	32	-	-	90	-	-	-
30	-	-	53	-	-	10	30	10	40
31	-	-	63	-	-	100	60	10	70
32	-	-	105	-	-	100	40	20	60
33	-	-	126	-	-	140	70	70	140
34	-	-	121	-	-	80	60	90	150
35	-	-	79	-	-	130	50	70	120
36	-	-	74	-	-	100	20	110	130
37	-	-	42	-	-	90	20	20	40
38	-	-	42	-	-	60	10	30	40
39	-	-	47	-	-	20	10	30	40
40	-	-	42	-	-	-	20	20	40
41	-	-	21	-	-	-	-	10	10
42	-	-	26	-	-	20	-	20	20
43	-	-	26	-	-	-	-	10	10
44	-	-	-	-	-	20	-	10	10
45	-	-	16	-	-	-	-	10	10
46	-	-	-	-	-	-	-	20	20
47	-	-	-	-	-	-	-	10	10
48	-	-	-	-	-	-	-	-	-
49	-	-	11	-	-	10	-	-	-
50	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	10	-	10
55	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	10	10
59	-	-	-	-	-	-	-	10	10
Total %/00	-	-	1000	-	-	1000	410	590	1000
Serial Numbers	-	-	212-213	-	-	214	-	-	165
Number of Samples	-	-	2	-	-	1	-	-	1
Number of Fish Measured	-	-	190	-	-	100	-	-	100
Mean Length (cm)	-	-	34.5	-	-	34.1	-	-	36.0
Mean Weight (kg)	-	-	0.45	-	-	0.39	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 3/8 ¹	-	-	4 3/8 ¹	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	20-30	-	-	20	-	-	60

¹ inches

GEAR	Otter Trawl		
	(Commercial)		
CATCHES/LANDINGS	Landings		
MONTH	June		
COUNTRY	Canada (Maritimes)		
SEX	♂	♀	Tot.
TONNAGE	151-500		
20	-	-	10
21	-	-	10
22	-	-	10
23	-	-	-
24	-	-	10
25	-	-	10
26	-	-	10
27	-	-	10
28	-	-	20
29	-	-	20
30	-	-	60
31	-	-	30
32	-	-	30
33	-	-	10
34	-	-	10
35	-	-	30
36	-	-	40
37	-	-	50
38	-	-	110
39	-	-	10
40	-	-	60
41	-	-	40
42	-	-	30
43	-	-	60
44	-	-	80
45	-	-	30
46	-	-	20
47	-	-	40
48	-	-	30
49	-	-	20
50	-	-	20
51	-	-	30
52	-	-	-
53	-	-	10
54	-	-	10
55	-	-	10
56	-	-	10
57	-	-	-
58	-	-	-
59	-	-	-
60	-	-	-
61	-	-	10
Total ‰	-	-	1000
Serial Numbers	-	-	166
Number of Samples	-	-	1
Number of Fish Measured	-	-	100
Mean Length (cm)	-	-	39.4
Mean Weight (kg)	-	-	0.49
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/4 ¹
Range of Depths (fm)	-	-	30-50

¹ inches

TABLE 99

LENGTH FREQUENCIES - GREENLAND HALIBUT - 2J - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl						
	(Commercial)						
CATCHES/LANDINGS	Catches						
MONTH	June						
COUNTRY	Poland						
SEX	♂♂	♀♀	Tot.		♂♂	♀♀	Tot.
TONNAGE	2670						
38	-	-	2	89	-	-	1
39	-	-	2	90	-	-	1
40	-	-	5	91	-	-	-
41	-	-	4	92	-	-	1
42	-	-	8	93	-	-	-
43	-	-	6	94	-	-	3
44	-	-	15	95	-	-	1
45	-	-	10				
46	-	-	19				
47	-	-	20				
48	-	-	26				
49	-	-	16				
50	-	-	26				
51	-	-	25				
52	-	-	25				
53	-	-	25				
54	-	-	34				
55	-	-	24				
56	-	-	28				
57	-	-	36				
58	-	-	42				
59	-	-	38				
60	-	-	46				
61	-	-	47				
62	-	-	49				
63	-	-	49				
64	-	-	48				
65	-	-	46				
66	-	-	38				
67	-	-	30				
68	-	-	32				
69	-	-	20				
70	-	-	16				
71	-	-	14				
72	-	-	14				
73	-	-	17				
74	-	-	15				
75	-	-	9				
76	-	-	9				
77	-	-	11				
78	-	-	7				
79	-	-	9				
80	-	-	7				
81	-	-	1				
82	-	-	3				
83	-	-	4				
84	-	-	7				
85	-	-	5				
86	-	-	-				
87	-	-	3				
88	-	-	1				
Total ‰	-	-			-	-	1000
Serial Numbers	-	-			-	-	-
Number of Samples	-	-			-	-	1
Number of Fish Measured	-	-			-	-	999
Mean Length (cm)	-	-			-	-	60.7
Mean Weight (kg)	-	-			-	-	-
Total Weight Landed (tons)	-	-			-	-	-
Estimated Number Landed	-	-			-	-	-
Mesh(mm) or Hook(no.) Size	-	-			-	-	114
Range of Depths (fm)	-	-			-	-	-

TABLE 100

LENGTH FREQUENCIES - GREENLAND HALIBUT - 3K - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Catches					
CATCHES/LANDINGS	July					
MONTH	Poland					
COUNTRY	66	67	Tot.	66	67	Tot.
SEX	♂	♀		♂	♀	
TONNAGE	2670					
22	-	-	2	73	-	8
23	-	-	2	74	-	5
24	-	-	3	75	-	5
25	-	-	4	76	-	8
26	-	-	7	77	-	6
27	-	-	6	78	-	6
28	-	-	12	79	-	2
29	-	-	14	80	-	5
30	-	-	13	81	-	3
31	-	-	6	82	-	3
32	-	-	10	83	-	1
33	-	-	17	84	-	2
34	-	-	21	85	-	2
35	-	-	21	86	-	2
36	-	-	14	87	-	-
37	-	-	9	88	-	-
38	-	-	13	89	-	-
39	-	-	18	90	-	-
40	-	-	11	91	-	-
41	-	-	15	92	-	-
42	-	-	9	93	-	-
43	-	-	9	94	-	-
44	-	-	10	95	-	-
45	-	-	10	96	-	-
46	-	-	7	97	-	-
47	-	-	5	98	-	-
48	-	-	8	99	-	-
49	-	-	10	100	-	-
50	-	-	7	101	-	-
51	-	-	11	102	-	-
52	-	-	15	103	-	7
53	-	-	26			
54	-	-	23			
55	-	-	20			
56	-	-	35			
57	-	-	36			
58	-	-	37			
59	-	-	37			
60	-	-	53			
61	-	-	33			
62	-	-	47			
63	-	-	48			
64	-	-	37			
65	-	-	37			
66	-	-	40			
67	-	-	26			
68	-	-	26			
69	-	-	19			
70	-	-	14			
71	-	-	12			
72	-	-	10			
Total ‰	-	-			-	1000
Serial Numbers	-	-			-	-
Number of Samples	-	-			-	1
Number of Fish Measured	-	-			-	1455
Mean Length (cm)	-	-			-	55.2
Mean Weight (kg)	-	-			-	-
Total Weight Landed (tons)	-	-			-	-
Estimated Number Landed	-	-			-	-
Mesh(mm) or Hook(no.) Size	-	-			-	114
Range of Depths (fms)	-	-			-	252

TABLE 101

LENGTH FREQUENCIES - WINTER FLOUNDER - 4T - 1966

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings								
MONTH	June			July			August		
COUNTRY	Canada (Maritimes)								
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	26-50 and 51-150 unweighted								
21	-	-	-	-	-	-	-	-	5
22	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-
24	-	-	20	-	-	-	-	-	15
25	-	-	20	-	-	25	-	-	25
26	-	-	-	-	-	50	-	-	40
27	-	-	40	-	-	60	-	-	140
28	-	-	100	-	-	105	-	-	100
29	-	-	90	-	-	95	-	-	115
30	-	-	160	-	-	100	-	-	140
31	-	-	70	-	-	85	-	-	105
32	-	-	60	-	-	60	-	-	125
33	-	-	80	-	-	100	-	-	70
34	-	-	150	-	-	70	-	-	55
35	-	-	70	-	-	60	-	-	20
36	-	-	30	-	-	40	-	-	25
37	-	-	30	-	-	20	-	-	10
38	-	-	10	-	-	45	-	-	-
39	-	-	30	-	-	20	-	-	5
40	-	-	20	-	-	25	-	-	-
41	-	-	-	-	-	10	-	-	-
42	-	-	10	-	-	20	-	-	5
43	-	-	-	-	-	-	-	-	-
44	-	-	10	-	-	-	-	-	-
45	-	-	-	-	-	5	-	-	-
46	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	5	-	-	-
Total %	-	-	1000	-	-	1000	-	-	1000
Serial Numbers	-	-	172	-	-	173-174	-	-	175-176
Number of Samples	-	-	1	-	-	2	-	-	2
Number of Fish Measured	-	-	100	-	-	200	-	-	200
Mean Length (cm)	-	-	32.0	-	-	32.0	-	-	30.1
Mean Weight (kg)	-	-	0.40	-	-	0.51	-	-	0.32
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	4 1/2 ¹	-	-	4 1/2-4 5/8 ¹
Range of Depths (fm)	-	-	15-18	-	-	16-24	-	-	15-25

¹ inches

TABLE 101
(cont'd)

LENGTH FREQUENCIES - WINTER FLOUNDER - 4T - 1966

(FREQUENCIES IN % - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings								
CATCHES/LANDINGS	September			October			November		
MONTH	Canada (Maritimes)								
COUNTRY	00	99	Tot.	00	99	Tot.	00	99	Tot.
SEX	26-50 and 51-150 unweighted								
TONNAGE									
23	-	-	10	-	-	-	-	-	-
24	-	-	30	-	-	18	-	-	-
25	-	-	20	-	-	83	-	-	-
26	-	-	50	-	-	27	-	-	40
27	-	-	120	-	-	138	-	-	120
28	-	-	80	-	-	138	-	-	150
29	-	-	110	-	-	101	-	-	160
30	-	-	80	-	-	156	-	-	140
31	-	-	110	-	-	138	-	-	150
32	-	-	60	-	-	37	-	-	110
33	-	-	100	-	-	37	-	-	70
34	-	-	40	-	-	37	-	-	30
35	-	-	40	-	-	46	-	-	10
36	-	-	90	-	-	18	-	-	10
37	-	-	20	-	-	-	-	-	-
38	-	-	30	-	-	9	-	-	10
39	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	18	-	-	-
41	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-
43	-	-	10	-	-	-	-	-	-
Total %/oo	-	-	1000	-	-	1001	-	-	1000
Serial Numbers	-	-	177	-	-	209	-	-	210
Number of Samples	-	-	1	-	-	1	-	-	1
Number of Fish Measured	-	-	100	-	-	109	-	-	100
Mean Length (cm)	-	-	30.8	-	-	29.6	-	-	29.9
Mean Weight (kg)	-	-	-	-	-	0.42	-	-	0.40
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	5 ¹	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	17-20	-	-	21	-	-	20

¹ inches

TABLE 102 LENGTH FREQUENCIES - WITCH - 3K - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)					
	Catches			Landings		
CATCHES/LANDINGS	Catches					
MONTH	May		Tot.	June		Tot.
COUNTRY	Poland					
SEX	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	2670					
32	-	-	6	-	-	-
33	-	-	11	-	-	5
34	-	-	-	-	-	-
35	-	-	-	-	-	19
36	-	-	-	-	-	43
37	-	-	-	-	-	28
38	-	-	11	-	-	43
39	-	-	-	-	-	19
40	-	-	6	-	-	9
41	-	-	6	-	-	19
42	-	-	29	-	-	33
43	-	-	34	-	-	28
44	-	-	80	-	-	14
45	-	-	80	-	-	71
46	-	-	69	-	-	38
47	-	-	57	-	-	66
48	-	-	74	-	-	71
49	-	-	46	-	-	19
50	-	-	63	-	-	43
51	-	-	40	-	-	14
52	-	-	46	-	-	-
53	-	-	40	-	-	47
54	-	-	29	-	-	19
55	-	-	23	-	-	28
56	-	-	63	-	-	47
57	-	-	17	-	-	62
58	-	-	34	-	-	71
59	-	-	17	-	-	43
60	-	-	46	-	-	38
61	-	-	23	-	-	33
62	-	-	28	-	-	14
63	-	-	6	-	-	6
64	-	-	6	-	-	-
65	-	-	10	-	-	10
Total ‰	-	-	1000	-	-	1000
Serial Numbers	-	-	-	-	-	-
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	-	-	356	-	-	282
Mean Length (cm)	-	-	50.2	-	-	49.1
Mean Weight (kg)	-	-	-	-	-	-
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	114
Range of Depths (fm)	-	-	-	-	-	-

GEAR	Otter Trawl						
	(Commercial)						
	CATCHES/LANDINGS	Catches			Landings After Discards		
		MONTH	June		December		
COUNTRY	Poland			Canada (Newfoundland)			
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.	
TONNAGE	2670			151-500			
21	-	-	6	-	-	-	
22	-	-	2	-	-	-	
23	-	-	2	-	-	-	
24	-	-	13	-	-	-	
25	-	-	11	-	-	-	
26	-	-	20	-	-	-	
27	-	-	19	-	-	-	
28	-	-	25	-	-	-	
29	-	-	36	-	-	-	
30	-	-	51	-	-	-	
31	-	-	70	-	-	-	
32	-	-	97	-	-	-	
33	-	-	118	-	-	-	
34	-	-	95	-	-	-	
35	-	-	91	-	-	-	
36	-	-	89	-	-	-	
37	-	-	65	-	-	-	
38	-	-	59	-	-	-	
39	-	-	51	5	-	5	
40	-	-	19	4	-	4	
41	-	-	17	9	-	9	
42	-	-	11	18	5	23	
43	-	-	11	18	22	40	
44	-	-	-	23	9	32	
45	-	-	4	41	27	68	
46	-	-	2	63	32	95	
47	-	-	4	54	81	135	
48	-	-	2	27	86	113	
49	-	-	4	22	99	121	
50	-	-	-	23	72	95	
51	-	-	2	5	72	77	
52	-	-	2	-	86	86	
53	-	-	-	-	36	36	
54	-	-	2	4	27	31	
55	-	-	-	-	18	18	
56	-	-	-	-	9	9	
57	-	-	-	-	4	4	
Total ‰/oo	-	-	1000	316	685	1001	
Serial Numbers	-	-	-	-	-	-	
Number of Samples	-	-	1	-	-	1	
Number of Fish Measured	-	-	575	70	152	222	
Mean Length (cm)	-	-	33.9	46.03	49.43	48.35	
Mean Weight (kg)	-	-	-	-	-	0.82	
Total Weight Landed (tons)	-	-	-	-	-	61.6	
Estimated Number Landed	-	-	-	-	-	75358	
Mesh(mm) or Hook(no.) Size	-	-	114	-	-	N ¹	
Range of Depths (fm)	-	-	-	-	-	48-55	

1 Nylon

TABLE 104

LENGTH FREQUENCIES - WITCH - 4T - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl					
	(Commercial)					
CATCHES/LANDINGS	Landings					
MONTH	August			October		
COUNTRY	Canada (Maritimes)					
SEX	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	51-150					
35	-	-	-	-	-	10
36	-	-	2	-	-	10
37	-	-	2	-	-	-
38	-	-	5	-	-	20
39	-	-	7	-	-	60
40	-	-	37	-	-	120
41	-	-	35	-	-	30
42	-	-	75	-	-	50
43	-	-	80	-	-	90
44	-	-	92	-	-	90
45	-	-	50	-	-	60
46	-	-	57	-	-	30
47	-	-	62	-	-	40
48	-	-	57	-	-	50
49	-	-	55	-	-	50
50	-	-	57	-	-	40
51	-	-	37	-	-	20
52	-	-	20	-	-	10
53	-	-	40	-	-	20
54	-	-	37	-	-	20
55	-	-	37	-	-	40
56	-	-	40	-	-	40
57	-	-	26	-	-	10
58	-	-	20	-	-	40
59	-	-	22	-	-	20
60	-	-	26	-	-	10
61	-	-	7	-	-	10
62	-	-	15	-	-	-
63	-	-	-	-	-	-
64	-	-	-	-	-	10
Total ‰	-	-	1000	-	-	1000
Serial Numbers	-	-	177-181	-	-	211
Number of Samples	-	-	4	-	-	1
Number of Fish Measured	-	-	402	-	-	100
Mean Length (cm)	-	-	48.4	-	-	46.6
Mean Weight (kg)	-	-	0.92	-	-	0.80
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 3/4 ¹	-	-	4 3/8 ¹
Range of Depths (fm)	-	-	17-20	-	-	21

¹ inches

GEAR	Otter Trawl						Danish Seine		
	(Commercial)								
CATCHES/LANDINGS	Landings								
MONTH	January			February			August		
COUNTRY	Canada (Maritimes)								
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500						51-150		
23	-	-	-	10	-	10	-	-	-
24	-	-	-	-	-	-	-	-	-
25	-	-	-	15	-	15	-	-	-
26	-	-	-	5	-	5	-	-	-
27	-	-	-	5	5	10	-	-	-
28	-	-	-	10	-	10	-	-	-
29	-	-	-	5	-	5	-	-	-
30	-	-	-	15	-	15	-	-	-
31	-	-	-	15	-	15	-	-	-
32	-	-	-	5	5	10	-	-	-
33	15	-	15	-	10	10	15	-	15
34	-	-	-	-	10	10	20	-	20
35	5	-	5	10	-	10	20	15	35
36	30	10	40	15	-	15	50	25	75
37	10	5	15	20	-	20	100	30	130
38	40	20	60	40	-	40	30	40	70
39	40	5	45	65	5	70	55	65	120
40	45	15	60	60	10	70	55	55	110
41	65	30	95	55	15	70	35	35	70
42	80	25	105	50	35	85	20	55	75
43	45	40	85	60	25	85	35	30	65
44	25	65	90	20	40	60	5	20	25
45	20	70	90	20	100	120	5	30	35
46	20	30	50	-	45	45	20	15	35
47	10	60	70	10	40	50	10	10	20
48	5	35	40	10	40	50	10	15	25
49	5	15	20	-	45	45	-	20	20
50	-	30	30	-	20	20	5	15	20
51	-	25	25	10	10	20	-	10	10
52	-	5	5	-	-	-	5	5	10
53	-	10	10	-	10	10	-	5	5
54	5	20	25	-	-	-	-	-	-
55	-	5	5	-	-	-	-	-	-
56	-	10	10	-	-	-	-	-	-
57	-	-	-	-	-	-	-	5	5
58	-	5	5	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	5	5
Total ‰	465	535	1000	530	470	1000	495	505	1000
Serial Numbers	-	-	182	-	-	183	-	-	184
Number of Samples	-	-	1	-	-	1	-	-	1
Number of Fish Measured	-	-	200	-	-	200	-	-	200
Mean Length (cm)	-	-	43.6	-	-	41.7	-	-	40.8
Mean Weight (kg)	-	-	0.65	-	-	0.59	-	-	0.49
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	4 1/2 ¹	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	100-130	-	-	145-165	-	-	60-80

¹ inches

TABLE 106

LENGTH FREQUENCIES - WITCH - 4W - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Danish Seine					
	(Commercial)					
CATCHES/LANDINGS	Landings					
MONTH	April			July		
COUNTRY	Canada (Maritimes)					
SEX	♂♂	♀♀	Tot.	♂♂	♀♀	Tot.
TONNAGE	26-50 and 51-150 unweighted					
30	-	-	-	9	-	9
31	-	-	-	-	9	9
32	-	-	-	9	19	28
33	-	-	-	19	9	28
34	-	-	-	9	9	18
35	-	-	-	-	9	9
36	8	8	16	19	9	28
37	24	-	24	-	27	27
38	-	-	-	-	19	19
39	40	16	56	19	9	28
40	8	16	24	19	27	46
41	16	40	56	27	37	64
42	79	24	103	37	46	83
43	55	32	87	-	102	102
44	40	47	87	19	46	65
45	32	63	95	27	56	83
46	24	40	64	9	19	28
47	24	47	71	-	56	56
48	32	8	40	-	46	46
49	16	47	63	-	37	37
50	16	32	48	-	65	65
51	-	32	32	-	37	37
52	-	63	63	-	37	37
53	-	24	24	-	19	19
54	-	24	24	-	19	19
55	-	-	-	-	9	9
56	-	24	24	-	-	-
Total ‰	414	587	1001	222	777	999
Serial Numbers	-	-	185	-	-	186
Number of Samples	-	-	1	-	-	1
Number of Fish Measured	-	-	126	-	-	108
Mean Length (cm)	-	-	45.5	-	-	43.6
Mean Weight (kg)	-	-	0.73	-	-	0.59
Total Weight Landed (tons)	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	4 1/2 ¹
Range of Depths (fm)	-	-	100-130	-	-	52-90

¹ inches

TABLE 107

LENGTH FREQUENCIES - YELLOWTAIL - 3N - 1967

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl								
	(Commercial)								
CATCHES/LANDINGS	Landings After Discards								
MONTH	March			October			November		
COUNTRY	Canada (Newfoundland)								
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500								
24	-	-	-	-	-	-	-	5	5
25	-	-	-	-	-	-	-	-	-
26	2	-	2	-	2	2	-	5	5
27	1	2	3	4	2	6	-	5	5
28	1	4	5	-	-	-	5	-	5
29	2	7	9	2	15	17	-	10	10
30	9	16	25	13	13	26	5	14	19
31	3	18	21	10	11	21	43	10	53
32	7	18	25	21	19	40	43	38	81
33	21	34	55	36	34	70	24	29	53
34	27	37	64	29	21	50	14	48	62
35	36	34	70	23	19	42	10	24	34
36	39	52	91	42	32	74	19	19	38
37	46	31	77	40	32	72	33	48	81
38	30	31	61	52	27	79	33	53	86
39	28	43	71	52	48	100	24	53	77
40	34	37	71	44	50	94	29	53	82
41	28	60	88	42	46	88	19	43	62
42	9	52	61	15	44	59	33	72	105
43	12	51	63	19	32	51	-	48	48
44	4	39	43	2	27	29	5	19	24
45	3	34	37	11	40	51	-	24	24
46	1	33	34	-	11	11	-	10	10
47	-	13	13	2	10	12	-	14	14
48	-	1	1	-	6	6	-	14	14
49	-	6	6	-	-	-	-	5	5
50	-	2	2	-	-	-	-	-	-
Total ‰	343	655	998	459	541	1000	339	663	1002
Serial Numbers	-	-	-	-	-	-	-	-	-
Number of Samples	-	-	3	-	-	2	-	-	1
Number of Fish Measured	231	441	672	240	284	524	71	138	209
Mean Length (cm)	37.08	39.02	38.36	37.30	38.77	38.10	36.16	38.48	37.69
Mean Weight (kg)	-	-	0.60	-	-	0.52	-	-	0.54
Total Weight Landed (tons)	-	-	182.2	-	-	213.7	-	-	186.8
Estimated Number Landed	-	-	303032	-	-	411487	-	-	334332
Mesh(mm) or Hook(no.) Size	-	-	P&N ¹	-	-	P&N ¹	-	-	N 4 1/2 ²
Range of Depths (fm)	-	-	26-32	-	-	30-50	-	-	32-42

¹ polypropylene and nylon² inches, nylon

TABLE 108

LENGTH FREQUENCIES - YELLOWTAIL - 30 - 1966

(FREQUENCIES IN %/oo - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)		
CATCHES/LANDINGS	Landings After Discards		
MONTH	May		
COUNTRY	Canada (Newfoundland)		
SEX	♂	♀	Tot.
TONNAGE	151-500		
28	-	2	2
29	3	5	8
30	2	15	17
31	7	3	10
32	7	5	12
33	12	7	19
34	12	17	29
35	26	10	36
36	36	23	59
37	50	28	78
38	56	28	84
39	71	28	99
40	66	35	101
41	58	38	96
42	41	53	94
43	25	55	80
44	13	65	78
45	2	43	45
46	-	22	22
47	-	18	18
48	-	10	10
49	2	-	2
50	-	2	2
51	-	-	-
52	-	2	2
Total %/oo	489	514	1003
Serial Numbers	-	-	-
Number of Samples	-	-	3
Number of Fish Measured	295	309	604
Mean Length (cm)	38.69	40.80	39.77
Mean Weight (kg)	-	-	0.63
Total Weight Landed (tons)	-	-	69.5
Estimated Number Landed	-	-	110574
Mesh(mm) or Hook(no.) Size	-	-	-
Range of Depths (fm)	-	-	30-41

GEAR	Otter Trawl (Commercial)		
CATCHES/LANDINGS	Catches		
MONTH	July		
COUNTRY	Poland		
SEX	♂	♀	Tot.
TONNAGE	2670		
22	-	-	2
23	-	-	2
24	-	-	-
25	-	-	4
26	-	-	8
27	-	-	-
28	-	-	2
29	-	-	2
30	-	-	-
31	-	-	-
32	-	-	8
33	-	-	10
34	-	-	29
35	-	-	48
36	-	-	60
37	-	-	93
38	-	-	113
39	-	-	80
40	-	-	103
41	-	-	76
42	-	-	142
43	-	-	76
44	-	-	58
45	-	-	31
46	-	-	27
47	-	-	2
48	-	-	-
49	-	-	10
50	-	-	8
51	-	-	2
52	-	-	-
53	-	-	2
54	-	-	2
Total ‰	-	-	1000
Serial Numbers	-	-	-
Number of Samples	-	-	1
Number of Fish Measured	-	-	486
Mean Length (cm)	-	-	39.7
Mean Weight (kg)	-	-	-
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	114
Range of Depth (fm)	-	-	-

TABLE 110 LENGTH FREQUENCIES - YELLOWTAIL - 4T - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl		
CATCHES/LANDINGS	(Commercial)		
MONTH	Landings		
COUNTRY	September		
SEX	♂	♀	Tot.
TONNAGE	51-150		
23	-	-	10
24	-	-	10
25	-	-	10
26	-	-	50
27	-	-	60
28	-	-	80
29	-	-	110
30	-	-	130
31	-	-	230
32	-	-	110
33	-	-	100
34	-	-	50
35	-	-	40
36	-	-	10
Total ‰	-	-	1000
Serial Numbers	-	-	167
Number of Samples	-	-	1
Number of Fish Measured	-	-	100
Mean Length (cm)	-	-	30.4
Mean Weight (kg)	-	-	0.31
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 3/4 ¹
Range of Depths (fm)	-	-	17-20

¹ inches

TABLE 111 LENGTH FREQUENCIES - YELLOWTAIL - 4Vs - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl (Commercial)								
	Landings								
CATCHES/LANDINGS	May			June			September		
MONTH	Canada (Maritimes)								
COUNTRY									
SEX	♂	♀	Tot.	♂	♀	Tot.	♂	♀	Tot.
TONNAGE	151-500								
25	-	-	-	-	-	10	-	-	-
26	-	-	-	-	-	-	5	-	5
27	-	-	-	-	-	-	5	-	5
28	20	10	30	-	-	10	10	-	10
29	20	-	20	-	-	30	5	5	10
30	35	5	40	-	-	10	20	10	30
31	30	35	65	-	-	100	10	-	10
32	45	15	60	-	-	160	10	35	45
33	50	35	85	-	-	180	50	10	60
34	50	55	105	-	-	170	25	50	75
35	35	40	75	-	-	120	30	50	80
36	20	20	40	-	-	60	40	90	130
37	15	80	95	-	-	30	60	25	85
38	35	55	90	-	-	60	55	105	160
39	5	35	40	-	-	-	10	50	60
40	15	35	50	-	-	20	10	55	65
41	-	35	35	-	-	10	5	50	55
42	15	20	35	-	-	10	-	40	40
43	10	15	25	-	-	-	-	15	15
44	10	20	30	-	-	-	-	25	25
45	-	10	10	-	-	10	-	5	5
46	-	15	15	-	-	-	-	10	10
47	-	20	20	-	-	-	-	10	10
48	-	15	15	-	-	10	-	5	5
49	-	5	5	-	-	-	-	5	5
50	-	5	5	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-
52	-	5	5	-	-	-	-	-	-
53	-	5	5	-	-	-	-	-	-
Total ‰/oo	410	590	1000	-	-	1000	350	650	1000
Serial Numbers	-	-	168	-	-	169	-	-	170
Number of Samples	-	-	1	-	-	1	-	-	1
Number of Fish Measured	-	-	200	-	-	100	-	-	200
Mean Length (cm)	-	-	36.6	-	-	34.0	-	-	37.0
Mean Weight (kg)	-	-	0.51	-	-	0.40	-	-	0.44
Total Weight Landed (tons)	-	-	-	-	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 1/2 ¹	-	-	4 7/8 ¹	-	-	4 3/4 ¹
Range of Depths (fm)	-	-	38-42	-	-	30-32	-	-	22-25

¹ inches

TABLE 112

LENGTH FREQUENCIES - YELLOWTAIL - 4W - 1966

(FREQUENCIES IN ‰ - 1 CM GROUPS)

GEAR	Otter Trawl		
CATCHES/LANDINGS	(Commercial)		
MONTH	Landings		
COUNTRY	November		
SEX	Canada (Maritimes)		
TONNAGE	♂♂	♀♀	Tot.
	151-500		
30	-	-	10
31	-	-	40
32	-	-	10
33	-	-	-
34	-	-	90
35	-	-	100
36	-	-	110
37	-	-	100
38	-	-	100
39	-	-	150
40	-	-	70
41	-	-	60
42	-	-	80
43	-	-	10
44	-	-	20
45	-	-	10
46	-	-	20
47	-	-	10
48	-	-	10
Total ‰	-	-	1000
Serial Numbers	-	-	171
Number of Samples	-	-	1
Number of Fish Measured	-	-	100
Mean Length (cm)	-	-	38.0
Mean Weight (kg)	-	-	0.50
Total Weight Landed (tons)	-	-	-
Estimated Number Landed	-	-	-
Mesh(mm) or Hook(no.) Size	-	-	4 3/8 ¹
Range of Depths (fm)	-	-	40-45

¹ inches

GEAR	Otter Trawl (Commercial)
CATCHES/LANDINGS	Landings
MONTH	November
COUNTRY	Canada (Maritimes)
TONNAGE	151-500
45	2
48	5
51	12
54	33
57	39
60	81
63	64
66	190
69	111
72	80
75	104
78	66
81	62
84	66
87	28
90	43
93	9
96	5
Total %	1000
Serial Numbers	201
Number of Samples	1
Number of Fish Measured	279
Mean Length (cm)	71.9
Mean Weight (kg)	3.94
Total Weight Landed (tons)	-
Estimated Number Landed	-
Mesh(mm) or Hook(no.) Size	5 ¹
Range of Depths (fm)	55-110

¹ inches

TABLE 114

LENGTH FREQUENCIES - POLLOCK - 4X - 1966

(FREQUENCIES IN ‰ - 3 CM GROUPS)

GEAR	Otter Trawl (Commercial)
CATCHES/LANDINGS	Landings
MONTH	June
COUNTRY	Canada (Maritimes)
TONNAGE	51-150
75	115
78	177
81	396
84	208
87	83
90	21
Total ‰	1000
Serial Numbers	202
Number of Samples	1
Number of Fish Measured	96
Mean Length (cm)	82.1
Mean Weight (kg)	7.09
Total Weight Landed (tons)	-
Estimated Number Landed	-
Mesh(mm) or Hook(no.) Size	4 1/2 ¹
Range of Depths (fm)	30-45

¹ inches

GEAR	Otter Trawl			Long Line	
	(Commercial)				
CATCHES/LANDINGS	Landings				
MONTH	September	October	November	August	September
COUNTRY	Canada (Maritimes)				
TONNAGE	51-150			0-25	
34	9	4	-	-	-
36	5	4	-	-	-
38	11	4	3	-	12
40	20	-	9	6	6
42	31	12	28	16	12
44	81	19	31	38	103
46	90	51	67	62	91
48	130	78	92	97	103
50	139	121	168	91	115
52	141	121	116	100	109
54	94	109	101	75	85
56	90	102	95	91	49
58	59	62	95	50	49
60	36	70	64	78	49
62	25	47	46	59	55
64	5	15	37	50	24
66	7	27	24	41	24
68	4	12	9	22	12
70	5	20	9	22	12
72	5	12	3	31	33
74	5	15	-	22	24
76	2	4	-	16	6
78	-	20	-	6	6
80	2	20	3	12	6
82	-	12	-	6	6
84	2	15	-	-	6
86	-	8	-	6	6
88	-	8	-	3	-
90	-	-	-	-	-
92	-	-	-	-	-
94	2	8	-	-	-
Total %/oo	1000	1000	1000	1000	1000
Serial Numbers	153-155	156-157	203-204	205-207	208-209
Number of Samples	3	2	2	3	2
Number of Fish Measured	555	256	327	320	165
Mean Length (cm)	51.8	57.8	54.1	57.4	54.9
Mean Weight (kg)	1.01	1.62	1.37	1.54	1.38
Total Weight Landed (tons)	-	-	-	-	-
Estimated Number Landed	-	-	-	-	-
Mesh(mm) or Hook(no.) Size	4 3/8-5 ¹	5 ¹	4 1/2 ¹	# 18	# 16
Range of Depths (fm)	15-20	18-22	100	16-20	19-21

¹ inches

APPENDIX

Corrections to Sampling Yearbook, Volume 10Length Frequencies - pages 182 and 183

In Table 92 for Division 4T and in Table 93 for Division 4X
read "WHITE HAKE" instead of "RED HAKE."

