

Serial No. N6555

Northwest Atlantic



Fisheries Organization

NAFO SCS Doc. 16/09

SCIENTIFIC COUNCIL MEETING – JUNE 2016

PORTUGUESE RESEARCH REPORT FOR 2015

by

J. Vargas, R. Alpoim, E. Santos and A. M. Ávila de Melo

INSTITUTO PORTUGUÊS DO MAR E DA ATMOSFERA – IPMA, I.P.
R. Alfredo Magalhães Ramalho, 6, 1495-006, Lisboa, Portugal

A. Status of the fisheries

In 2015, the Portuguese provisional nominal catches proceeding from NAFO Regulatory Sub Area 3 reached 16 900 ton (Table 1-A). Nominal catches increased continuously from 2000 to 2003, when they peaked at 22 700 ton, but declined sharply afterwards (Table I-B); during 2004- 2008 catches stabilized between 11 700 and 13 500 ton. Since 2009 catches increased from around 15 400 ton (2009-2010) to near 19 000 ton (2014) but in 2015, the catches return to similar values observed in 2011-2012.

The 2015 fishing effort (Table II) and the catches are provisional (data extracted from NAFO Database STATLANT 21A on 16 May 2016 and STATLANT 21B on 25 May 2016), In 2015, 9 trawlers composed the Portuguese fleet that operated in the NAFO area.

Due to the reopening, in 2010, of the fishery for cod in Div 3M (Flemish Cap), this species represents now 59% of the total catch in this division and 28% of the Portuguese catches in all Sub Area 3. Catches of redfish tripled its value from 2013 (571 ton) to 2015 (1660 ton) in Div. 3L and in Div. 3N catches oscillated between 250 and 660 ton in the same period. In Div. 3M, after the 2009-2011 period when catches were around 5000 ton catches in 2012-2014 decreased to the vicinity of 3500 ton, in 2015 catches decreased again to 2500 ton. In Div. 3M the total catches of this species decreased 50% from 2011 to 2015, representing now 31% of the total catches in this division and 15% of the Portuguese catches in all Sub Area 3. In Div. 30, catches of redfish remained relatively stable in recent years and represents more than 80% of the total catches in this division and 25% of the Portuguese catches in all Sub Area 3. Redfish remains by far the most important species in the Portuguese commercial catches from Sub Area 3, representing in recent years around 50% of the overall catch. After remaining more or less stable in previous years, the Greenland halibut catches in the divisions 3L and 3M decreased 17%.

Roughhead grenadier catches in recent years are mainly by-catch of the Greenland halibut fishery and have been decreasing. The American plaice catches remains stable in all divisions. The witch flounder catches, after almost doubled in 2014 (due the increase of 80 ton in Div. 3M) decreased to residual values (55 ton in all Subarea 3) and the yellowtail flounder catches decreased also in the last years and are now residual around 30 ton since 2014. Subarea 3 skates catches oscillates between 200 and 400 ton in the past five years. The catches of haddock that more than doubled in 2014 relatively 2013 and reached 180 ton are now just 30 ton. The 30 division fishery of silver hake decreased from 468 ton to 265 ton (less almost 50%). The shrimp fishery in Div. 3L, that in 2009 its catches reached 20% of the total catch in this division, declined significantly in 2010. Portugal stopped fishing shrimp in 2013. The catches of other species remained more or less stable in all divisions.

Greenland halibut together with redfish continues to be the bulk of the catch on Div. 3L (more than 85% of the overall catch since 2009). The catch in Div. 3M (mainly cod and redfish) continue in 2015, like in most

recent years, to represent around 50% of the total catch. This division is, at present, the most important ground for the Portuguese NAFO fishery, but cod replaced redfish as the most important fishery. From 2012 to 2015, the catches in Div. 3N fell by half, being now redfish (46%), skates (29%) and Greenland halibut (12%) catches the most representative in the total Div. 3N catches. On division 30, redfish continues the most important fishery.

B. Portuguese Annual Sampling Program

1. Catch and effort sampling.

Effort and CPUE data for 2015 Portuguese trawl fishery on the NAFO Regulatory Area were obtained through the revision of skipper logbooks from two trawlers, kindly supplied by its owners. All the information (round weight of the catch by species, fishing effort, positions and depths) has been recorded on a tow-by-tow basis. The vessel conversion factors were used to convert its processed landings in catches.

The daily catch and effort data from the logbook were used to estimate the directed effort and CPUE for each of the target species/stock, as well as the main by-catch species and depth range of the different fisheries, on a monthly basis. From the data available, the majority of the fishing effort was directed towards cod, redfish and Greenland halibut. Data regarding directed effort and catch rates of the Greenland halibut fishery are presented in Table III to IV-B and Fig. 1.

The Greenland halibut CPUE series was updated with the 2015 observed CPUEs. The additive model (Ávila de Melo and Alpoim, 1995), was upgraded in 1998 (Alpoim *et al.*, 1998) and used, like in previous years, to standardize the observed CPUEs, but excluding the vessel factor because the sampling program in recent years was carried out on vessels that were not sampled before. If the vessel factor is applied, these new vessels will increase a lot the noise. Because they are the only vessels sampled in the recent years, we assumed that all vessels belong to the same category what is realistic. From January 1988 till April 1995 each monthly observed CPUE of this series was previously corrected for 130mm mesh size (Ávila de Melo and Alpoim, 1996). In this analysis, any observation corresponding to a month and a trawler with less than 10 hours of directed effort was rejected. The CPUEs are presented in Tables IV and Fig. 1, with the associated standard errors (+/- 2 standard errors in the Figures) and coefficients of variation.

1.1. Comments on catch and effort data (based on the vessels sampled)

1.1.1. Greenland halibut in Div. 3L, 3M, 3N and 30

In Div. 3L catch rates declined prior to the boom of the deep-water fishery (Table IV-A, Fig. 1). However, it is from 1990 to 1991, i.e. from the first to the second year of this new fishery in the Regulatory Area, that CPUEs fell by half. Between 1991 and 1994 catch rates remained stable at a low level. Since then, catch rates gradually increased, reaching an upper level in 1999-2000. Catch rates declined in 2001 and remained stable at that lower level in 2002 and 2003. In 2004 the catch rates decline again, reaching the lowest value since 1994. However, after 2004 the Greenland halibut catch rates recovered continuously and, despite the high variability from 2006 to 2015, the catch rates reached, in this period, the highest values observed of the time series.

Div. 3M catch rates despite more noisy follows the same trend as the ones in Div. 3L.

For all Div. 3LMNO combined (Table IV-A, Fig. 1) the observed catch rates series follows the Div. 3L pattern, since this is the division of Sub Area 3 with the highest concentration of Greenland halibut fishing effort.

2. Biological Sampling

In 2015, biological sampling was obtained from two stern trawlers fishing in Div. 3L, 3M, 3N and 30 during all the year. Apart from species under moratoria, a priority to be sampled whenever they appear in the hauls,

biological sampling was conducted for the two most abundant species in each haul, following the NAFO sampling recommendations.

Cod, redfish (*S. mentella*) and American plaice were sampled in Div. 3L, 3M, 3N and 30 (Tab. V). Greenland halibut was sampled in Div. 3L, 3M and 30. Witch flounder was sampled in Div. 3M, 3N and 30. Roughhead grenadier was sampled in Div. 3L and 3M. Redfish (*S. marinus*) were sampled only in Div. 3M and white hake only in Div. 30.

Since 1996, all commercial information is representative of the catch as a whole, although sampling continues to be carried out by sex, with the exception of cod, white hake, Atlantic halibut and haddock. Mean weight and mean weight in the catch are derived from the length-weight relationships calculated from the commercial sampling in 2015 and are presented in Table VI. However, for species/stock with a low sampling level in 2015, the length-weight relationships calculated in previous years were used.

2.1. Catch and by-catch composition of the 2015 trawl fishery (130mm codend mesh size).

The regular mesh size in the codend used by the monitored trawlers fishing groundfish was the 130mm and, when the mesh size is not mentioned it, means that the sample refers to the 130mm mesh size. Nevertheless, some sets in Div. 3N and 30 were made with a skate trawl net with 200mm/280mm mesh size in the codend, representing 43% and 9% of the total effort sampled in each division respectively. The size of these catches within the overall sampled catch in Div. 3N is about 50% for American plaice, 96% for yellowtail flounder, 8% witch flounder and 94% for thorny skate. The size of these catches within the overall sampled catch in Div. 30 is about 2% for redfish (*S. mentella*), 9% for American plaice, 1% for witch flounder, 13% for yellowtail flounder and 30% for thorny skate.

2.1.1. Cod Div. 3L

Information on length composition of the cod by-catch in Div. 3L is available for February and from May to December (Table VII, Fig. 2), from 200 m to 750 m depth.

Lengths between 39 cm and 51 cm dominated the by-catch, with a clear modal class at 39 cm (mean length and weight of 45.8 cm and 1009 g).

2.1.2. Cod Div. 3M

Information on length composition of the cod trawl catch in Div. 3M is available from January to November, (Table VIII, Fig. 3), from 158 m to 638 m depth.

Lengths between 39 cm and 54 cm dominated the catch, with two modal classes at 48 cm and 51 cm (mean length and weight of 54 cm and 1722 g).

2.1.3. Cod Div. 3N

Information on length composition of the cod by-catch in Div. 3N is available from March to December, except for June and August (Table IX, Fig. 4), from 241 m to 679 m depth.

Lengths between 54 cm and 66 cm dominated the by-catch, with a modal class at 57 cm (mean length and weight of 58 cm and 1645 g).

2.1.4. Cod Div. 30

Information on length composition of the cod by-catch in Div. 30 is available from March to December, except for October (Table X-A, Fig. 5a), from 121 m to 554 m depth.

Lengths between 39 cm and 51 cm dominated the by-catch, with a very clear modal class at 48 cm (mean length and weight of 48.9 cm and 1071 g).

2.1.5. Cod Div. 3O 280 mm mesh size

Information on length composition of the cod by-catch in Div. 3O (280 mm mesh size) is available only for December (Table X-B, Fig. 5b), from 94 m to 99 m depth.

Despite the small sampling (100 fish measured), the data shows that lengths between 42 cm and 51 cm dominated the by-catch, with a modal class at 48 cm (mean length and weight of 52.6 cm and 1262 g).

2.1.6. Redfish (*S. mentella*) Div. 3L

Information on length composition of the redfish (*S. mentella*) trawl catches in Div. 3L is available from February to December, except for March (Table XI, Fig. 6), from 200 m to 964 m depth.

Lengths between 20 cm and 24 cm dominated the catch, with a modal class at 22 cm (mean length and weight of 23.5 cm and 183 g).

2.1.7. Redfish (*S. mentella*) Div. 3M

Information on length composition of the redfish (*S. mentella*) trawl catches in Div. 3M is available from January to October, except for August (Table XII, Fig. 7), from 146 m to 849 m depth.

Lengths between 20 cm and 24 cm dominated the catch, with a modal class at 22 cm (mean length and weight of 23.9 cm and 210 g).

2.1.8. Redfish (*S. mentella*) Div. 3N

Information on length composition of the redfish (*S. mentella*) trawl catches in Div. 3N is available from March to December, except for June and November (Table XIII, Fig. 8), from 193 m to 680 m depth.

Lengths between 20 cm and 24 cm dominated the catch, with a modal class at 22 cm (mean length and weight of 22.3 cm and 151 g).

2.1.9. Redfish (*S. mentella*) Div. 3O

Information on length composition of the redfish (*S. mentella*) trawl catches in Div. 3O is available from March to December, except for October (Table XIV, Fig. 9), from 150 m to 567 m depth.

Lengths between 16 cm and 22 cm dominated the catches, with a modal class at 20 cm (mean length and weight of 19.2 cm and 90 g).

2.1.10. Redfish (*S. marinus*) Div. 3M

Information on length composition of the redfish (*S. marinus*) trawl catches in Div. 3M is available from March to August, except for May (Table XV, Fig. 10), from 197 m to 444 m depth.

Lengths between 26 cm and 30 cm dominated the catches, with a clear modal class at 27 cm (mean length and weight of 27.9 cm and 294 g).

2.1.11. American plaice Div. 3L

Information on length composition of the American plaice by-catch in Div. 3L is available from May to December, except for July and August (Table XVI, Fig. 11), from 200 m to 750 m depth.

Lengths between 28 cm and 34 cm dominated the by-catch, with a modal class at 32 cm (mean length and weight of 33.1 cm and 369 g).

2.1.12. American plaice Div. 3M

Information on length composition of the American plaice by-catch in Div. 3M is available from January to November, except for April (Table XVII, Fig. 12), from 146 m to 632 m depth.

Lengths between 28 cm and 34 cm dominated the by-catch, with a modal class at 30 cm (mean length and weight of 35.2 cm and 482 g).

2.1.13. American plaice Div. 3N

Information on length composition of the American plaice by-catch in Div. 3N is available for October and December (Table XVIII-A, Fig. 13a), from 270 m to 450 m depth.

Lengths at 28 cm and 44 cm and dominated the by-catch (mean length and weight of 37.5 cm and 530 g).

2.1.14. American plaice Div. 3N 280 mm mesh size

Information on length composition of the American plaice by-catch in Div. 3N (280 mm mesh size) is available for August and September (Table XVIII-B, Fig. 13b), from 43 m to 140 m depth.

Lengths between 40 cm and 48 cm dominated the by-catch, with a modal class at 44 cm (mean length and weight of 47.4 cm and 1028 g).

2.1.15. American plaice Div. 3O

Information on length composition of the American plaice by-catch in Div. 3O is available from May to December, except for July and October (Table XIX, Fig. 14), from 121 m to 550 m depth.

Lengths between 28 cm and 40 cm dominated the by-catch (mean length and weight of 34.6 cm and 430 g).

2.1.16. Greenland halibut Div. 3L

Information on length composition of the Greenland halibut catches in Div. 3L is available from February to December (Table XX, Fig. 15), from 750 m to 1450 m depth.

Lengths between 40 cm and 50 cm dominated the catch, with a modal class at 44 cm (mean length and weight of 45.1 cm and 918 g).

2.1.17. Greenland halibut Div. 3M

Information on length composition of the Greenland halibut catches in Div. 3M is available from February to October, except for September (Table XXI, Fig. 16), from 708 m to 1145 m depth.

Lengths between 46 cm and 52 cm dominated the catch, with a very clear modal class at 50 cm (mean length and weight of 48.8 cm and 1137 g).

2.1.18. Greenland halibut Div. 3O

Information on length composition of the Greenland halibut catches in Div. 3N is available only for December (Table XXII, Fig. 17), from 467 m to 530 m depth.

Despite the small sampling (1 sample, 180 fish measured), data shows that the lengths between 34 cm and 40 cm dominated the catch, with a modal class at 36 cm (mean length and weight of 37.4 cm and 466 g).

2.1.19. Witch flounder Div. 3M

Information on length composition of the witch flounder by-catch in Div. 3M is available from January to March, for May and from July to October, except for August (Table XXIII, Fig. 18), from 146 m to 638 m depth.

Lengths between 28 cm and 38 cm dominated the by-catch, with a very clear modal class at 32 cm (mean length and weight of 33.9 cm and 451 g).

2.1.20. Witch flounder Div. 3N

Information on length composition of the witch flounder by-catch in Div. 3N is available for March, May, October and December (Table XXIV, Fig. 19), from 220 m to 332 m depth.

Lengths between 30 cm and 52 cm dominated the catch, with a very clear modal class at 34 cm (mean length and weight of 40.2 cm and 535 g).

2.1.21. Witch flounder Div. 3O

Information on length composition of the witch flounder by-catch in Div. 3O is available from April to September (except for July) and for December (Table XXV, Fig. 20), from 136 m to 567 m depth.

Lengths between 30 cm and 40 cm dominated the catch, with a modal class at 34 cm (mean length and weight of 35.1 cm and 284 g).

2.1.22. Roughhead grenadier Div. 3L

Information on length composition of the roughhead grenadier catches in Div. 3L is available from February to August (except for March) and for November (Table XXVI, Fig. 21), from 837 m to 1196 m depth.

Anal fin lengths between 11 cm and 13 cm dominated the catch, with a very clear modal class at 12 cm (mean length and weight of 12.8 cm and 219 g).

2.1.23. Roughhead grenadier Div. 3M

Information on length composition of the roughhead grenadier catch in Div. 3M is available only from March to August, except for May (Table XXVII, Fig. 22), from 722 m to 1177 m depth.

Anal fin lengths between 9 cm and 15 cm dominated the catch, with a clear modal class at 9 cm (mean length and weight of 12.9 cm and 233 g).

2.1.24. White hake Div. 3O

Information on length composition of the white hake catches in Div. 3O is available from May to September, except for July (Table XXVIII, Fig. 23), from 162 m to 509 m depth.

Despite the large range of lengths, the data show that lengths between 42 cm and 55 cm dominated the catch (mean length and weight of 48.1 cm and 952 g).

3. Acknowledgements

This study was supported by the European Commission (Program for the Collection of Data in Fisheries Sector) and IPMA, I.P.

4. References

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TABLE I-A: PORTUGUESE NOMINAL TRAWL CATCHES (mt) IN NAFO AREA, 2015
(data extracted from NAFO Database Statlant 21A on 16 May 2016).

SPECIES	DIVISION				TOTAL 2015
	3L	3M	3N	3O	
Cod	70	4680	27	112	4889
Redfish	1660	2468	440	4232	8800
American plaice	33	111	34	113	291
Yellowtail flounder			14	21	35
Witch flounder	2	49		4	55
Greenland halibut	1111	484	114	13	1722
Atlantic halibut	40	42	39	79	200
Roughhead grenadier	58	30	2		90
Roundnose grenadier	2	11			13
Anarhichas spp.	1	4			5
Haddock		19		11	30
Pollock					
White hake			4	129	133
Red hake	2				2
Silver Hake			1	265	266
Capelin					
Skates	24	17	275	44	360
Monkfish			1	9	10
Squid					
Shrimp					
Unidentified					
TOTAL	3003	7915	951	5032	16901

TABLE I - B: PORTUGUESE NOMINAL TRAWL CATCHES (mt) IN NAFO DIV. 3LMNO (data extracted from NAFO Database Statlist 21A on 16 May 2016).

SPECIES / YEAR	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
Cod	5504	4814	2946	2832	1528	1003	434	255	177	105	281	602	488
Redfish	9509	9504	8953	9983	10904	9361	7768	7758	9155	8832	6637	9219	6346
American plaice	275	407	468	198	160	298	355	443	376	371	517	748	634
Yellowtail flounder	31	94	267	71	27	71	145		134	188	68	287	123
Witch flounder	186	128	108	128	71	131	221	124	141	150	591	485	436
Greenland halibut	1938	2124	2051	2493	2257	2075	1976	1873	2326	2256	1888	4369	4318
Atlantic halibut	133	96	70	46	56	469	23	32	43	20	59	89	47
Roughhead grenadier	293	88	488	251	83	266	50	34	77	262	381	302	508
Roundnose grenadier	42	10	39	48	27	198	29	37	54				
Anarhichas spp.	4	4	6	18	13	41	25	16	28	32	45	112	88
Haddock	181	78	64	13	1	3	1	2		6	23	141	78
Pollock		1								4		114	
White hake	109	81	19	25	17	24	55	62	102	157	1266	4090	1678
Red hake	1	1	69	1			3	2	4	18	13	2	1968
Silver Hake	468	30	35								6		
Capelin													
Skates	452	496	427	435	304	1045	1252	1058	1003	576	1550	1942	1362
Monkfish	24	7	4	1	11	3	13	35	34	6	73	165	71
Squid					1	2	29	5	2	17		11	
Shrimp					5	15	332				50		16
Unidentified	18	110	279	68	11	77	2	1	216	6	15	13	322
TOTAL	19167	18073	16230	16680	15488	15426	12357	11734	13887	12985	13478	22680	18483

TABLE I - B: cont.

SPECIES / YEAR	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Cod	361	192	325	550	1545	1316	1670	2640	3657	5986	13362	15142	24130	12963
Redfish	5561	5678	6082	2370	1126	2152	3297	8614	9831	6584	12165	17803	19032	19137
American plaice	636	400	718	361	389	289	170	346	323	453	1183	715	1821	1813
Yellowtail flounder	350	151	428	87					21			11	5	
Witch flounder	576	230	509	381	350	238	385	579	291	851	1980	2257	15	10
Greenland halibut	5027	4688	3997	3245	3347	3313	1942	5970	8811	10547	13961	11171	3616	4194
Atlantic halibut	45	28	51	29	15	9	18	45	50	79	229	96	152	
Roughhead grenadier	613	397	1302	1088	765	787	1377	2224	1996	2004	4053	3211	290	911
Roundnose grenadier														
Anarhichas spp.	142	61	552	139	184	121	1358	3219	2303	1697	2842	1941		
Haddock	22	12	11	5	42		2	10	10	165	82	17		
Pollock								13	41	29	424	11		8
White hake														
Red hake	273	43	76	19	54	124	230	270	365	467	1010	469	104	
Silver Hake														
Capelin												14		
Skates	883	672	2168	1105	908	796	2062	6239	7604	7019	23304	13557	652	1075
Monkfish										37	7	15		47
Squid					1		4							
Shrimp	420	289	227	203	170		17							
Unidentified	40	1	115	38	115	23	15	12	245	325	725	779	158	6
TOTAL	14949	12842	16561	9621	9010	9172	12543	30181	35548	36243	75327	67194	49885	40269

TABLE II : PORTUGUESE TRAWL EFFORT IN FISHING DAYS
 IN NAFO Div. 3LMNO (data extracted from NAFO.
 (Database Statlant 21B on 25 May 2016)

YEAR	3L	3M	3N	3O	Total geral
2000	519	248	297	329	1393
2001	770	477	361	262	1870
2002	607	263	532	490	1892
2003	503	257	783	753	2296
2004	435	400	406	464	1705
2005	492	407	218	359	1476
2006	408	454	106	517	1485
2007	295	359	162	421	1237
2008	307	464	179	213	1163
2009	512	727	237	188	1664
2010	495	643	214	242	1594
2011	432	770	320	233	1755
2012	235	400	337	299	1271
2013	395	681	350	258	1684
2014	454	791	194	361	1800
2015 (a)	386	581	167	353	1487

a) not extracted from Database Statlant 21B, provisional

TABLE III: Portuguese trawl fishery cpue's and bycatch by month and division for 2015.

DIVISION	TARGET SPECIES	MONTH	DEPTH RANGE (m)		CPUE (ton/hour)	MAIN BYCATCH		WITCH FLOUNDER BYCATCH (%)	TOTAL BYCATCH (%)
			MIN.	MAX		SPECIES	%		
3M	COD	JAN	273	472	1.866	RED	5.2	0.1	6.0
3M	COD	FEB	257	499	4.706	RED	1.0	0.2	1.7
3M	COD	MAR	365	491	3.370	RED	1.0	0.0	1.3
3M	COD	APR	301	468	2.261	RED	1.4	0.0	1.7
3M	COD	MAY	197	483	1.982	RED	5.1	0.1	6.1
3M	COD	JUN	194	290	1.081	RED	2.8	0.6	6.1
3M	COD	JUL	193	431	1.312	RED	16.6	0.6	19.8
3M	COD	AUG	180	315	1.161	PLA	3.3	0.4	5.2
3M	COD	SEP	196	264	1.340	PLA	3.6	0.7	9.0
3M	COD	OCT	139	254	2.194	PLA	3.5	1.2	7.9
3M	COD	NOV	189	241	0.830	PLA	3.2	1.5	7.6
3L	RED	FEB	289	567	0.885	COD	12.6	0.0	14.5
3L	RED	MAY	261	355	2.081	COD	6.9	0.0	8.1
3L	RED	JUN	255	750	2.491	COD	7.8	0.0	10.3
3L	RED	JUL	260	335	4.742	COD	1.8	0.0	3.1
3L	RED	AUG	260	343	2.332	COD	2.4	0.0	4.9
3L	RED	SEP	245	488	2.292	COD	3.9	0.0	6.2
3L	RED	OCT	252	344	1.508	COD	4.3	0.0	7.2
3L	RED	NOV	260	312	0.707	COD	10.8	0.0	23.2
3L	RED	DEC	306	398	0.507	COD	5.6	0.0	10.3
3M	RED	JAN	346	631	1.509	COD	7.6	0.7	8.9
3M	RED	FEB	581	638	2.454	COD	2.3	0.3	3.7
3M	RED	MAY	354	483	0.799	COD	15.9	1.7	21.7
3M	RED	JUL	265	466	0.789	COD	23.6	0.1	24.7
3N	RED	MAR	283	492	10.751	COD	28.8	0.1	29.6
3N	RED	APR	333	406	23.196	COD	23.2	0.1	24.6
3N	RED	JUL	331	489	1.797	COD	10.9	0.2	11.9
3N	RED	AUG	329	680	4.955	PLA	0.6	0.1	0.8
3N	RED	SEP	193	679	4.034	COD	4.3	0.2	8.1
3N	RED	OCT	270	370	18.165	COD	4.5	1.5	9.7
3N	RED	DEC	220	586	0.523	COD	5.3	3.5	18.2
3O	RED	APR	213	355	1.766	COD	13.6	3.1	19.5
3O	RED	MAY	140	687	2.092	COD	4.1	2.9	14.3
3O	RED	JUN	158	650	1.924	COD	19.5	3.0	32.0
3O	RED	JUL	265	442	0.825	COD	8.0	0.1	10.0
3O	RED	AUG	162	557	1.047	COD	4.9	1.5	11.7
3O	RED	SEP	139	567	1.576	COD	6.3	3.3	14.8
3O	RED	NOV	226	478	0.440	HKW	4.7	2.2	25.4
3O	RED	DEC	209	585	0.780	HAL	2.5	2.0	13.9
3L	GHL	FEB	890	1390	0.941	RHG	3.3	0.0	4.7
3L	GHL	MAR	860	1187	0.516	RHG	1.1	0.0	1.3
3L	GHL	APR	781	1190	0.473	RHG	1.1	0.3	2.0
3L	GHL	MAY	750	1156	0.792	RED	0.4	0.0	1.1
3L	GHL	JUN	854	1172	1.548	RHG	4.5	0.0	6.1
3L	GHL	JUL	813	1005	0.570	RHG	1.7	0.0	2.2
3L	GHL	AUG	785	1002	0.436	RHG	2.1	0.1	2.7
3L	GHL	SEP	969	1142	0.443	HAL	0.8	0.0	1.8
3L	GHL	OCT	752	1450	0.817	RHG	9.5	0.0	11.3
3L	GHL	NOV	784	964	0.365	RHG	2.7	0.0	2.8
3L	GHL	DEC	302	900	0.459	RHG	2.5	0.0	4.3
3M	GHL	MAR	1002	1145	1.158	RHG	0.6	0.0	0.7
3M	GHL	APR	800	1114	0.675	RHG	1.2	0.1	1.5
3M	GHL	MAY	819	988	0.229	RHG	0.8	0.0	1.3
3M	GHL	JUN	722	804	0.291	RHG	1.5	0.4	2.0
3M	GHL	JUL	770	1177	0.633	RHG	0.9	0.0	1.0
3M	GHL	AUG	915	1113	0.538	RHG	2.7	0.0	3.0
3M	GHL	OCT	833	952	0.909	RHG	10.6	0.0	12.0

Table III (cont.)

DIVISION	TARGET SPECIES	MONTH	DEPTH RANGE (m)		CPUE (ton/hour)	MAIN BYCATCH SPECIES		WITCH FLOUNDER BYCATCH (%)	TOTAL BYCATCH (%)
			MIN.	MAX.		GHL	%		
3L	RHG	NOV	784	805	0.059	-	55.0	0.0	57.9
3O	RHG	AUG	87	95	0.022	-	0.0	0.0	0.0
3N	WIT	MAR	297	303	0.561	HKW	36.2	42.5	57.5
3O	WIT	MAR	217	251	0.351	RED	15.3	66.4	33.6
3O	WIT	APR	239	271	0.471	RED	9.6	80.9	19.1
3N	HKW	MAR	297	303	0.478	WIT	42.5	42.5	63.8
3O	HKW	SEP	157	326	0.048	PLA	19.1	6.8	62.8
3N	SKA	AUG	43	68	0.203	PLA	13.4	1.5	28.1
3N	SKA	SEP	53	140	0.108	PLA	10.2	1.0	20.2
3O	SKA	SEP	88	144	0.144	PLA	26.3	1.1	32.8
3O	SKA	DEC	94	121	0.069	COD	22.3	0.0	42.4

TABLE IV - A: GREENLAND HALIBUT TRAWL CATCH RATES, 1988-2015: mean annual cpue's corrected for the month, division and vessel of each observation.

	3L			3M			3N			3LMN		
	CPUE	ST.ERROR	C.V.									
1988	0.452	0.086	38.2							0.409	0.087	42.7
1989	0.434	0.073	50.1							0.389	0.073	56.0
1990	0.362	0.039	37.8	0.129			0.173			0.310	0.037	44.6
1991	0.245	0.052	47.9				0.127	0.031	42.2	0.188	0.037	55.3
1992	0.176	0.031	56.4				0.258	0.032	42.8	0.253	0.033	62.4
1993	0.137	0.009	9.8				0.172	0.021	41.8	0.233	0.025	40.5
1994	0.100	0.003	4.3				0.111	0.017	36.9	0.165	0.033	56.7
1995	0.129	0.009	20.5	0.156	0.017	24.8	0.123	0.024	50.9	0.152	0.018	51.8
1996	0.165	0.020	44.8	0.193	0.024	36.7	0.172	0.019	29.6	0.165	0.013	42.6
1997	0.189	0.012	20.4	0.243	0.025	29.5	0.130	0.009	9.2	0.186	0.015	36.4
1998	0.275	0.018	24.0	0.235	0.022	33.1	0.210	0.019	30.4	0.255	0.012	30.6
1999	0.293	0.023	25.2	0.338	0.041	36.2	0.261	0.020	23.0	0.301	0.018	33.4
2000	0.267	0.028	27.9	0.284	0.023	17.8	0.303	0.043	28.2	0.276	0.024	34.9
2001	0.209	0.023	29.1	0.201	0.011	14.9	0.193	0.017	20.1	0.204	0.015	32.3
2002	0.220	0.015	22.2	0.222	0.032	47.4	0.269	0.032	23.6	0.218	0.018	41.4
2003	0.221	0.028	39.4	0.221	0.033	41.9	0.205	0.021	24.6	0.220	0.020	44.1
2004	0.125	0.015	35.8	0.106	0.025	70.5	0.142	0.010	19.5	0.140	0.015	58.2
2005	0.204	0.002	1.2	0.314	0.086	38.9				0.221	0.026	23.4
2006	0.452	0.050	27.0	0.264	0.049	32.0				0.351	0.045	38.5
2007	0.656	0.084	31.5	0.405	0.066	32.5				0.523	0.068	41.0
2008	0.445	0.036	19.6	0.422	0.017	8.0				0.403	0.021	16.4
2009	0.720	0.092	38.2	0.636	0.049	21.7				0.651	0.050	32.3
2010	0.414	0.034	25.6	0.369	0.012	5.5	0.474			0.396	0.027	25.9
2011	0.779	0.074	23.4	0.633	0.076	27.2				0.684	0.060	29.4
2012	0.356	0.050	20.2	0.327						0.330	0.039	20.7
2013	0.459	0.047	26.1	0.275	0.017	13.1	0.387	0.040	14.9	0.383	0.032	29.5
2014	0.440	0.070	43.8	0.279	0.036	23.5	0.416	0.205	88.8	0.403	0.063	58.5
2015	0.585	0.063	36.1	0.650	0.118	42.7				0.580	0.057	40.1

TABLE IV - B: GREENLAND HALIBUT TRAWL CATCH RATES,
1988-2015 mean cpue's by division corrected for the year, month
and vessel of each observation.

	CPUE	ST.ERROR	C.V.
3L	0.337	0.008	35.5
3M	0.302	0.009	33.1
3N	0.209	0.008	38.4
3LMNO	0.294	0.005	38.8

TABLE V: Intensity of the trawl sampling during 2015, by species, division and month.

SPECIES	DIV.	MONTH	Nº OF SAMPLES	Nº FISH MEASURED	SAMPLING WEIGHT(Kg)	OTOLITHS	
						Nº	LENGTH RANGE (cm)
COD	3L	FEB	2	198	163	-	-
COD	3L	MAY	2	261	204	-	-
COD	3L	JUN	14	1706	1478	-	-
COD	3L	JUL	2	200	361	50	39-96
COD	3L	AUG	2	200	224	50	35-85
COD	3L	SEP	15	1611	1482	-	-
COD	3L	OCT	9	890	774	-	-
COD	3L	NOV	2	200	344	-	-
COD	3L	DEC	2	200	316	-	-
COD	3M	JAN	16	2256	2748	-	-
COD	3M	FEB	18	2196	3466	155	32-112
COD	3M	MAR	5	535	1257	50	51-99
COD	3M	APR	4	401	1021	50	51-107
COD	3M	MAY	15	2051	3012	132	30-92
COD	3M	JUN	4	401	849	100	35-90
COD	3M	JUL	12	1547	2302	150	33-92
COD	3M	AUG	4	400	969	100	42-112
COD	3M	SEP	10	1168	1813	100	43-101
COD	3M	OCT	5	670	664	-	-
COD	3M	NOV	4	400	890	100	44-108
COD	3N	MAR	2	200	406	-	-
COD	3N	APR	1	100	176	-	-
COD	3N	MAY	2	200	183	40	48-89
COD	3N	JUL	1	100	116	-	-
COD	3N	SEP	2	217	192	-	-
COD	3N	OCT	1	101	89	-	-
COD	3N	DEC	4	400	537	-	-
COD	3O	MAR	2	200	269	-	-
COD	3O	APR	4	401	400	40	45-91
COD	3O	MAY	17	1794	2082	-	-
COD	3O	JUN	5	612	703	-	-
COD	3O	JUL	3	300	389	-	-
COD	3O	AUG	11	1071	1279	50	31-85
COD	3O	SEP	11	1164	1029	50	36-65
COD	3O	NOV	2	200	235	-	-
COD	3O	DEC	4	400	488	-	-
REDFISH (S. mentella)	3L	FEB	2	317	133	-	-
REDFISH (S. mentella)	3L	APR	1	180	28	-	-
REDFISH (S. mentella)	3L	MAY	3	603	170	-	-
REDFISH (S. mentella)	3L	JUN	19	4149	1460	-	-
REDFISH (S. mentella)	3L	JUL	1	200	40	50	20-36
REDFISH (S. mentella)	3L	AUG	1	200	37	50	20-31
REDFISH (S. mentella)	3L	SEP	15	3562	926	50	21-33
REDFISH (S. mentella)	3L	OCT	9	1866	535	-	-
REDFISH (S. mentella)	3L	NOV	1	200	39	50	17-28
REDFISH (S. mentella)	3L	DEC	1	200	51	50	19-33

Tab. V (cont.)

SPECIES	DIV.	MONTH	Nº OF SAMPLES	Nº FISH MEASURED	SAMPLING WEIGHT(Kg)	OTOLITHS	
						Nº	LENGTH RANGE (cm)
REDFISH (<i>S. mentella</i>)	3M	JAN	16	3733	1076	-	-
REDFISH (<i>S. mentella</i>)	3M	FEB	18	2671	1026	-	-
REDFISH (<i>S. mentella</i>)	3M	MAR	3	561	157	50	21-42
REDFISH (<i>S. mentella</i>)	3M	APR	2	330	60	-	-
REDFISH (<i>S. mentella</i>)	3M	MAY	15	2918	914	11	21-38
REDFISH (<i>S. mentella</i>)	3M	JUN	4	532	144	50	20-29
REDFISH (<i>S. mentella</i>)	3M	JUL	10	1865	768	146	18-45
REDFISH (<i>S. mentella</i>)	3M	SEP	6	905	393	-	-
REDFISH (<i>S. mentella</i>)	3M	OCT	5	772	337	-	-
REDFISH (<i>S. mentella</i>)	3N	MAR	1	180	43	-	-
REDFISH (<i>S. mentella</i>)	3N	APR	1	170	24	50	19-30
REDFISH (<i>S. mentella</i>)	3N	MAY	1	169	23	-	-
REDFISH (<i>S. mentella</i>)	3N	JUL	1	200	34	50	20-31
REDFISH (<i>S. mentella</i>)	3N	AUG	2	557	111	-	-
REDFISH (<i>S. mentella</i>)	3N	SEP	3	699	130	-	-
REDFISH (<i>S. mentella</i>)	3N	OCT	1	260	69	-	-
REDFISH (<i>S. mentella</i>)	3N	DEC	1	200	33	-	-
REDFISH (<i>S. mentella</i>)	3O	MAR	1	200	29	-	-
REDFISH (<i>S. mentella</i>)	3O	APR	1	170	30	50	17-27
REDFISH (<i>S. mentella</i>)	3O	MAY	14	2651	612	-	-
REDFISH (<i>S. mentella</i>)	3O	JUN	5	983	132	-	-
REDFISH (<i>S. mentella</i>)	3O	JUL	1	200	27	50	19-24
REDFISH (<i>S. mentella</i>)	3O	AUG	6	1005	104	50	19-29
REDFISH (<i>S. mentella</i>)	3O	SEP	7	1208	138	50	18-29
REDFISH (<i>S. mentella</i>)	3O	NOV	1	200	30	50	19-36
REDFISH (<i>S. mentella</i>)	3O	DEC	1	200	25	50	18-30
REDFISH (<i>S. marinus</i>)	3M	MAR	4	705	437	70	26-47
REDFISH (<i>S. marinus</i>)	3M	APR	4	760	355	-	-
REDFISH (<i>S. marinus</i>)	3M	JUN	3	602	289	-	-
REDFISH (<i>S. marinus</i>)	3M	JUL	4	801	287	7	32-48
REDFISH (<i>S. marinus</i>)	3M	AUG	2	401	170	-	-
AMERICAN PLAICE	3L	MAY	2	262	104	-	-
AMERICAN PLAICE	3L	JUN	15	1419	500	-	-
AMERICAN PLAICE	3L	SEP	12	1257	553	-	-
AMERICAN PLAICE	3L	OCT	9	909	353	-	-
AMERICAN PLAICE	3L	NOV	1	200	160	-	-
AMERICAN PLAICE	3L	DEC	2	361	315	-	-
AMERICAN PLAICE	3M	JAN	14	1172	401	-	-
AMERICAN PLAICE	3M	FEB	14	873	369	-	-
AMERICAN PLAICE	3M	MAR	1	81	39	-	-
AMERICAN PLAICE	3M	MAY	11	851	365	-	-
AMERICAN PLAICE	3M	JUN	2	400	510	-	-
AMERICAN PLAICE	3M	JUL	9	1058	781	50	37-60
AMERICAN PLAICE	3M	AUG	2	400	479	50	30-61
AMERICAN PLAICE	3M	SEP	7	909	565	-	-
AMERICAN PLAICE	3M	OCT	5	590	242	-	-
AMERICAN PLAICE	3M	NOV	2	390	395	10	39-62

Tab. V (cont.)

SPECIES	DIV.	MONTH	Nº OF SAMPLES	Nº FISH MEASURED	SAMPLING WEIGHT(Kg)	OTOLITHS	
						Nº	LENGTH RANGE (cm)
AMERICAN PLAICE	3N	AUG	4	811	927	17	35-60
AMERICAN PLAICE	3N	SEP	2	400	464	50	28-66
AMERICAN PLAICE	3N	OCT	1	165	60	-	-
AMERICAN PLAICE	3N	DEC	4	730	634	-	-
AMERICAN PLAICE	3O	MAY	13	1515	616	-	-
AMERICAN PLAICE	3O	JUN	5	624	231	-	-
AMERICAN PLAICE	3O	AUG	8	963	531	-	-
AMERICAN PLAICE	3O	SEP	8	1043	571	25	36-57
AMERICAN PLAICE	3O	NOV	1	180	151	-	-
AMERICAN PLAICE	3O	DEC	1	190	180	-	-
GREENLAND HALIBUT	3L	FEB	10	2805	2502	-	-
GREENLAND HALIBUT	3L	MAR	2	360	487	-	-
GREENLAND HALIBUT	3L	APR	2	360	499	-	-
GREENLAND HALIBUT	3L	MAY	2	330	499	40	45-60
GREENLAND HALIBUT	3L	JUN	10	2382	2030	-	-
GREENLAND HALIBUT	3L	JUL	2	400	489	25	44-63
GREENLAND HALIBUT	3L	AUG	2	400	412	-	-
GREENLAND HALIBUT	3L	SEP	4	644	716	-	-
GREENLAND HALIBUT	3L	OCT	16	2911	2862	-	-
GREENLAND HALIBUT	3L	NOV	2	400	480	-	-
GREENLAND HALIBUT	3L	DEC	1	200	229	-	-
GREENLAND HALIBUT	3M	FEB	1	232	199	-	-
GREENLAND HALIBUT	3M	MAR	1	180	241	-	-
GREENLAND HALIBUT	3M	APR	1	165	220	25	44-62
GREENLAND HALIBUT	3M	MAY	1	180	267	-	-
GREENLAND HALIBUT	3M	JUN	3	349	370	-	-
GREENLAND HALIBUT	3M	JUL	1	200	216	25	42-57
GREENLAND HALIBUT	3M	AUG	1	200	186	-	-
GREENLAND HALIBUT	3M	OCT	1	195	169	-	-
GREENLAND HALIBUT	3O	DEC	1	180	147	-	-
ROUGHHEAD GRENADIER	3L	FEB	1	163	80	-	-
ROUGHHEAD GRENADIER	3L	APR	1	150	20	-	-
ROUGHHEAD GRENADIER	3L	MAY	1	150	22	-	-
ROUGHHEAD GRENADIER	3L	JUN	1	168	74	-	-
ROUGHHEAD GRENADIER	3L	JUL	1	200	38	-	-
ROUGHHEAD GRENADIER	3L	AUG	1	200	39	-	-
ROUGHHEAD GRENADIER	3L	NOV	1	200	30	-	-
ROUGHHEAD GRENADIER	3M	MAR	1	140	13	-	-
ROUGHHEAD GRENADIER	3M	APR	1	140	17	-	-
ROUGHHEAD GRENADIER	3M	JUN	1	200	34	-	-
ROUGHHEAD GRENADIER	3M	JUL	1	185	26	-	-
ROUGHHEAD GRENADIER	3M	AUG	1	180	36	-	-

Tab. V (cont.)

SPECIES	DIV.	MONTH	Nº OF SAMPLES	Nº FISH MEASURED	SAMPLING WEIGHT(Kg)	OTOLITHS	
						Nº	LENGTH RANGE (cm)
WITCH FLOUNDER	3M	JAN	4	399	116	-	-
WITCH FLOUNDER	3M	FEB	2	155	44	-	-
WITCH FLOUNDER	3M	MAR	1	69	19	-	-
WITCH FLOUNDER	3M	MAY	7	539	177	-	-
WITCH FLOUNDER	3M	JUL	3	310	122	-	-
WITCH FLOUNDER	3M	SEP	4	403	171	-	-
WITCH FLOUNDER	3M	OCT	3	363	126	-	-
WITCH FLOUNDER	3N	MAR	1	160	134	-	-
WITCH FLOUNDER	3N	MAY	1	140	84	-	-
WITCH FLOUNDER	3N	OCT	1	84	31	-	-
WITCH FLOUNDER	3N	DEC	1	200	139	-	-
WITCH FLOUNDER	3O	APR	1	170	105	-	-
WITCH FLOUNDER	3O	MAY	13	1624	611	-	-
WITCH FLOUNDER	3O	JUN	5	602	211	-	-
WITCH FLOUNDER	3O	AUG	7	678	234	-	-
WITCH FLOUNDER	3O	SEP	8	1124	443	-	-
WITCH FLOUNDER	3O	DEC	1	189	142	-	-
WHITE HAKE	3O	MAY	9	629	790	-	-
WHITE HAKE	3O	JUN	2	179	180	-	-
WHITE HAKE	3O	AUG	3	165	165	-	-
WHITE HAKE	3O	SEP	4	328	308	-	-

TABLE VI: Length-weight relationship by species, stock and sex in 2015.

Species	Stock	Sex	a	b	n	r^2	Length interval (cm)
COD	2J3KL	T	0.0141	2.9002	249	0.983	30-96
COD	3M	T	0.0168	2.8577	1100	0.991	29-112
COD	3NO	T	0.0619	2.4934	179	0.932	31-91
GHL	2J3KLMNO	F	0.0032	3.2780	141	0.983	30-62
GHL	2J3KLMNO	M	0.0040	3.2068	122	0.986	31-63
GHL	2J3KLMNO	T	0.0035	3.2541	263	0.989	30-63
PLA	3LNO	F	0.0096	2.9912	116	0.989	19-62
PLA	3LNO	M	0.0061	3.1076	76	0.991	17-66
PLA	3LNO	T	0.0088	3.0115	192	0.990	17-66
PLA	3M	F	0.0032	3.2983	118	0.987	23-61
PLA	3M	M	0.0061	3.1134	92	0.982	24-62
PLA	3M	T	0.0041	3.2185	210	0.989	23-62
REB	3LN	F	0.0114	3.0432	197	0.989	16-40
REB	3LN	M	0.0070	3.1797	201	0.988	17-41
REB	3LN	T	0.0105	3.0664	398	0.989	16-41
REB	3M	F	0.0114	3.0694	153	0.991	18-45
REB	3M	M	0.0061	3.2491	175	0.992	19-44
REB	3M	T	0.0102	3.0992	328	0.995	18-45
REB	3O	F	0.0333	2.6664	148	0.982	17-30
REB	3O	M	0.0039	3.3390	152	0.992	18-36
REB	3O	T	0.0121	2.9919	300	0.984	17-36

TABLE VII: COD, DIV. 3L, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
24	4.9		0.4							4.9	0.3			0.2	24
27	4.9	12.6	6.2			1.5				4.9	7.2	1.3		4.0	27
30	19.9	47.3	42.3			10.0	5.4			19.9	43.1	8.6	5.1	25.1	30
33	46.3	138.7	117.4		3.6	22.0	17.1			46.3	120.7	19.2	16.2	69.4	33
36	84.7	106.2	135.2		18.0	71.5	34.4			84.7	130.7	63.0	32.6	89.5	36
39	321.6	336.3	226.9	14.6	21.7	170.1	183.1			321.6	244.0	148.6	173.5	205.3	39
42	141.2	73.3	89.1	10.0	80.0	154.1	132.8	10.0		141.2	86.6	140.4	126.2	110.2	42
45	208.2	58.0	75.4	42.5	61.7	199.2	136.8	45.3	27.8	208.2	72.7	178.7	131.7	114.9	45
48	82.4	88.1	96.0	76.2	249.4	164.5	153.2	125.1	66.1	82.4	94.8	168.7	150.7	125.9	48
51	49.9	108.9	107.3	320.9	299.0	82.4	99.5	123.2	106.1	49.9	107.6	114.3	100.5	106.4	51
54	30.9	23.0	54.6	230.4	52.8	62.5	168.0	45.3	177.7	30.9	49.7	69.2	164.0	82.3	54
57	5.3	7.7	16.8	43.8	69.2	37.9	25.7	131.7	182.7	5.3	15.3	41.2	32.2	25.5	57
60			15.4	49.2	20.8	5.5	11.8	312.8	248.4		13.0	9.0	26.4	15.1	60
63			0.8	55.4	42.0	6.3	9.6	55.3	88.9		0.7	12.0	12.7	6.3	63
66			4.4	41.7	16.4	3.8	3.2	45.1	58.3		3.7	6.7	5.6	4.8	66
69			0.8	30.0	29.2	5.7	3.2	15.1	33.9		0.7	9.1	4.2	3.5	69
72			4.4	41.7	16.4	0.9	12.8	40.2	10.0		3.7	4.3	13.7	6.3	72
75			3.8	14.6	10.0	0.9	3.2	45.7			3.2	2.4	4.6	3.3	75
78			2.9	10.0	6.4	0.9		5.1			2.5	1.9	0.2	1.7	78
81				10.0								0.5		0.1	81
84					3.6							0.4		0.1	84
87					4.6							0.2		0.05	87
90															90
93															93
96					4.6							0.2		0.05	96
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	2	2	14	2	2	15	9	2	2	2	16	19	13	50	
SAMPLING WEIGHT(kg)	163	204	1478	361	224	1482	774	344	316	163	1681	2067	1434	5345	
No. F.MEASURED	198	261	1706	200	200	1611	890	200	200	198	1967	2011	1290	5466	
MEAN LENGTH(cm)	43.2	41.9	43.8	57.1	53.0	46.4	48.2	59.2	58.8	43.2	43.5	47.6	48.8	45.8	
MEAN WEIGHT (g)	818	766	898	1880	1506	1021	1148	2042	1957	818	878	1107	1193	1009	
DEPTH RANGE (m)	289/537	315/355	255/750	263/290	269/288	276/486	200/337	260/300	320/339	289/537	255/750	263/486	200/339	200/750	

TABLE VIII: COD, DIV. 3M, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
24							0.9							0.4		0.1	24
27	0.1	0.1			1.7		2.5			4.4		0.1	1.1	1.1	4.0	1.1	27
30	3.2	4.2			4.2		15.4		10.4	10.3		2.7	2.7	11.9	9.2	6.5	30
33	22.1	9.5	1.3		12.2	0.5	48.9		29.9	14.4		8.6	8.0	36.2	12.9	18.2	33
36	33.1	22.0	3.8		27.0		94.1		76.2	34.0		17.5	17.5	79.2	30.5	39.6	36
39	97.8	75.8	11.5		108.2	1.1	138.1		222.0	191.5		57.5	70.1	172.4	172.0	111.4	39
42	95.2	79.3	21.8		104.3	6.7	137.7	12.6	115.6	129.3	7.0	62.4	68.2	118.8	116.9	88.6	42
45	145.5	122.9	28.2		79.6	16.7	83.8	22.8	93.0	102.5	15.4	94.6	53.1	84.8	93.7	82.1	45
48	154.2	176.9	13.0		183.1	26.8	111.6	37.7	146.4	124.2	27.4	118.9	121.1	124.8	114.4	120.8	48
51	109.6	161.0	51.7	5.5	223.7	46.8	111.6	37.9	116.6	90.4	23.9	117.0	150.6	109.7	83.7	118.2	51
54	189.4	165.0	55.5	24.8	85.1	64.4	79.1	117.0	58.7	159.0	30.9	132.0	67.5	71.0	146.0	99.1	54
57	64.7	41.4	45.5	26.6	43.9	49.7	17.9	42.5	23.7	23.8	37.9	46.2	40.0	22.3	25.2	34.5	57
60	24.5	28.8	55.9	64.7	24.5	108.7	24.8	46.3	15.2	23.9	72.1	37.2	42.7	21.2	28.8	32.1	60
63	7.4	32.0	154.7	106.7	26.5	141.2	25.6	272.8	17.5	21.4	93.6	69.4	58.0	36.6	28.7	51.4	63
66	14.9	15.0	118.3	146.6	15.1	208.9	25.9	170.9	12.6	9.3	105.7	49.5	67.3	28.0	19.1	42.8	66
69	6.6	10.6	90.0	213.3	12.0	230.3	40.9	81.0	15.6	6.2	193.1	36.5	84.5	30.5	25.1	43.7	69
72	14.6	8.9	133.7	179.8	20.4	51.6	13.6	65.0	19.4	12.5	263.1	51.4	64.6	19.7	38.0	42.2	72
75	10.1	5.5	107.3	84.1	11.1	16.5	10.8	35.4	10.6	22.7	55.3	40.1	30.5	12.2	26.0	27.1	75
78	5.7	6.9	68.4	99.1	8.5	13.0	7.6	18.7	13.4	11.6	30.7	27.3	32.4	11.3	13.6	21.5	78
81	1.3	5.2	17.2	14.9	7.0	9.4	5.0	12.5	1.7	4.4	16.7	8.6	9.3	3.8	5.6	6.8	81
84		9.0	13.5	14.5	0.4	4.6	1.9	1.4	0.7	4.4	14.9	9.2	4.4	1.3	5.4	5.1	84
87		5.8	1.8	5.7	0.9		0.9	1.4	0.1		4.4	3.6	2.0	0.5	0.4	1.9	87
90		5.1	1.9		0.6	3.0	1.1	10.6	0.5		4.4	3.3	0.6	1.4	0.4	1.8	90
93		3.1			5.5	0.3			5.8	0.1			1.6	1.6	0.4	1.0	93
96		1.5	1.3		2.8								1.2	0.7		0.6	96
99		3.5	3.8		2.8				2.5	0.1			3.1	0.7	0.2	1.3	99
102									2.5						0.2	0.1	102
105					2.8								0.7			0.2	105
108											3.5				0.4	0.0	108
111			1.1					2.5				0.6		0.2		0.2	111
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	16	18	5	4	15	4	12	4	10	5	4	39	23	26	9	97	
SAMPLING WEIGHT(kg)	2748	3466	1257	1021	3012	849	2302	969	1813	664	890	7470	4882	5084	1554	18990	
No. F.MEASURED	2256	2196	535	401	2051	401	1547	400	1168	670	400	4987	2853	3115	1070	12025	
MEAN LENGTH(cm)	50.5	52.6	66.6	70.9	51.2	65.1	49.1	64.7	48.2	49.7	68.6	57.0	57.6	49.6	51.6	54.0	
MEAN WEIGHT(g)	1334	1558	2908	3354	1406	2644	1307	2661	1214	1320	3097	1976	2026	1343	1501	1722	
DEPTH RANGE (m)	276/600	257/638	370/488	320/427	179/459	194/286	207/403	191/222	164/343	158/254	192/241	257/638	179/459	164/403	158/254	158/638	

TABLE IX: COD, DIV. 3N, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUL	SEP	OCT	DEC	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR LENGTH GROUP
27					4.7					3.4		0.5 27
30					27.7	39.6				20.4	25.2	7.3 30
33					143.6	39.6				105.7	25.2	19.0 33
36					118.6	9.9	1.8			87.3	6.9	13.2 36
39					341.8	217.8	9.6			251.6	141.9	59.9 39
42				20.0	115.5	99.0	33.4			90.3	75.1	25.8 42
45				210.0	118.8	227.7	93.5			142.9	178.8	51.5 45
48	27.2	10.0	45.0	310.0	92.1	188.1	123.3	27.2	37.6	149.6	164.5	72.3 48
51	65.4	40.0	59.2	20.0	37.3	29.7	212.5	65.4	55.1	32.7	96.4	62.7 51
54	69.1	30.0	287.5	90.0		118.8	220.3	69.1	232.7	23.8	155.8	137.6 54
57	114.4	320.0	249.9	280.0		19.8	103.6	114.4	264.8	73.9	50.3	151.9 57
60	87.4	320.0	66.6	10.0			100.4	87.4	120.6	2.6	36.6	78.7 60
63	197.9	20.0	36.6	20.0		9.9	28.7	197.9	33.1	5.3	16.7	79.4 63
66	259.6	80.0	28.3	10.0			46.5	259.6	39.3	2.6	16.9	101.2 66
69	30.9	110.0	94.2	10.0			18.7	30.9	97.5	2.6	6.8	46.9 69
72	50.0	50.0	14.2	20.0			7.8	50.0	21.8	5.3	2.8	25.2 72
75	50.0	20.0	33.4					50.0	30.5			27.1 75
78	37.2		34.2					37.2	26.9			21.7 78
81	10.9		39.2					10.9	30.9			14.7 81
84			5.8						4.6			1.7 84
87			5.8						4.6			1.7 87
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	2	1	2	1	2	1	4	2	3	3	5	13
SAMPLING WEIGHT(kg)	406	176	183	116	192	89	537	406	358	308	626	1698
No. F.MEASURED	200	100	200	100	217	101	400	200	300	317	501	1318
MEAN LENGTH(cm)	64.5	62.3	61.5	53.2	41.3	46.0	54.9	64.5	61.7	44.4	49.2	58.0
MEAN WEIGHT (g)	2061	1876	1858	1277	682	897	1379	2061	1861	839	1073	1645
DEPTH RANGE (m)	305/492	333/406	260/342	331/340	293/679	363/370	241/408	305/492	260/406	293/679	241/408	241/679

TABLE X-A: COD, DIV. 3O, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUN	JUL	AUG	SEP	NOV	DEC	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
27			2.3	4.8		1.8					3.4	0.6		2.3	27
30			10.3	13.3		13.3					10.9	4.2		8.1	30
33			40.9	61.9		18.8	20.2		2.8		48.3	19.2	1.7	36.2	33
36			38.4	92.6		41.5	34.5		2.8		64.1	35.8	1.7	51.7	36
39			125.5	168.9	19.0	156.4	138.9		21.5		136.8	141.3	13.3	133.4	39
42			108.8	104.7	99.7	147.4	165.9	17.3	127.0		95.9	158.3	85.4	116.7	42
45	39.0	14.4	108.0	80.0	264.8	175.0	201.2	282.6	262.1	39.0	83.6	194.6	269.9	128.0	45
48	24.5	13.7	198.0	193.5	54.1	180.5	183.9	182.3	81.7	24.5	177.5	179.4	119.8	175.1	48
51	135.9	25.1	183.8	173.6	280.8	141.2	169.7	54.6	61.4	135.9	162.7	163.7	58.8	159.6	51
54	177.6	38.5	52.9	26.1	77.3	26.7	37.3	195.4	167.5	177.6	36.9	35.0	178.1	41.8	54
57	281.3	290.1	44.8	15.5	55.7	26.2	10.0	84.2	68.6	281.3	52.9	16.3	74.5	42.7	57
60	44.8	252.7	26.2	11.3	35.9	25.6	18.1	25.4	58.7	44.8	40.2	20.9	46.1	33.7	60
63	30.0	91.7	22.1	10.0	47.7	15.2	8.2	50.0	26.1	30.0	22.3	11.5	35.1	19.0	63
66	51.4	117.9	12.1	6.0	20.0	12.4	3.8	70.0	89.9	51.4	19.1	7.0	82.3	17.1	66
69	126.5	56.7	11.9	5.7	30.3	5.1	4.6	28.1	20.0	126.5	12.9	5.4	23.1	11.6	69
72	34.2	21.2	7.0	10.4	11.7	6.5	3.4	10.0	10.0	34.2	10.2	4.6	10.0	8.4	72
75	30.0	27.1	5.5	11.3	2.9	2.7	0.2			30.0	10.8	1.0		7.2	75
78	24.8	14.0	1.4	6.0		3.1				24.8	5.2	1.0		3.7	78
81		8.4	0.2	4.4							3.2			2.0	81
84		16.3				0.5					1.6	0.2		1.0	84
87		8.2	0.1								0.8			0.5	87
90		4.1									0.4			0.2	90
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	2	4	17	5	3	11	11	2	3	2	26	25	5	58	
SAMPLING WEIGHT(kg)	269	400	2082	703	389	1279	1029	235	356	269	3186	2697	591	6743	
No. F.MEASURED	200	401	1794	612	300	1071	1164	200	300	200	2807	2535	500	6042	
MEAN LENGTH(cm)	60.3	63.1	48.8	46.9	52.2	47.7	47.3	53.8	52.9	60.3	49.2	47.6	53.2	48.9	
MEAN WEIGHT (g)	1760	1957	1061	977	1236	993	961	1326	1283	1760	1103	978	1299	1071	
DEPTH RANGE (m)	295/427	213/355	158/550	121/510	323/386	162/484	165/516	226/272	230/554	295/427	121/550	162/516	226/554	121/554	

TABLE X-B: COD, DIV. 3O, 2015: length composition
(0/000) of the 280mm trawl catches.

LENGTH GROUP	DEC = YEAR	LENGTH GROUP
39	20.0	39
42	160.0	42
45	100.0	45
48	280.0	48
51	130.0	51
54	60.0	54
57	80.0	57
60	30.0	60
63	20.0	63
66	60.0	66
69	50.0	69
72	10.0	72
TOTAL	1000	
No. SAMPLES	1	
SAMPLING WEIGHT(kg)	131	
No. F.MEASURED	100	
MEAN LENGTH(cm)	52.6	
MEAN WEIGHT (g)	1262	
DEPTH RANGE (m)	94/99	

TABLE XI: REDFISH (*S. mentella*), DIV. 3L, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP	
10							0.9	2.0					0.6	1.7	0.6	10	
11			2.2	1.1			3.8	7.6			1.3	2.5	6.4	2.8	11		
12		11.1		2.7			7.9	13.3			2.3	5.2	11.1	5.3	12		
13		27.8	4.6	6.2			12.6	9.4			6.0	8.4	7.9	7.5	13		
14	1.4	22.2	13.6	9.4			12.6	21.3			1.4	10.0	8.4	17.9	10.4	14	
15	1.4	33.3	14.1	14.6			12.4	18.6			1.4	14.6	8.2	15.6	11.3	15	
16	4.6	55.6	16.0	17.3		5.0	18.5	29.6	15.0		4.6	17.1	13.2	25.7	16.4	16	
17	17.4	122.2	11.5	24.3		10.0	16.0	22.6	10.0	5.0	17.4	22.5	12.6	20.1	16.9	17	
18	14.6	122.2	46.0	38.9	10.0	25.0	37.4	41.6	20.0	15.0	14.6	40.0	31.1	37.6	34.8	18	
19	17.9	172.2	59.0	53.2	20.0	45.0	45.4	39.3	40.0	15.0	17.9	54.2	41.8	36.8	44.6	19	
20	25.5	177.8	94.5	89.4	40.0	35.0	86.2	92.6	65.0	15.0	25.5	90.2	69.6	83.1	77.9	20	
21	74.9	16.7	98.3	118.3	75.0	105.0	111.7	119.9	90.0	35.0	74.9	115.3	105.3	109.5	108.9	21	
22	170.4	111.1	179.2	157.3	180.0	155.0	158.1	196.1	140.0	70.0	170.4	160.5	160.6	179.9	163.8	22	
23	185.1	33.3	148.8	132.1	215.0	215.0	152.5	138.4	145.0	90.0	185.1	134.5	173.6	133.9	155.2	23	
24	67.6	16.7	76.2	44.7	160.0	170.0	82.3	38.1	170.0	95.0	67.6	49.3	110.5	51.9	81.9	24	
25	50.5	16.7	18.3	28.1	110.0	130.0	53.9	28.3	115.0	170.0	50.5	26.7	76.7	47.9	56.6	25	
26	23.9	27.8	38.9	30.7	105.0	30.0	29.3	12.9	70.0	195.0	23.9	31.9	40.0	34.8	36.6	26	
27	17.9	16.7	20.8	22.5	30.0	30.0	15.0	17.1	50.0	150.0	17.9	22.2	20.1	32.5	22.8	27	
28	95.0	11.1	38.0	25.7	25.0	25.0	22.6	26.3	35.0	65.0	95.0	27.5	23.4	30.7	26.2	28	
29	35.8	5.6	48.2	31.6	5.0		20.7	20.6	10.0	15.0	35.8	34.1	14.4	19.4	21.3	29	
30	78.5		22.2	42.5	10.0	10.0	36.5	37.8	5.0	15.0	78.5	39.5	27.5	33.5	32.4	30	
31	25.2		11.1	36.2			5.0	25.8	26.2	10.0	20.0	25.2	32.5	18.1	24.6	23.6	31
32	54.8		13.5	24.7	10.0	5.0	11.8	21.1	5.0	10.0	54.8	23.1	10.2	19.0	15.8	32	
33	11.9		9.1	19.0			13.0	10.3	5.0	20.0	11.9	17.6	8.6	10.9	11.8	33	
34	15.2		8.9	7.8			4.3	4.5			15.2	7.9	2.8	3.7	4.6	34	
35	6.0		6.9	7.8			3.4	1.8			6.0	7.7	2.3	1.5	3.8	35	
36	4.6			4.2	5.0		1.3	1.5			4.6	3.6	1.5	1.3	2.1	36	
37				3.4			0.9	0.03				2.9	0.6	0.02	1.2	37	
38				2.9			0.9	1.3				2.5	0.6	1.1	1.3	38	
39				0.4			0.2					0.3	0.1		0.2	39	
40				1.0			1.3	0.03				0.9	0.9	0.02	0.7	40	
41				1.5			0.5	0.01				1.2	0.4	0.01	0.6	41	
42							0.2	0.01					0.1	0.01	0.1	42	
43						0.2						0.2		0.1	43		
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
No. SAMPLES	2	1	3	19	1	1	15	9	1	1	2	23	17	11	53		
SAMPLING WEIGHT(kg)	133	28	170	1460	40	37	926	535	39	51	133	1658	1003	625	3419		
No. F.MEASURED	317	180	603	4149	200	200	3562	1866	200	200	317	4932	3962	2266	11477		
MEAN LENGTH(cm)	25.5	19.8	23.3	23.8	24.1	23.6	23.2	22.7	23.8	25.7	25.5	23.8	23.4	23.1	23.5		
MEAN WEIGHT(g)	231	106	177	197	185	172	178	169	180	227	231	194	178	175	183		
DEPTH RANGE (m)	289/537	781/825	261/886	255/964	260/264	304/343	265/488	200/337	277/312	323/334	289/537	255/964	260/488	200/337	200/964		

TABLE XII: REDFISH (*S. mentella*), DIV. 3M, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	JAN	FEB	MAR	APR	MAY	JUN	JUL	SEP	OCT	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR LENGTH GROUP
11	0.6				0.1		0.0			0.4	0.1	0.0		0.4 11
12	0.4	1.1			2.9		0.0			0.6	2.4	0.0		0.6 12
13	5.0	0.5	3.2	14.1	2.6		0.6		0.5	3.7	4.2	0.5	0.5	3.2 13
14	10.6	6.3	22.2	16.2	8.3		1.0	0.4	2.0	9.5	9.2	1.0	2.0	8.0 14
15	13.8	10.0	6.4	12.1	12.4	3.8	1.3	4.3	3.2	12.6	12.1	1.3	3.2	10.7 15
16	15.7	4.6	13.2	30.3	13.8		2.1	0.8	5.8	12.3	15.8	2.1	5.8	10.8 16
17	22.3	18.9	20.3	32.3	20.5	10.1	5.8	4.0	7.0	21.3	21.9	5.8	7.0	18.7 17
18	28.3	20.5	67.5	60.6	29.1	11.3	8.3	11.2	9.9	26.4	33.2	8.4	9.9	23.7 18
19	45.6	49.4	69.7	163.6	51.8	11.3	16.7	14.1	7.6	47.0	67.1	16.7	7.6	42.7 19
20	82.4	70.8	122.6	208.1	92.0	40.2	25.8	12.4	23.5	79.3	107.6	25.5	23.5	71.4 20
21	121.4	125.9	114.0	129.3	132.2	88.5	72.6	42.9	42.5	122.7	130.5	72.0	42.5	114.5 21
22	176.9	176.2	57.5	56.6	166.7	134.8	171.5	79.9	70.8	175.5	149.6	169.5	70.8	173.3 22
23	168.9	182.4	88.7	50.5	137.5	185.0	133.8	72.8	70.8	172.1	126.1	132.5	70.8	163.6 23
24	63.5	63.0	70.8	64.7	47.8	145.0	177.3	24.7	38.5	63.4	53.1	174.1	38.5	81.4 24
25	30.7	30.8	101.2	30.3	24.6	89.6	136.0	43.9	27.8	31.5	27.4	134.0	27.8	48.3 25
26	20.3	31.0	43.4	36.4	25.9	59.1	83.8	35.4	27.8	23.7	28.4	82.8	27.8	33.7 26
27	24.0	17.7	46.0	26.3	25.6	30.5	42.9	38.6	20.5	22.3	25.8	42.8	20.5	25.8 27
28	21.3	29.8	37.8	30.3	40.2	31.6	25.9	66.8	83.8	24.0	38.5	26.8	83.8	25.1 28
29	22.8	19.5	29.7	14.1	25.7	20.9	27.7	52.2	46.9	21.9	23.8	28.2	46.9	23.0 29
30	33.5	40.1	20.2	16.2	33.0	38.0	16.7	154.5	126.7	35.3	30.7	19.7	126.7	32.6 30
31	31.8	36.1	27.4	4.0	45.3	40.3	19.9	155.4	120.3	33.1	39.1	22.8	120.3	31.7 31
32	19.8	34.5	13.6	4.0	23.0	9.8	12.8	62.4	90.8	24.1	19.9	13.9	90.8	22.3 32
33	19.2	13.4	8.8		11.2	17.8	6.0	32.7	64.2	17.4	9.7	6.6	64.2	15.3 33
34	10.2	12.1	6.0		8.1	1.9	4.6	23.1	16.6	10.7	6.7	5.0	16.6	9.6 34
35	7.3	2.5	3.0		7.2	10.6	1.6	8.2	14.6	5.8	6.2	1.7	14.6	5.2 35
36	2.5	1.8	2.5		5.3	8.7	1.1	8.2	16.8	2.3	4.6	1.2	16.8	2.2 36
37	1.1	0.3			0.4	6.8	1.1	8.2	5.8	0.8	0.5	1.3	5.8	0.9 37
38	0.1	0.4	0.5		1.9	4.4	0.6	12.3	15.1	0.2	1.7	0.8	15.1	0.4 38
39	0.0	0.2					0.4	3.1	10.8	0.1		0.4	10.8	0.1 39
40	0.1	0.2			1.7		1.3	19.6	8.8	0.1	1.4	1.7	8.8	0.4 40
41	0.0	0.1			3.2		0.4	5.5	11.1	0.02	2.6	0.5	11.1	0.2 41
42		0.0	3.9				0.3		2.7	0.04		0.3	2.7	0.1 42
43		0.0					0.2		3.5	0.01		0.1	3.5	0.04 43
44		0.0					0.1	2.4	3.4	0.00		0.1	3.4	0.03 44
45							0.04				0.04		0.01	45
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	16	18	3	2	15	4	10	6	5	37	21	16	5	79
SAMPLING WEIGHT(kg)	1076	1026	157	60	914	144	768	393	337	2259	1117	1161	337	4874
No. F.MEASURED	3733	2671	561	330	2918	532	1865	905	772	6965	3780	2770	772	14287
MEAN LENGTH(cm)	23.6	24.0	23.5	21.6	23.9	25.1	24.7	28.6	28.9	23.8	23.6	24.8	28.9	23.9
MEAN WEIGHT(g)	204	213	201	149	214	238	221	368	385	207	205	224	385	210
DEPTH RANGE (m)	273/625	257/632	365/437	380/445	221/432	220/849	264/406	146/280	158/254	257/632	220/849	146/406	158/254	146/849

TABLE XIII: REDFISH (*S. mentella*), DIV. 3N, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUL	AUG	SEP	OCT	DEC	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
10					1.9	2.2	3.8				1.9	1.9	1.5	10
11					5.4	3.8					2.4	1.9	1.8	11
12	11.1		5.9		12.6	21.5	15.4		11.1	1.1	15.6	7.8	11.5	12
13	11.1	5.9	5.9		9.2	6.1	7.7		11.1	5.9	6.9	3.9	6.5	13
14	16.7	29.4	11.8		14.2	23.9	11.5		16.7	26.1	17.5	5.8	14.5	14
15	44.4	17.6	29.6		18.2	10.0	23.1		44.4	19.9	12.8	11.7	17.3	15
16	27.8	29.4	41.4	5.0	27.4	15.1	11.5	5.0	27.8	31.7	19.7	8.3	18.3	16
17	116.7	17.6	136.1	15.0	21.8	20.6	38.5	10.0	116.7	40.0	20.6	24.4	36.3	17
18	122.2	58.8	201.2	10.0	49.0	35.9	11.5	25.0	122.2	85.6	39.5	18.2	47.8	18
19	133.3	70.6	124.3	25.0	63.2	59.3	34.6	15.0	133.3	80.7	58.1	24.9	59.9	19
20	200.0	70.6	159.8	20.0	111.8	82.4	73.1	20.0	200.0	87.4	90.2	46.8	91.6	20
21	105.6	82.4	53.3	85.0	168.8	128.6	130.8	65.0	105.6	76.9	142.8	98.2	119.0	21
22	66.7	188.2	47.3	165.0	192.9	211.0	211.5	175.0	66.7	161.7	198.9	193.5	176.5	22
23	44.4	182.4	47.3	220.0	134.9	171.8	173.1	200.0	44.4	156.9	159.5	186.4	152.0	23
24	5.6	100.0	17.8	205.0	60.3	74.5	69.2	195.0	5.6	84.5	79.5	131.4	85.7	24
25	11.1	70.6	11.8	120.0	14.5	32.5	38.5	115.0	11.1	59.5	32.0	76.3	44.9	25
26	27.8	35.3	29.6	40.0	19.5	28.7	30.8	80.0	27.8	34.2	25.6	55.1	35.5	26
27	38.9	11.8	35.5	15.0	19.4	22.6	15.4	40.0	38.9	16.2	20.5	27.6	24.8	27
28	5.6	5.9	11.8	25.0	7.2	15.1	7.7	15.0	5.6	7.0	12.4	11.3	10.7	28
29	11.1	17.6	23.7	20.0	16.1	5.3	7.7	10.0	11.1	18.8	11.4	8.8	11.2	29
30		5.9	5.9	15.0	7.0	12.2	30.8	10.0		5.9	10.1	20.5	11.6	30
31				15.0	15.9	5.3	11.5	10.0			10.9	10.8	8.5	31
32					3.6	1.9	23.1	5.0			2.5	14.1	5.5	32
33					3.4	6.8	11.5	5.0			4.7	8.3	4.8	33
34						5.1	3.8				2.4	1.9	1.7	34
35						1.7					0.8		0.4	35
36							1.7				0.8		0.4	36
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	1	1	2	3	1	1	1	2	6	2	11	
SAMPLING WEIGHT(kg)	43	24	23	34	111	130	69	33	43	47	274	102	466	
No. F.MEASURED	180	170	169	200	557	699	260	200	180	339	1456	460	2435	
MEAN LENGTH(cm)	20.2	22.2	20.3	23.9	21.8	22.2	22.7	24.1	20.2	21.8	22.2	23.4	22.3	
MEAN WEIGHT (g)	112	146	115	181	143	151	164	184	112	140	150	174	151	
DEPTH RANGE (m)	283/292	333/406	390/421	340/341	329/680	193/679	363/370	321/327	283/292	333/421	193/680	321/370	193/680	

TABLE XIV: REDFISH (*S. mentella*), DIV. 3O, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUN	JUL	AUG	SEP	NOV	DEC	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR LENGTH GROUP
6						0.5						0.2		0.1 6
7			0.1	2.1		7.9	2.1				0.6	4.7		2.4 7
8			3.1	10.3		11.1	4.2				4.5	7.2		5.1 8
9			2.2	17.3		11.0	10.2				5.3	10.2		6.9 9
10			4.3	9.9		18.8	14.9				5.3	16.2		9.7 10
11	10.0		9.4	21.3		26.1	16.5			10.0	11.5	20.4		14.0 11
12	20.0		18.6	28.8		32.0	23.6			20.0	19.8	26.7		20.2 12
13	35.0	5.9	28.5	48.4		35.7	28.3			35.0	31.6	30.7		26.7 13
14	75.0	17.6	49.3	77.4		50.8	41.5			75.0	53.7	44.4		41.7 14
15	60.0	29.4	79.7	104.1		55.2	56.3			60.0	82.3	53.9		57.3 15
16	115.0	35.3	101.0	136.2	15.0	67.9	67.7	10.0	10.0	115.0	105.1	66.0	10.0	73.3 16
17	100.0	147.1	103.7	125.4	10.0	94.7	59.8	20.0	25.0	100.0	110.7	74.1	24.7	81.4 17
18	180.0	211.8	127.3	99.5	15.0	101.2	120.7	130.0	80.0	180.0	125.8	108.2	82.8	111.5 18
19	165.0	170.6	105.3	74.7	95.0	86.2	102.6	190.0	140.0	165.0	102.1	94.9	142.8	104.5 19
20	90.0	135.3	100.7	79.0	205.0	113.9	151.7	205.0	205.0	90.0	97.9	136.2	205.0	131.0 20
21	75.0	47.1	83.9	56.8	195.0	102.8	112.0	160.0	160.0	75.0	76.1	110.6	160.0	104.1 21
22	30.0	52.9	84.2	45.2	195.0	92.2	100.8	95.0	135.0	30.0	74.2	100.1	132.8	94.6 22
23	15.0	58.8	38.7	13.7	145.0	55.7	34.7	50.0	110.0	15.0	34.4	48.1	106.6	51.0 23
24	10.0	47.1	21.0	9.6	55.0	16.0	22.1	40.0	35.0	10.0	19.9	20.4	35.3	22.3 24
25	10.0	17.6	14.6	12.1	15.0	9.8	11.7	30.0	25.0	10.0	14.2	11.0	25.3	14.2 25
26	10.0	17.6	6.2	14.0	20.0	4.0	9.5	30.0	20.0	10.0	8.5	7.3	20.6	9.6 26
27		5.9	8.2	4.9	25.0	4.7	4.2	20.0	15.0		7.4	5.2	15.3	7.4 27
28			4.6	4.9	10.0		2.8		15.0		4.4	1.8	14.2	4.6 28
29			1.7	2.1		1.8	1.8	15.0	20.0		1.7	1.7	19.7	4.2 29
30			2.3						5.0		1.7		4.7	1.3 30
31			1.2	2.1							1.3		0.5	31
32			0.1								0.1		0.03	32
33			0.1								0.1		0.04	33
34														34
35														35
36								5.0				0.3	0.04	36
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	1	1	14	5	1	6	7	1	1	1	20	14	2	37
SAMPLING WEIGHT(kg)	29	30	612	132	27	104	138	30	25	29	773	269	55	1125
No. F.MEASURED	200	170	2651	983	200	1005	1208	200	200	200	3804	2413	400	6817
MEAN LENGTH(cm)	18.3	19.8	18.9	17.6	22.0	18.4	19.0	21.3	21.7	18.3	18.7	18.8	21.7	19.2
MEAN WEIGHT(g)	76	94	85	71	125	82	87	117	122	76	83	86	122	90
DEPTH RANGE (m)	217/251	214/220	220/486	200/458	370/380	150/435	316/567	311/395	467/488	217/251	200/486	150/567	311/488	150/567

TABLE XV: REDFISH (*S. marinus*), DIV. 3M, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	JUN	JUL	AUG	1st Q.	2nd Q.	3rd Q.	YEAR	LENGTH GROUP
16	1.0	1.9				1.0	0.6		0.1	16
17	1.0	1.9				1.0	0.6		0.1	17
18	1.9	2.5		3.5		1.9	0.8	3.3	2.9	18
19	3.4	17.2	2.0	3.2		3.4	6.9	3.0	3.6	19
20	10.2	16.2	7.9	13.3	4.3	10.2	10.6	12.7	12.3	20
21	13.6	16.5	13.4	10.8	14.3	13.6	14.4	11.0	11.6	21
22	22.9	18.2	35.1	40.7	12.8	22.9	29.7	38.9	36.9	22
23	21.7	37.1	55.2	58.2	48.2	21.7	49.4	57.5	55.0	23
24	32.0	49.3	100.8	66.8	55.0	32.0	84.3	66.0	67.6	24
25	33.6	59.8	122.4	70.9	151.7	33.6	102.3	76.1	78.6	25
26	33.2	63.8	82.8	122.1	134.6	33.2	76.7	122.9	112.5	26
27	67.0	76.6	136.5	157.5	138.8	67.0	117.3	156.3	147.0	27
28	101.0	42.7	60.3	132.2	152.6	101.0	54.7	133.5	120.2	28
29	112.5	77.6	114.6	110.8	92.4	112.5	102.7	109.6	108.6	29
30	136.0	99.3	91.3	102.6	76.1	136.0	93.9	101.0	101.1	30
31	126.5	111.7	84.7	36.9	48.2	126.5	93.4	37.7	49.5	31
32	72.6	82.7	27.2	25.3	46.0	72.6	45.0	26.6	31.1	32
33	50.3	83.4	24.7	18.0	10.0	50.3	43.5	17.5	22.7	33
34	38.5	83.7	17.0	8.1	2.8	38.5	38.4	7.8	13.6	34
35	32.6	20.2	5.0	7.9	7.1	32.6	9.9	7.8	9.0	35
36	17.6	10.6	4.4	3.0		17.6	6.4	2.9	3.9	36
37	26.3	11.0	5.5	3.1	5.0	26.3	7.2	3.2	4.7	37
38	12.6	7.5	4.6	2.7		12.6	5.5	2.6	3.4	38
39	14.5	6.4				14.5	2.1		0.8	39
40	2.3	0.6	1.5			2.3	1.2		0.3	40
41	7.5		3.1	0.6		7.5	2.1	0.5	1.0	41
42	2.3	1.8		0.6		2.3	0.6	0.5	0.6	42
43	3.3			0.6		3.3		0.5	0.6	43
44										44
45										45
46	0.9					0.9			0.03	46
47	0.9					0.9			0.03	47
48				0.6				0.5	0.4	48
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	4	4	3	4	2	4	7	6	17	
SAMPLING WEIGHT(kg)	437	355	289	287	170	437	644	457	1538	
No. F.MEASURED	705	760	602	801	401	705	1362	1202	3269	
MEAN LENGTH(cm)	30.3	29.5	27.9	27.7	27.7	30.3	28.4	27.7	27.9	
MEAN WEIGHT (g)	388	358	294	286	283	388	315	286	294	
DEPTH RANGE (m)	377/443	301/444	200/230	306/335	197/212	377/443	200/444	197/335	197/444	

TABLE XVI: AMERICAN PLAICE, DIV. 3L, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAY	JUN	SEP	OCT	NOV	DEC	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
16	2.3	8.2					7.5			3.0	16
18	15.7	19.8	1.6				19.3	1.6		8.3	18
20	37.8	42.9	5.2	4.0			42.2	5.2	3.6	19.6	20
22	29.4	69.8	12.3	12.3			64.8	12.3	11.1	33.0	22
24	95.7	111.3	24.5	23.1			109.4	24.5	20.8	57.4	24
26	133.3	109.1	47.0	43.5			112.1	47.0	39.2	71.0	26
28	124.1	139.7	70.0	62.9		2.7	137.8	70.0	56.9	93.6	28
30	124.9	155.9	157.6	146.3		24.8	152.1	157.6	132.6	148.7	30
32	113.5	128.3	176.6	211.1		30.6	126.5	176.6	191.2	160.5	32
34	44.9	87.9	130.9	131.3	10.0	58.1	82.6	130.9	120.5	108.8	34
36	76.4	35.0	83.6	79.1	85.0	79.4	40.1	83.6	79.6	65.2	36
38	115.5	30.3	120.5	90.0	170.0	195.7	40.8	120.5	98.3	82.8	38
40	55.1	41.4	102.8	116.5	70.0	247.8	43.1	102.8	115.8	82.4	40
42	26.7	8.7	41.8	43.0	40.0	158.1	10.9	41.8	45.2	30.3	42
44	4.6	7.8	19.6	28.8	220.0	127.1	7.4	19.6	45.5	21.7	44
46		2.3	2.7	2.6	200.0	59.4	2.0	2.7	18.8	6.7	46
48			2.4	2.8	40.0	11.1		2.4	5.8	2.3	48
50		1.5	0.9	2.7	30.0	5.3	1.4	0.9	4.8	2.1	50
52					30.0				2.3	0.6	52
54					30.0				2.3	0.6	54
56					35.0				2.7	0.7	56
58					20.0				1.5	0.4	58
60					15.0				1.1	0.3	60
62					5.0				0.4	0.1	62
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	2	15	12	9	1	2	17	12	12	41	
SAMPLING WEIGHT(kg)	104	500	553	353	160	315	604	553	828	1984	
No. F.MEASURED	262	1419	1257	909	200	361	1681	1257	1470	4408	
MEAN LENGTH(cm)	31.5	30.0	34.6	34.8	45.2	40.7	30.2	34.6	35.7	33.1	
MEAN WEIGHT (g)	320	275	405	413	897	637	281	405	454	369	
DEPTH RANGE (m)	315/355	255/750	265/482	200/337	299/310	338/377	255/750	265/482	200/377	200/750	

TABLE XVII: AMERICAN PLAICE, DIV. 3M, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	JAN	FEB	MAR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
14				1.4								1.1			0.1	14
16																16
18	6.1	5.8		6.5		15.3					5.8	5.2	6.0		4.5	18
20	14.2	14.5		6.8		29.8		2.6	1.6		13.9	5.5	13.0	1.4	9.6	20
22	40.6	33.3		24.0		47.1		5.5	20.1		36.8	19.5	21.3	17.8	22.6	22
24	70.9	53.6	37.0	34.0		129.8		19.8	35.1		64.1	27.6	61.1	31.0	50.9	24
26	76.0	66.3	12.3	51.5		167.6		54.2	46.8		70.7	41.7	93.4	41.3	72.2	26
28	167.6	95.6	111.1	96.8		213.0		56.8	99.6		142.2	78.4	112.6	87.9	107.6	28
30	164.6	124.9	185.2	143.1		137.1	2.7	156.1	215.6		152.4	115.9	133.3	190.2	147.6	30
32	178.4	173.4	172.8	193.7		113.1		100.2	143.7	2.5	176.5	156.9	95.3	127.1	121.8	32
34	155.8	200.7	160.5	171.5		26.1		100.8	108.8	7.7	170.6	138.9	61.4	96.9	94.8	34
36	70.3	75.7	246.9	109.1	1.9	24.8	2.3	104.1	64.4	12.8	78.1	88.8	62.7	58.3	66.9	36
38	35.2	75.7		57.0	11.2	15.3	7.7	79.9	82.0	25.6	47.2	48.3	47.3	75.4	53.9	38
40	11.7	41.3	37.0	66.7	37.3	16.0	24.0	84.8	102.7	33.2	22.2	61.1	51.7	94.5	58.2	40
42	6.7	28.4	24.7	25.8	60.0	6.5	21.8	77.1	42.2	89.4	14.4	32.3	43.8	47.7	39.0	42
44	1.8	8.2	12.3	9.4	62.7	4.3	47.0	63.3	16.2	145.1	4.3	19.6	38.5	31.4	29.5	44
46		2.6			136.6	7.5	114.7	7.8	9.5	161.2	0.9	26.0	18.3	27.3	18.6	46
48			2.6	197.0	13.2	210.8	22.8	3.7	187.7		39.6	37.8	25.3	29.3	48	
50				243.5	13.0	209.8	23.3	8.1	108.7		46.3	37.9	20.0	28.8	50	
52				169.1	6.3	124.5	27.8		72.0		32.2	29.0	8.5	20.1	52	
54				26.5	6.2	96.2	8.8		64.3		5.0	16.5	7.6	10.6	54	
56				22.7	4.8	75.7	2.1		51.3		4.3	10.5	6.0	7.2	56	
58				12.7	1.4	27.7	0.4		15.4		2.4	3.6	1.8	2.5	58	
60				8.8	1.2	25.0	1.7		15.4		1.7	3.8	1.8	2.5	60	
62				10.0	0.5	10.0			7.7		1.9	1.2	0.9	1.0	62	
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	14	14	1	11	2	9	2	7	5	2	29	13	18	7	67	
SAMPLING WEIGHT(kg)	401	369	39	365	510	781	479	565	242	395	810	874	1825	637	4146	
No. F.MEASURED	1172	873	81	851	400	1058	400	909	590	390	2126	1251	2367	980	6724	
MEAN LENGTH(cm)	31.3	32.9	33.8	33.4	49.6	30.3	50.9	37.0	34.1	48.5	31.9	36.5	35.7	35.8	35.2	
MEAN WEIGHT (g)	293	348	369	364	1223	297	1343	534	398	1157	314	527	521	488	482	
DEPTH RANGE (m)	273/600	257/632	444/488	179/432	225/286	264/406	197/230	146/280	146/254	195/227	257/632	179/432	146/406	146/254	146/632	

TABLE XVIII- A: AMERICAN PLAICE, DIV. 3N, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	OCT	DEC	4th Q. = YEAR	LENGTH GROUP
22	24.2		15.9	22
24	18.2		11.9	24
26	24.2	1.2	16.3	26
28	109.1	7.9	74.1	28
30	157.6	17.6	109.2	30
32	212.1	20.6	145.9	32
34	72.7	68.0	71.1	34
36	60.6	69.7	63.7	36
38	127.3	132.0	128.9	38
40	97.0	144.6	113.5	40
42	12.1	144.8	58.0	42
44	66.7	144.6	93.6	44
46	6.1	100.5	38.7	46
48	6.1	62.3	25.5	48
50	6.1	57.5	23.9	50
52		10.3	3.6	52
54		15.2	5.3	54
56		3.0	1.1	56
TOTAL	1000	1000	1000	
No. SAMPLES	1	4	5	
SAMPLING WEIGHT(kg)	60	634	694	
No. F.MEASURED	165	730	895	
MEAN LENGTH(cm)	34.9	42.5	37.5	
MEAN WEIGHT (g)	418	740	530	
DEPTH RANGE (m)	270/329	295/450	270/450	

TABLE XVIII- B: AMERICAN PLAICE, DIV. 3N, 2015: length composition (0/000) of the 280mm trawl catches.

LENGTH GROUP	AUG	SEP	3rd Q. = YEAR	LENGTH GROUP
28		0.7	0.6	28
30		0.7	0.6	30
32		4.3	3.3	32
34	9.5	7.1	7.7	34
36	18.1	7.9	10.1	36
38	99.6	23.6	40.4	38
40	124.0	77.9	88.1	40
42	79.3	93.6	90.4	42
44	91.4	230.0	199.4	44
46	157.3	150.7	152.2	46
48	182.2	164.3	168.2	48
50	75.4	42.1	49.5	50
52	55.5	35.0	39.5	52
54	38.0	52.9	49.6	54
56	27.2	67.9	58.9	56
58	21.1	20.7	20.8	58
60	17.6	17.1	17.2	60
62	3.9	2.9	3.1	62
64				64
66		0.7	0.6	66
TOTAL	1000	1000	1000	
No. SAMPLES	4	2	6	
SAMPLING WEIGHT(kg)	927	464	1391	
No. F.MEASURED	811	400	1211	
MEAN LENGTH(cm)	46.8	47.6	47.4	
MEAN WEIGHT (g)	991	1039	1028	
DEPTH RANGE (m)	43/57	119/140	43/140	

TABLE XIX AMERICAN PLAICE, DIV. 3O, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAY	JUN	AUG	SEP	NOV	DEC	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
16	4.0	4.6					4.2			2.5	16
18	10.0	7.6	0.9	1.0			9.1	0.9		5.7	18
20	19.3	23.5	2.1	3.0			20.9	2.6		13.3	20
22	65.9	20.8	5.7	11.2			48.9	8.8		32.2	22
24	74.5	62.4	24.0	16.9			70.0	20.0		48.9	24
26	97.0	62.1	34.4	39.5			83.8	37.3		63.6	26
28	126.6	130.8	63.8	57.6	16.7	15.8	128.2	60.3	16.0	99.0	28
30	112.0	156.8	128.4	101.1	22.2	52.6	128.9	113.0	44.6	120.2	30
32	112.8	118.0	95.2	144.9	44.4	15.8	114.8	123.2	23.4	115.0	32
34	106.9	123.0	164.5	81.3	61.1	36.8	113.0	117.6	43.3	112.5	34
36	64.9	69.4	94.5	51.0	200.0	105.3	66.6	70.0	130.3	69.9	36
38	88.6	87.9	117.3	76.5	294.4	305.3	88.4	94.3	302.4	97.5	38
40	47.5	82.6	131.0	85.7	183.3	178.9	60.7	105.5	180.1	81.5	40
42	48.3	19.9	59.1	82.0	44.4	73.7	37.6	72.0	66.0	51.5	42
44	11.3	17.9	11.5	79.9	55.6	115.8	13.8	50.1	99.9	30.3	44
46	6.4	4.8	7.8	74.1	11.1	31.6	5.8	45.2	26.2	21.3	46
48	2.5	4.3	11.2	22.7	27.8	21.1	3.1	17.7	22.8	9.3	48
50	0.7	2.9	12.1	17.9	27.8	21.1	1.5	15.4	22.8	7.4	50
52	0.7		20.8	21.9	11.1	15.8	0.4	21.4	14.6	8.8	52
54		0.5	4.4	5.0		10.5	0.2	4.7	7.7	2.1	54
56			4.4	10.0				7.5		2.8	56
58			3.5	6.7				5.3		2.0	58
60			3.5	6.7				5.3		2.0	60
62				3.3				1.9		0.7	62
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	13	5	8	8	1	1	18	16	2	36	
SAMPLING WEIGHT(kg)	616	231	531	571	151	180	847	1102	331	2280	
No. F.MEASURED	1515	624	963	1043	180	190	2139	2006	370	4515	
MEAN LENGTH(cm)	32.2	32.9	36.5	38.3	39.5	40.4	32.5	37.5	40.2	34.6	
MEAN WEIGHT(g)	340	360	491	585	586	633	348	544	621	430	
DEPTH RANGE (m)	158/550	121/458	128/484	145/438	230/250	410/480	121/550	128/484	230/480	121/550	

TABLE XX: GREENLAND HALIBUT, DIV. 3L, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
18	1.0											0.9				0.3	18
20	2.7											2.5				0.8	20
22	4.4				1.5				0.7			4.1	1.3		0.6	1.9	22
24	7.7				6.5			3.3	2.2			7.1	5.5	1.2	1.8	4.7	24
26	15.9				7.9			3.3	7.3			14.8	6.7	1.2	5.9	8.7	26
28	28.3				21.7			3.3	12.7			26.2	18.5	1.2	10.2	17.3	28
30	34.7	1.2			31.7			15.1	21.0			32.2	27.1	5.4	16.9	24.2	30
32	32.4				42.3			17.3	33.3			30.0	36.1	6.3	26.8	28.9	32
34	50.5	7.5	3.9		45.1			22.8	34.5	5.2		47.3	38.8	8.2	28.7	36.3	34
36	47.5	15.0	19.3	3.3	60.3		2.5	29.3	44.5	12.9		45.1	53.2	11.2	38.1	42.7	36
38	58.0	31.7	26.1	6.5	87.9	2.3	7.5	27.2	72.2	10.0	10.0	56.0	77.5	12.5	60.0	59.8	38
40	117.3	38.5	34.2	22.3	129.9	12.3	25.0	82.5	143.5	35.5	10.0	111.4	115.0	40.7	122.0	108.8	40
42	101.8	56.4	50.9	33.5	157.2	44.7	47.5	63.6	83.6	38.8	40.0	98.4	140.4	52.2	74.9	101.1	42
44	151.6	53.7	59.4	122.8	111.6	54.2	90.0	105.6	109.2	94.3	130.0	144.3	107.9	81.4	106.8	117.5	44
46	92.5	47.1	102.9	222.8	47.3	60.0	222.5	55.7	60.5	83.4	115.0	89.1	63.2	97.5	65.5	75.7	46
48	71.7	186.9	171.5	128.4	57.8	141.0	275.0	154.6	72.9	119.3	210.0	80.3	71.8	178.1	83.4	87.4	48
50	65.6	235.2	248.3	147.9	90.9	188.6	75.0	217.3	123.3	127.9	175.0	78.3	107.6	171.7	124.9	108.1	50
52	39.4	183.6	127.6	159.5	34.9	280.5	57.5	63.8	38.3	202.4	95.0	50.1	50.6	148.6	68.8	64.1	52
54	17.7	21.7	67.9	87.0	21.4	130.3	62.5	43.5	49.2	180.7	90.0	17.9	29.5	82.6	73.6	41.9	54
56	16.4	59.2	47.9	33.0	11.0	34.5	72.5	43.1	29.2	34.8	55.0	19.6	15.5	46.7	30.6	23.7	56
58	22.2	33.9	24.8	20.9	22.9	12.3	15.0	27.0	30.2	17.6	20.0	23.1	22.9	18.3	27.8	23.8	58
60	11.1	19.7	15.4	12.1	8.4	32.3	22.5	11.3	18.0	20.0	40.0	11.8	9.3	22.3	18.7	13.8	60
62	6.5	8.6			1.5	7.3	20.0	7.3	10.9	17.4	10.0	6.7	1.3	10.3	12.0	6.7	62
64	2.0				0.5		5.0	3.3	2.0			1.8	0.4	2.4	1.6	1.4	64
66	1.2								0.6			1.1		0.5	0.5	0.5	66
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	10	2	2	2	10	2	2	4	16	2	1	12	14	8	19	53	
SAMPLING WEIGHT(kg)	2502	487	499	499	2030	489	412	716	2862	480	229	2989	3028	1617	3570	11204	
No. F.MEASURED	2805	360	360	330	2382	400	400	644	2911	400	200	3165	3072	1444	3511	11192	
MEAN LENGTH(cm)	43.4	49.9	49.7	49.7	43.1	51.4	49.7	47.6	45.3	50.7	50.4	43.9	44.1	49.6	46.4	45.1	
MEAN WEIGHT(g)	820	1199	1173	1163	793	1300	1180	1062	935	1258	1224	848	848	1185	998	918	
DEPTH RANGE (m)	873/1315	975/1077	988/1171	750/917	845/1243	886/988	892/973	862/1186	752/1450	805/912	874/900	873/1315	750/1243	862/1186	752/1450	750/1450	

TABLE XXI: GREENLAND HALIBUT, DIV. 3M, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	MAY	JUN	JUL	AUG	OCT	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
24	4.3								2.6				0.6	24
26	4.3								10.3	2.6			10.3	1.1
28	17.2				2.0				15.4	10.2	0.5		15.4	3.2
30	47.4				11.6				41.0	28.1	2.7		41.0	9.1
32	73.3	6.1			24.7				5.1	43.5	10.2		5.1	13.1
34	43.1		12.1		11.6				20.5	25.6	11.7		20.5	10.4
36	142.2		12.1		34.9			5.0	66.7	84.4	17.1	1.9	66.7	28.2
38	64.7	27.8	54.5		44.7			5.0	82.1	49.7	50.8	1.9	82.1	32.4
40	159.5	44.4	36.4	38.9	114.9	5.0	40.0	128.2	112.7	54.6	18.2	128.2	56.3	40
42	185.3	27.8	66.7	44.4	61.9	25.0	150.0	87.2	121.2	65.0	72.2	87.2	81.4	42
44	51.7	27.8	54.5	50.0	53.9	20.0	85.0	133.3	42.0	54.3	44.6	133.3	51.6	44
46	51.7	55.6	181.8	38.9	75.6	100.0	70.0	102.6	53.3	153.3	88.7	102.6	102.7	46
48	51.7	22.2	181.8	33.3	131.7	130.0	115.0	71.8	39.7	166.2	124.3	71.8	116.8	48
50	34.5	33.3	169.7	133.3	198.8	265.0	300.0	107.7	34.0	175.4	278.2	107.7	182.5	50
52	8.6	122.2	72.7	350.0	88.9	300.0	85.0	46.2	54.8	84.0	218.7	46.2	130.1	52
54	30.2	311.1	48.5	233.3	55.4	55.0	55.0	20.5	144.5	55.1	55.0	20.5	72.9	54
56	12.9	233.3	36.4	33.3	49.0	25.0	40.0	15.4	102.6	39.2	30.7	15.4	48.5	56
58	8.6	33.3	24.2	27.8	18.0	15.0	25.0	35.9	18.7	22.9	18.8	35.9	21.0	58
60	8.6	33.3	30.3	11.1	18.1	35.0	10.0	5.1	18.7	27.0	25.6	5.1	23.5	60
62		16.7	12.1	5.6	4.2	20.0	10.0	5.1	6.8	10.1	16.2	5.1	11.6	62
64		11.1				5.0	5.0		4.5		5.0		3.0	64
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	1	1	1	1	3	1	1	1	2	5	2	1	10	
SAMPLING WEIGHT(kg)	199	241	220	267	370	216	186	169	440	857	402	169	1868	
No. F.MEASURED	232	180	165	180	349	200	200	195	412	694	400	195	1701	
MEAN LENGTH(cm)	41.4	53.4	48.8	52.0	47.6	51.7	49.4	44.6	46.3	48.6	50.8	44.6	48.8	
MEAN WEIGHT (g)	689	1488	1121	1345	1059	1320	1152	876	1014	1112	1257	876	1137	
DEPTH RANGE (m)	708/717	1011/1145	922/937	819/988	717/849	770/995	984/1113	833/952	708/1145	717/988	770/1113	833/952	708/1145	

TABLE XXII: GREENLAND HALIBUT, DIV. 3O, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	DEC = YEAR	LENGTH GROUP
28	11.1	28
30	50.0	30
32	94.4	32
34	177.8	34
36	244.4	36
38	211.1	38
40	116.7	40
42	55.6	42
44	33.3	44
46	5.6	46
TOTAL	1000	
No. SAMPLES	1	
SAMPLING WEIGHT(kg)	147	
No. F.MEASURED	180	
MEAN LENGTH(cm)	37.4	
MEAN WEIGHT (g)	466	
DEPTH RANGE (m)	467/530	

TABLE XXIII: WITCH FLOUNDER, DIV. 3M, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	JAN	FEB	MAR	MAY	JUL	SEP	OCT	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR LENGTH GROUP
18	1.6							1.0				0.4 18
20	6.9	16.4		2.6				10.1	2.6			4.3 20
22	21.6	63.8		14.8	13.0	3.5	15.2	36.2	14.8	8.9	15.2	21.2 22
24	31.6	85.1	14.5	27.0	16.0	18.0	17.6	50.3	27.0	16.9	17.6	31.3 24
26	115.8	45.9	14.5	43.6	51.4	18.8	41.5	89.2	43.6	37.1	41.5	58.7 26
28	91.9	188.5	29.0	75.0	93.4	58.8	29.0	125.0	75.0	78.3	29.0	87.5 28
30	148.6	83.2	72.5	161.9	177.3	85.5	133.3	124.1	161.9	137.1	133.3	135.5 30
32	248.4	191.5	188.4	136.5	313.1	136.4	155.3	227.1	136.5	235.7	155.3	203.5 32
34	176.5	124.8	246.4	161.6	137.4	222.2	175.6	159.4	161.6	174.5	175.6	166.9 34
36	72.3	61.4	318.8	79.5	114.4	111.8	60.0	72.8	79.5	113.3	60.0	83.8 36
38	44.0	95.3	14.5	138.1	22.3	167.6	98.1	61.6	138.1	85.9	98.1	87.0 38
40	35.7	26.1	72.5	101.8	39.5	61.8	159.6	33.0	101.8	49.3	159.6	69.5 40
42	4.0	8.2		29.9	16.0	48.1	47.0	5.4	29.9	30.0	47.0	23.4 42
44	1.2	4.8	14.5	11.5	2.9	26.3	38.5	2.7	11.5	13.2	38.5	13.1 44
46				5.2		15.5			5.2	6.8		2.9 46
48		4.8	14.5	8.6	3.4	10.5	10.2	2.0	8.6	6.5	10.2	5.7 48
50				2.5		6.4	14.4			2.5	2.8	14.4 3.6 50
52						6.4	2.4			2.8	2.4	1.2 52
54						2.2	2.4			1.0	2.4	0.7 54
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	4	2	1	7	3	4	3	7	7	7	3	24
SAMPLING WEIGHT(kg)	116	44	19	177	122	171	126	179	177	293	126	774
No. F.MEASURED	399	155	69	539	310	403	363	623	539	713	363	2238
MEAN LENGTH(cm)	32.3	31.8	35.4	34.7	33.1	36.2	36.0	32.2	34.7	34.5	36.0	33.9
MEAN WEIGHT (g)	398	389	491	477	420	526	523	396	477	466	523	451
DEPTH RANGE (m)	553/590	419/638	365/378	211/356	269/392	159/214	146/254	365/638	211/356	159/392	146/254	146/638

TABLE XXIV: WITCH FLOUNDER, DIV. 3N, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	MAY	OCT	DEC	1st Q.	2nd Q.	4th Q.	YEAR	LENGTH GROUP
20			11.9				7.1	4.2	20
22			11.9				7.1	4.2	22
24			23.8				14.2	8.4	24
26			83.3				49.8	29.5	26
28			59.5	25.0			45.6	27.0	28
30			154.8	90.0			128.7	76.3	30
32		35.7	119.0	150.0		35.7	131.5	82.8	32
34		85.7	178.6	245.0		85.7	205.3	133.3	34
36		171.4	47.6	240.0		171.4	125.1	97.3	36
38	18.8	300.0	107.1	75.0	18.8	300.0	94.2	101.4	38
40	18.8	142.9	71.4	75.0	18.8	142.9	72.9	67.6	40
42	18.8	85.7	23.8	50.0	18.8	85.7	34.4	37.0	42
44	181.3	42.9	71.4	20.0	181.3	42.9	50.7	85.2	44
46	143.8	28.6		20.0	143.8	28.6	8.1	47.8	46
48	37.5	57.1	11.9	10.0	37.5	57.1	11.1	24.5	48
50	262.5	50.0	11.9		262.5	50.0	7.1	82.4	50
52	143.8		11.9		143.8		7.1	43.4	52
54	56.3				56.3			15.3	54
56	18.8				18.8			5.1	56
58	56.3				56.3			15.3	58
60	31.3				31.3			8.5	60
62	12.5				12.5			3.4	62
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	1	1	1	1	1	1	2	4	
SAMPLING WEIGHT(kg)	134	84	31	139	134	84	170	388	
No. F.MEASURED	160	140	84	200	160	140	284	584	
MEAN LENGTH(cm)	50.2	40.4	35.0	36.4	50.2	40.4	35.6	40.2	
MEAN WEIGHT (g)	1112	455	283	296	1112	455	288	535	
DEPTH RANGE (m)	297/303	307/332	270/329	220/235	297/303	307/332	220/329	220/332	

TABLE XXV: WITCH FLOUNDER, DIV. 3O, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	APR	MAY	JUN	AUG	SEP	DEC	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
16		1.1			0.8		0.8	0.6		0.7	16
18		5.4	0.8		0.8		4.0	0.6		2.6	18
20		19.0	5.5	8.3	4.7		14.8	5.9		10.8	20
22		39.2	21.9	10.6	10.7		32.7	10.7		23.1	22
24		39.0	34.1	32.1	13.3		35.1	19.3		27.7	24
26		85.3	35.4	34.4	40.0		68.7	38.2		54.3	26
28		107.3	77.9	104.8	64.6	10.6	93.3	77.4	10.6	83.5	28
30		112.9	161.9	124.8	94.7	52.9	114.6	104.3	52.9	107.9	30
32	41.2	106.4	144.2	160.5	150.8	89.9	109.3	153.9	89.9	124.4	32
34	41.2	131.9	169.0	128.7	145.7	137.6	132.8	140.3	137.6	135.7	34
36	29.4	103.5	114.1	115.1	94.3	238.1	100.2	100.9	238.1	107.2	36
38	164.7	118.4	88.1	60.2	118.3	142.9	115.6	99.8	142.9	111.2	38
40	364.7	65.9	84.6	139.6	105.3	216.9	91.9	116.2	216.9	106.8	40
42	129.4	34.2	24.4	41.0	63.2	79.4	39.2	56.2	79.4	47.3	42
44	35.3	15.2	10.9	17.4	47.8	21.2	15.8	38.1	21.2	24.1	44
46	23.5	4.1	16.7	8.0	8.5	10.6	8.1	8.4	10.6	8.3	46
48	17.6	6.9	6.8	5.6	10.5		7.7	8.9		7.7	48
50	41.2	1.7	3.8	3.0	12.0		5.1	9.1		6.3	50
52	23.5	1.1		3.2	8.4		2.6	6.8		4.0	52
54	11.8	1.7		1.4	2.6		2.1	2.2		2.0	54
56	17.6			1.1	2.8		1.3	2.3		1.6	56
58	23.5							1.7		1.0	58
60	35.3						2.6			1.5	60
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	1	13	5	7	8	1	19	15	1	35	
SAMPLING WEIGHT(kg)	105	611	211	234	443	142	926	678	142	1746	
No. F.MEASURED	170	1624	602	678	1124	189	2396	1802	189	4387	
MEAN LENGTH(cm)	42.9	33.5	34.4	34.9	36.2	37.9	34.4	35.8	37.9	35.1	
MEAN WEIGHT (g)	631	236	250	268	318	340	268	302	340	284	
DEPTH RANGE (m)	239/271	239/471	207/510	150/439	136/567	490/522	207/510	136/567	490/522	136/567	

TABLE XXVI: ROUGHHEAD GRENADIER, DIV. 3L, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	APR	MAY	JUN	JUL	AUG	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
7		33.3	13.3				15.0		3.4		15.0	4.3	7
8	12.3	53.3	86.7	6.0	5.0		40.0	12.3	11.8	3.1	40.0	15.6	8
9	42.9	73.3	126.7	29.8	45.0	45.0	145.0	42.9	35.5	45.0	145.0	55.8	9
10	30.7	173.3	220.0	17.9	95.0	30.0	340.0	30.7	35.9	70.6	340.0	88.6	10
11	147.2	320.0	386.7	196.4	270.0	180.0	285.0	147.2	211.3	236.2	285.0	214.5	11
12	337.4	226.7	113.3	363.1	310.0	255.0	115.0	337.4	346.0	289.4	115.0	300.6	12
13	147.2	86.7	33.3	190.5	130.0	265.0	20.0	147.2	178.1	180.6	20.0	146.8	13
14	79.8	26.7	20.0	29.8	65.0	155.0	30.0	79.8	29.3	98.8	30.0	45.8	14
15	61.3	6.7		59.5	45.0	45.0	10.0	61.3	53.5	45.0	10.0	46.9	15
16	36.8			23.8	20.0	10.0		36.8	21.2	16.2		20.0	16
17	24.5			17.9	10.0	15.0		24.5	15.9	11.9		14.4	17
18	6.1			17.9	5.0			6.1	15.9	3.1		10.2	18
19	24.5			6.0				24.5	5.3			7.3	19
20	6.1							6.1				1.1	20
21	6.1			6.0				6.1	5.3			4.0	21
22				17.9					15.9			8.7	22
23	12.3			6.0				12.3	5.3			5.1	23
24	12.3							12.3				2.2	24
25				6.0					5.3			2.9	25
26	6.1			6.0				6.1	5.3			4.0	26
27	6.1							6.1				1.1	27
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	1	1	1	1	1	1	3	2	1	7	
SAMPLING WEIGHT(kg)	80	20	22	74	38	39	30	80	116	76	30	302	
No. F.MEASURED	163	150	150	168	200	200	200	163	468	400	200	1231	
MEAN LENGTH(cm)	13.6	11.4	11.0	13.4	12.4	13.0	11.0	13.6	13.1	12.6	11.0	12.8	
MEAN WEIGHT (g)	268	146	130	246	187	207	130	268	235	194	130	219	
DEPTH RANGE (m)	1160/1196	974/1190	995/1156	1069/1180	837/885	883/1002	888/898	1160/1196	974/1190	837/1002	888/898	837/1196	

TABLE XXVII: ROUGHHEAD GRENADIER, DIV. 3M, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	JUN	JUL	AUG	1st Q.	2nd Q.	3rd Q.	YEAR	LENGTH GROUP
6	21.4	14.3				21.4	12.6		6.9	6
7	28.6	85.7				28.6	75.9		30.2	7
8	142.9	185.7				142.9	164.4		74.7	8
9	164.3	385.7	20.0			164.3	343.8		140.8	9
10	378.6	142.9	50.0		11.1	378.6	132.2	6.1	93.4	10
11	157.1	50.0	210.0	10.8	94.4	157.1	68.3	56.4	72.1	11
12	64.3	71.4	310.0	91.9	116.7	64.3	98.8	105.4	98.3	12
13	28.6	35.7	165.0	173.0	116.7	28.6	50.5	142.3	96.7	13
14	14.3	21.4	90.0	189.2	166.7	14.3	29.3	176.9	105.9	14
15		7.1	25.0	156.8	188.9		9.2	174.3	95.7	15
16			20.0	183.8	61.1		2.3	117.0	62.9	16
17			25.0	97.3	144.4		2.9	123.0	66.3	17
18			35.0	10.8	44.4		4.0	29.1	16.9	18
19			35.0	21.6	38.9		4.0	31.0	17.9	19
20			5.0	21.6	11.1		0.6	15.9	8.6	20
21			10.0	27.0	5.6		1.1	15.3	8.5	21
22				10.8				4.9	2.6	22
23				5.4				2.5	1.3	23
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No. SAMPLES	1	1	1	1	1	1	2	2	5	
SAMPLING WEIGHT(kg)	13	17	34	26	36	13	50	61	124	
No. F.MEASURED	140	140	200	185	180	140	340	365	845	
MEAN LENGTH(cm)	10.3	9.9	13.3	15.5	15.0	10.3	10.2	15.3	12.9	
MEAN WEIGHT (g)	111	101	236	353	324	111	116	337	233	
DEPTH RANGE (m)	1002/1109	1005/1105	722/754	1005/1177	951/989	1002/1109	722/1105	951/1177	722/1177	

TABLE XIII: REDFISH (*S. mentella*), DIV. 3N, 2014: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	JUN	AUG	SEP	1st Q.	2nd Q.	3rd Q.	YEAR	LENGTH GROUP
11					4.1			3.7	3.1	11
12					3.2			3.0	2.5	12
13			4.7		9.9		2.9	9.1	8.0	13
14			9.4	9.5	16.5		5.7	15.9	14.1	14
15			18.8	9.5	18.0		11.4	17.3	16.0	15
16			9.4	28.6	19.9		5.7	20.6	18.0	16
17			28.2	38.1	32.3		17.1	32.8	29.7	17
18			14.1	71.4	32.9		8.6	36.0	31.3	18
19			32.9	109.5	60.3		20.0	64.2	56.4	19
20	350.0		122.1	185.7	88.6	350.0	74.2	96.4	100.2	20
21	240.0	120.0	122.1	166.7	112.2	240.0	121.3	116.6	120.6	21
22	100.0	260.0	230.0	109.5	147.0	100.0	241.8	143.9	156.2	22
23	170.0	290.0	150.2	38.1	146.1	170.0	205.0	137.4	147.6	23
24	70.0	160.0	65.7	52.4	61.9	70.0	102.7	61.1	67.1	24
25	30.0	120.0	28.2	23.8	38.4	30.0	64.2	37.2	40.7	25
26	10.0	20.0	32.9	23.8	25.7	10.0	27.8	25.5	25.4	26
27	20.0	10.0	42.3	28.6	17.0	20.0	29.6	17.9	19.6	27
28	10.0	10.0	18.8	33.3	27.7	10.0	15.3	28.1	25.9	28
29			18.8	33.3	34.1		11.4	34.1	30.0	29
30		10.0	14.1	19.0	21.9		12.5	21.7	19.8	30
31			23.5	9.5	33.1		14.3	31.2	28.0	31
32			4.7	4.8	12.6		2.9	11.9	10.4	32
33			9.4	4.8	15.6		5.7	14.7	13.1	33
34					6.3			5.8	4.8	34
35					9.8			9.0	7.5	35
36					3.7			3.4	2.8	36
37					0.9			0.8	0.7	37
38					0.6			0.6	0.5	38
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	1	1	7	1	2	8	11	
SAMPLING WEIGHT(kg)	13	19	46	47	473	13	65	520	598	
No. F.MEASURED	100	100	213	210	1721	100	313	1931	2344	
MEAN LENGTH(cm)	22.2	23.6	23.0	22.1	23.2	22.2	23.2	23.1	23.1	
MEAN WEIGHT (g)	142	167	161	148	171	142	163	169	167	
DEPTH RANGE (m)	320/522	310/325	331/356	466/500	275/590	320/522	310/356	275/590	275/590	

TABLE XXVIII: WHITE HAKE, DIV. 3O, 2015: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAY	JUN	AUG	SEP	2nd Q.	3rd Q.	YEAR	LENGTH GROUP
27	1.7				1.1		0.8	27
28				2.0		1.0	0.3	28
29				2.0		1.0	0.3	29
30	1.7	8.2			3.9		2.7	30
31	5.8	8.2			6.6		4.6	31
32	22.6				15.0		10.4	32
33	3.4		9.9	2.0	2.2	5.9	3.3	33
34	4.2	32.1	5.0	2.0	13.6	3.5	10.5	34
35	6.2	8.2		9.2	6.9	4.7	6.2	35
36	4.4	4.1	2.5	9.2	4.3	5.9	4.8	36
37	28.6	31.4	4.9		29.5	2.4	21.3	37
38	17.5	60.2	7.4	14.2	31.9	10.9	25.5	38
39	23.6	20.6		10.6	22.6	5.4	17.3	39
40	10.3	52.1	19.6	21.5	24.4	20.5	23.2	40
41	22.9	14.9	36.8	47.0	20.2	42.0	26.8	41
42	26.4	43.7	155.5	9.6	32.2	81.5	47.2	42
43	30.2	57.8	36.5	36.7	39.5	36.6	38.6	43
44	33.3	134.7	51.4	30.8	67.4	40.9	59.4	44
45	34.3	176.8	80.6	54.7	82.3	67.4	77.8	45
46	50.1	104.9	34.3	25.7	68.6	29.9	56.8	46
47	59.4	23.1	49.2	54.3	47.2	51.8	48.6	47
48	37.2		72.8	31.0	24.7	51.6	32.8	48
49	36.2	4.1	121.3	118.6	25.4	119.9	54.1	49
50	76.2	47.8	121.6	75.7	66.6	98.3	76.2	50
51	75.5	52.1	30.0	40.1	67.6	35.1	57.8	51
52	108.5	14.9	41.3	126.9	77.0	84.7	79.3	52
53	47.9		17.1	56.1	31.8	36.9	33.3	53
54	44.0	15.7	9.8	54.0	34.5	32.2	33.8	54
55	84.7	45.5	31.6	73.5	71.5	52.8	65.8	55
56	26.8		24.2	38.3	17.8	31.3	21.9	56
57	22.7	4.1		9.2	16.5	4.7	12.9	57
58	16.5	7.4	12.4	10.2	13.5	11.3	12.8	58
59	6.7	14.9	12.1	3.6	9.4	7.8	8.9	59
60	7.0	8.2	7.4	3.1	7.4	5.2	6.7	60
61	4.2			9.4	2.8	4.8	3.4	61
62	5.2			14.0	3.4	7.1	4.5	62
63	4.9		2.5		3.3	1.2	2.7	63
64	4.3	4.1	2.5	4.6	4.3	3.6	4.1	64
65	2.1				1.4		1.0	65
66								66
67	0.9				0.6		0.4	67
68								68
69	2.0				1.3		0.9	69
TOTAL	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	9	2	3	4	11	7	18	
SAMPLING WEIGHT(kg)	790	180	165	308	969	473	1442	
No. F.MEASURED	629	179	165	328	808	493	1301	
MEAN LENGTH(cm)	49.1	45.3	47.6	49.7	47.8	48.7	48.1	
MEAN WEIGHT (g)	1019	790	907	1040	942	975	952	
DEPTH RANGE (m)	234/509	224/458	162/435	165/411	224/509	162/435	162/509	

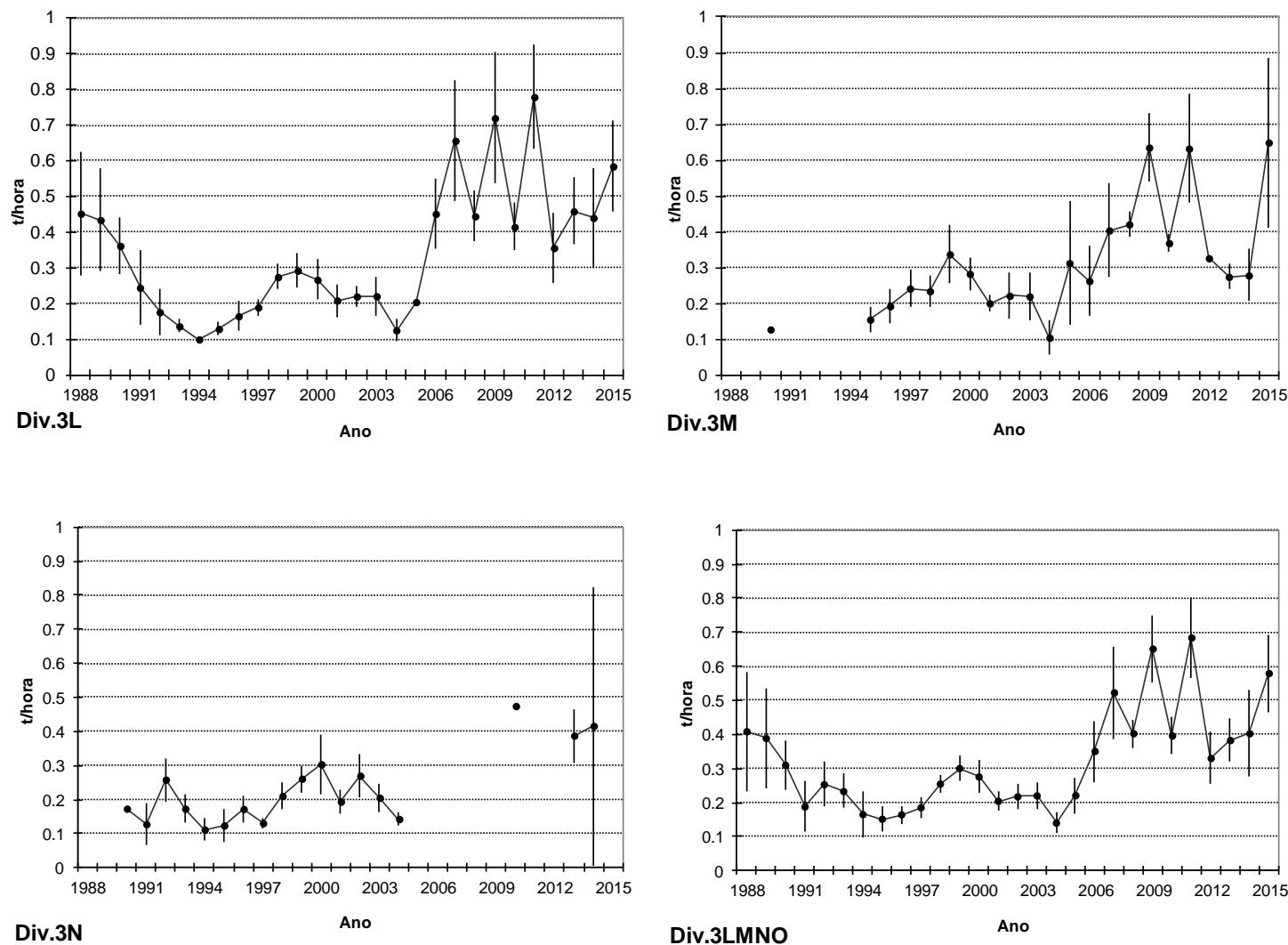


Fig. 1: Greenland halibut trawl catch rates by division, 1988 - 2015.

Fig. 2 - Annual length composition of Cod on Division 3L 130mm trawl fishery in 2015

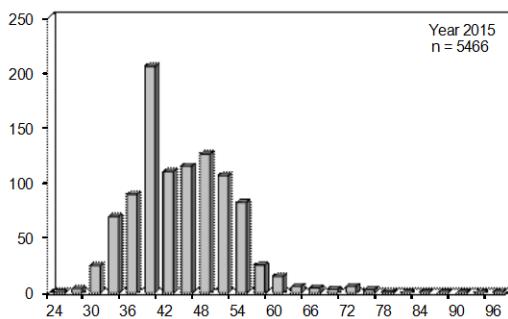


Fig. 3 - Annual length composition of Cod on Division 3M 130mm trawl fishery in 2015

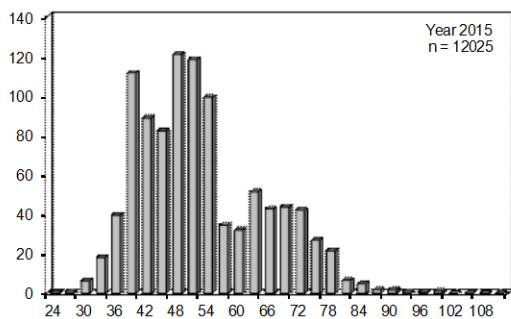


Fig. 4 - Annual length composition of Cod on Division 3N 130mm trawl fishery in 2015

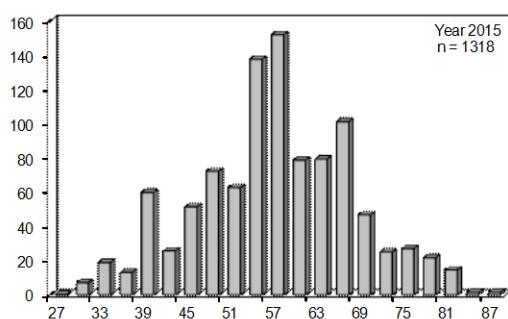


Fig. 5a - Annual length composition of Cod on Division 3O 130mm trawl fishery in 2015

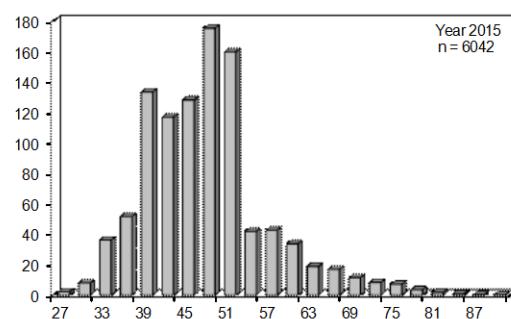


Fig. 5b - Annual length composition of Cod on Division 3O 280mm trawl fishery in 2015

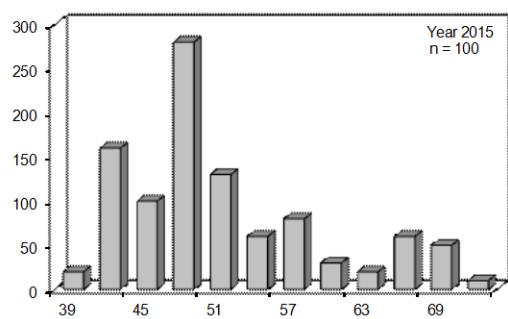


Fig. 6 - Annual length composition of redfish (*Sebastodes mentella*) on Division 3L 130mm trawl fishery in 2015

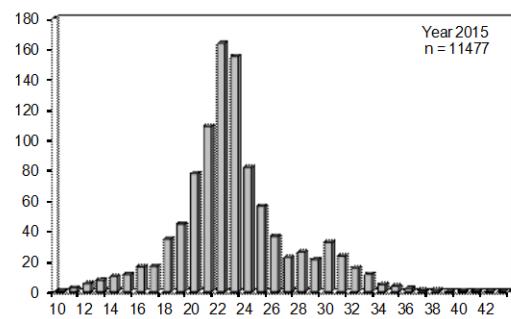


Fig. 7 - Annual length composition of redfish (*Sebastodes mentella*) on Division 3M 130mm trawl fishery in 2015

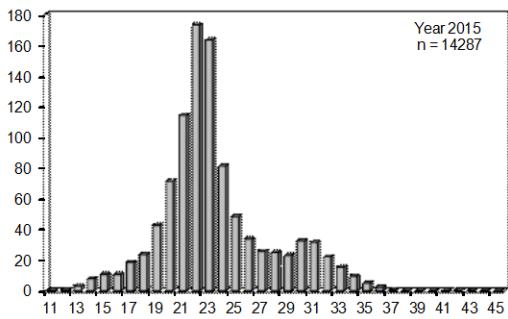


Fig. 8 - Annual length composition of redfish (*Sebastodes mentella*) on Division 3N 130mm trawl fishery in 2015

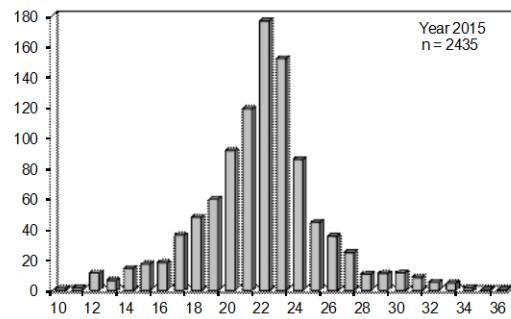


Fig. 9 - Annual length composition of redfish (*Sebastodes mentella*) on Division 3O 130mm trawl fishery in 2015

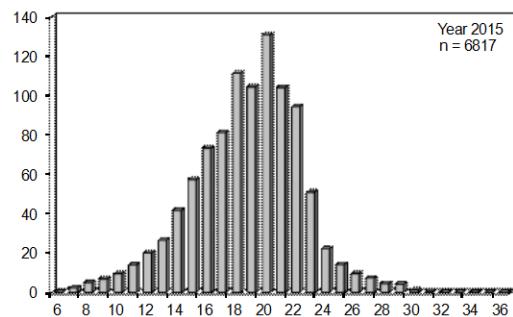


Fig. 10 - Annual length composition of redfish (*Sebastodes marinus*) on Division 3M 130mm trawl fishery in 2015

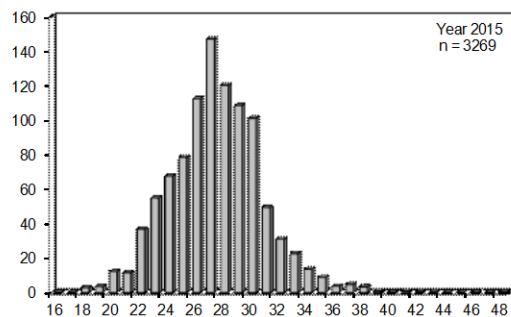


Fig. 11 - Annual length composition of American plaice on Division 3L 130mm trawl fishery in 2015

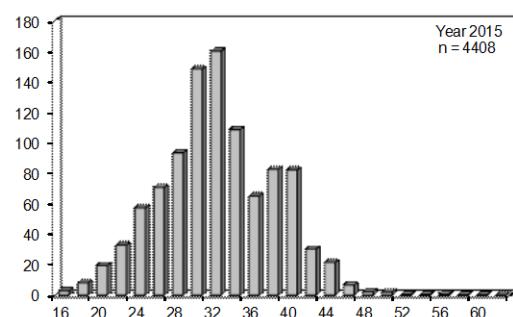


Fig. 12 - Annual length composition of American plaice on Division 3M 130mm trawl fishery in 2015

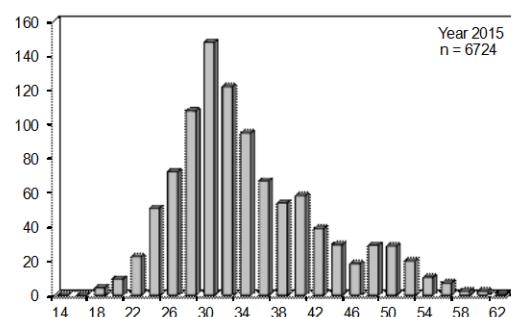


Fig. 13a - Annual length composition of American plaice on Division 3N 130mm trawl fishery in 2015

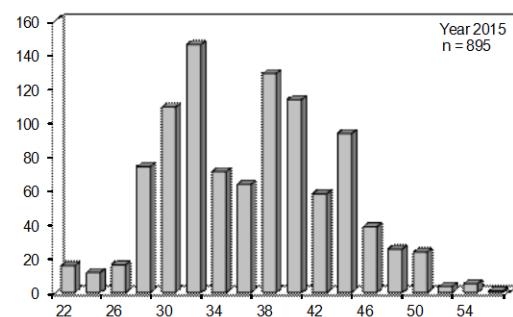


Fig. 13b - Annual length composition of American plaice on Division 3N 2800mm trawl fishery in 2015

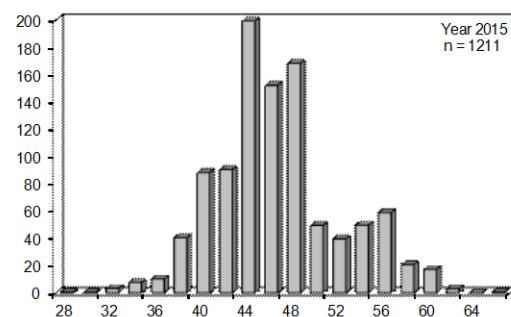


Fig. 14 - Annual length composition of American plaice on Division 3O 130mm trawl fishery in 2015

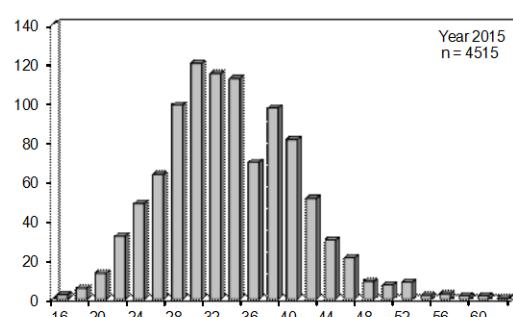


Fig. 15 - Annual length composition of Greenland halibut on Division 3L 130mm trawl fishery in 2015

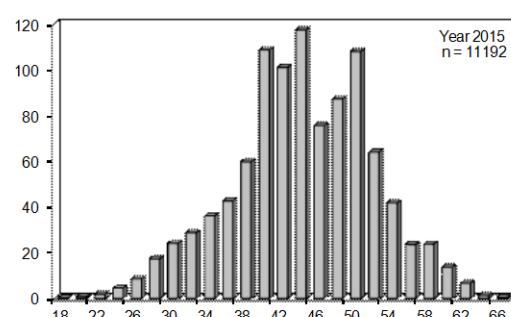


Fig. 16 - Annual length composition of Greenland halibut on Division 3M 130mm trawl fishery in 2015

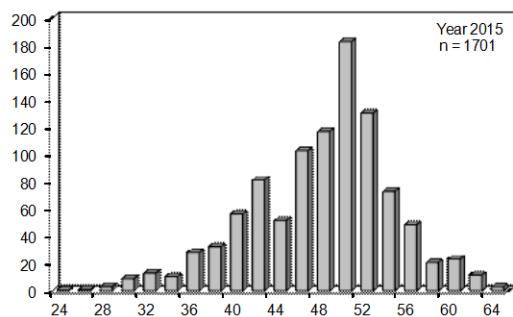


Fig. 17 - Annual length composition of Greenland halibut on Division 3O 130mm trawl fishery in 2015

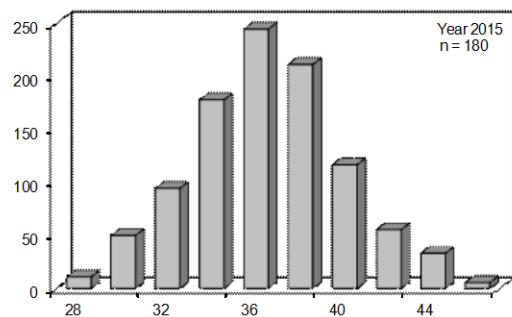


Fig. 18 - Annual length composition of witch flounder on Division 3M 130mm trawl fishery in 2015

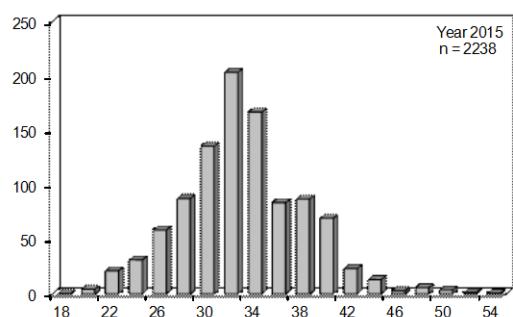


Fig. 19 - Annual length composition of witch flounder on Division 3N 130mm trawl fishery in 2015

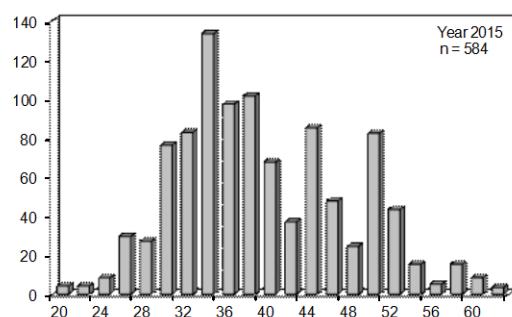


Fig. 20 - Annual length composition of witch flounder on Division 3O 130mm trawl fishery in 2015

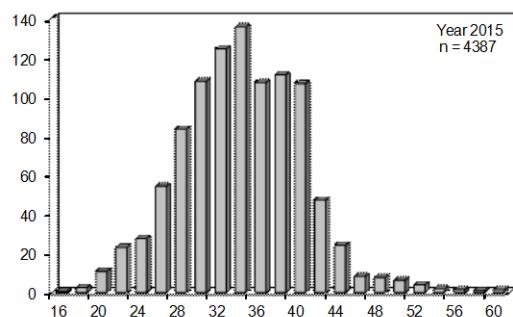


Fig. 21 - Annual length composition of roughhead grenadier on Division 3L 130mm trawl fishery in 2015

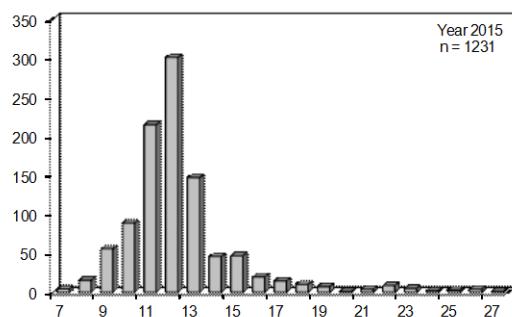


Fig. 22 - Annual length composition of roughhead grenadier on Division 3M 130mm trawl fishery in 2015

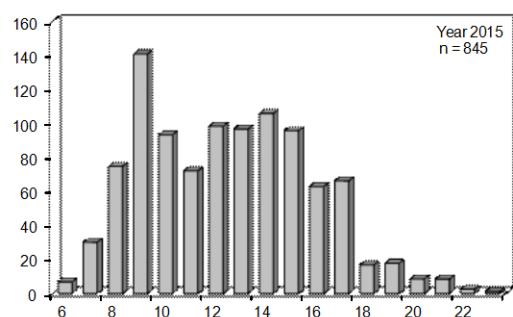


Fig. 23 - Annual length composition of white hake on Division 3O 130mm trawl fishery in 2015

