

**SCIENTIFIC COUNCIL MEETING – JUNE 2014****PORTUGUESE RESEARCH REPORT FOR 2013**

by

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

INSTITUTO PORTUGUÊS DO MAR E DA ATMOSFERA – IPMA, I.P.
Av. BRASÍLIA 1449-006, LISBOA, PORTUGAL**A. Status of the fisheries**

In 2013, the Portuguese provisional nominal catches proceeding from NAFO Regulatory Sub Area 3 reached 17 794 ton (Table 1-A). Nominal catches increased continuously from 2000 to 2003, when they peaked at 21 300 ton, but declined sharply afterwards (Table I-B); during 2004- 2008 catches stabilized between 11 500 and 13 000 ton. Over recent years (2009-2013) catches increased from around 15 400 ton (2009-2010) to near 16 300 ton (2011-2012) and reached, in 2013, the highest value since 2003.

The 2013 fishing effort is provisional, in previous years the fishing effort, after the SC June meeting, has been revised downwards. Based on provisional effort data, in 2013 the fishing effort in days reached the highest value since 2003 (1900 days fishing), due a duplication of fishing effort in the traditional grounds (Divisions 3L and 3M). The fishing effort in the divisions 3N and 3O remains at the same level of the past year. In 2013, 10 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 about 50% of the total catch in this division and 25% of the Portuguese catches in all Sub Area 3. Catches of redfish remained more or less stable in Div. 3L and 3N; but, by second consecutive year, fell in div. 3M (18%) and, because of that, the total catches of this specie decreased around 3000 ton from 2011 to 2013, representing now 40% of the total catches in this division. In Div. 3O, the catches of redfish increased about 1000 ton from 2012 to 2013, reached now around 90% of the catches in this division and 26% 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 more than 50% of the overall catch.

A strong decrease was observed for the roughhead grenadier catch in Div. 3L and 3M: in both divisions, after two consecutive years when the catches doubled, the 2013 catches decreased around 80% of his value and return to the level observed in 2010. The shrimp fishery in Div. 3L, that in 2009 its catches reached 20% of the total catch in this division, declined significantly in 2010 and was reduced to values around zero in 2011-2013.

The Greenland halibut catches increased around 20% from 2012 to 2013, returning to the level of 2009-2011. Greenland halibut together with redfish continues to be the bulk of the catch on Div. 3L (around 85% of the overall catch since 2009). The yellowtail flounder catches decreased around 400 ton (-80%) in divisions 3N and 3O combined; skates catches doubled in division 3N and remains more or less stable in all others divisions; and the catch of white hake reached 80 ton in 2013 against 18 ton in 2012. The catches of other species remained more or less stable in all divisions.

The catch in Div. 3M (mainly cod and redfish) continue in 2013, like the 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. On division 3O, redfish continues the most important fishery, with almost 90% of the catches and this division represents now around 30% of the year catch. In Div. 3N, after a

decrease of 30% during 2012, the catches of redfish remains stable and the redfish fishery is the most important one (38% of the total catch in 2013), follow by skates fishery, that doubled its catch and represents 25% of the catches in division 3N.

B. Portuguese Annual Sampling Program

1. Catch and effort sampling.

Effort and CPUE data for 2013 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. Effort data in days and hours were supplied by the Portuguese administration (since 2009 due to changes in its database), but the values for 2013 are provisional and available only for the fishing effort in days (not yet in hours). The update for the past years was extracted from Database STATLANT 21B, on May 30, 2014 (Table II-A/B).

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 2013 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 increased a lot the noised. 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 3O

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 2013, 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 2013, biological sampling was obtained from two stern trawlers fishing in Div. 3L, 3M, 3N and 3O 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*), Greenland halibut, American plaice and thorny skate were sampled in Div. 3L, 3M, 3N and 3O (Tab. V). Redfish (*S. marinus*) was sampled in Div. 3M. Roughhead grenadier was sampled in Div. 3L and 3M. Witch flounder was sampled in Div. 3N and 3O. Yellowtail flounder was sampled only in Div. 3N and white hake only in Div. 3O.

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 2013 and are presented in Table VI.

2.1. Catch and by-catch composition of the 2013 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 were made with a skate trawl net with 200mm/280mm mesh size in the codend, representing 32% in Div. 3N of the total effort sampled (lengths only). The size of these catches within the overall sampled catch in Div. 3N is about 13% for cod, 40% for witch flounder, 54% for American plaice, 77% for yellowtail flounder and 65% for thorny skate.

2.1.1. Cod Div. 3L

Information on length composition of the cod by-catch in Div. 3L is available for March and April and from July to November (Table VII, Fig. 2), from 257 m to 464 m depth.

Lengths between 33 cm and 42 cm dominated the catch, with a modal class at 33 cm (mean length and weight of 41 cm and 677 g).

2.1.2. Cod Div. 3M

Information on length composition of the cod trawl catch in Div. 3M is available from February to November, except for August (Table VIII, Fig. 3), from 179 m to 500 m depth.

Lengths between 39 cm and 48 cm dominated the catch, with a small peak at 42 cm (mean length and weight of 47.8 cm and 1200 g).

The Div. 3M cod age-length keys for the 1st and 2nd Trimesters and year are presented in Table VIII-B - D.

The 2006 to 2008 year classes, 3 to 5 years old in 2013, dominated the trawl catches, being the 2007 year class the most represented (Tab. VIII-E, Fig. 3b).

2.1.3. Cod Div. 3N

Information on length composition of the cod by-catch in Div. 3N is available from February to April, for June and from September to November (Table IXa, Fig. 4a), from 83 m to 739 m depth.

Lengths between 36 cm and 42 cm dominated the catch, with a very modal class at 39 cm (mean length and weight of 42.8 cm and 750 g).

2.1.4. Cod Div. 3N 280 mm mesh size

Information on length composition of the cod by-catch in Div. 3N (280 mm mesh size) is available for June, November and December (Table IXb, Fig. 4b), from 50 m to 102 m depth.

Lengths between 39 cm and 51 cm dominated the catch, with a very modal class at 39 cm (mean length and weight of 45.6 cm and 924 g).

2.1.5. Cod Div. 3O

Information on length composition of the cod by-catch in Div. 3O is available from February to November, except for July and August (Table X, Fig. 5), from 93 m to 650 m depth.

Lengths between 36 cm and 42 cm dominated the catch, with a very clear modal class at 39 cm (mean length and weight of 41.8 cm and 695 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 March to November (Table XI, Fig. 6), from 227 m to 958 m depth.

Lengths between 21 cm and 23 cm dominated the catch, with a modal class at 22 cm (mean length and weight of 24.5 cm and 215 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 February to November, except for August (Table XII, Fig. 7), from 190 m to 576 m depth.

Lengths between 21 cm and 23 cm dominated the catch, with a modal class at 22 cm (mean length and weight of 25.5 cm and 251 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 February to November, except for July and August (Table XIII, Fig. 8), from 67 m to 586 m depth.

Lengths between 19 cm and 22 cm dominated the catch, with a very clear modal class at 22 cm (mean length and weight of 21.8 cm and 155 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 February to November, except for July and August (Table XIV, Fig. 9), from 93 m to 515 m depth.

Lengths between 19 cm and 22 cm dominated the catches, with a two clear modal classes at 20 cm and 21 cm (mean length and weight of 21.2 cm and 142 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 July and for November (Table XV, Fig. 10), from 190 m to 510 m depth.

Lengths at 22 cm, between 25 cm and 28 cm and at 31 cm dominated the catches, with a clear modal class at 28 (mean length and weight of 27.7 cm and 310 g).

2.1.11. American plaice Div. 3L

Information on length composition of the American plaice by-catch in Div. 3L is available for March and from July to November (Table XVI, Fig. 11), from 233 m to 958 m depth.

Lengths between 28 and 34 cm dominated the catch, with no modal classes (mean length and weight of 32.6 cm and 320 g).

2.1.12. American plaice Div. 3M

Information on length composition of the American plaice by-catch in Div. 3M is available for March and from June to November, except for August (Table XVII, Fig. 12), from 194 m to 490 m depth.

Lengths between 26 and 38 cm dominated the catch, with a very clear modal class at 32 cm (mean length and weight of 34.1 cm and 389 g).

2.1.13. American plaice Div. 3N

Information on length composition of the American plaice by-catch in Div. 3N is available from February to April and from September to November (Table XVIIIa, Fig. 13a), from 83 m to 550 m depth.

Lengths between 26 and 34 cm dominated the catch, with a modal class at 32 cm (mean length and weight of 32.9 cm and 326 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 June, November and December (Table XVIIIb, Fig. 13b), from 50 m to 102 m depth.

Lengths between 32 and 38 cm dominated the catch, with a modal class at 34 cm (mean length and weight of 37.2 cm and 482 g).

2.1.15. American plaice Div. 3O

Information on length composition of the American plaice by-catch in Div. 3O is available from February to May and from September to November (Table XIX, Fig. 14), from 93 m to 650 m depth.

Lengths between 28 and 34 cm dominated the catch, with a modal class at 32 cm (mean length and weight of 33 cm and 339 g).

2.1.16. Yellowtail flounder Div. 3N

Information on length composition of the yellowtail flounder by-catch in Div. 3N is available for September and October (Table XXa, Fig. 15a), from 96 m to 128 m depth.

Lengths between 30 and 36 cm dominated the catch, with a modal class at 30 cm (mean length and weight of 33.9 cm and 360 g).

2.1.17. Yellowtail flounder Div. 3N 280 mm mesh size

Information on length composition of the yellowtail flounder catch in Div. 3N (280 mm mesh size) is available for June and November (Table XXb, Fig. 15b), from 40 m to 53 m depth.

Lengths at 30 cm, 34 cm and 36 cm dominated the catch, with a modal class at 30 cm (mean length and weight of 34.2 cm and 387 g).

2.1.18. Greenland halibut Div. 3L

Information on length composition of the Greenland halibut catches in Div. 3L is available from March to July and for October and November (Table XXI, Fig. 16), from 806 m to 1404 m depth.

Lengths between 38 cm and 44 cm dominated the catch, with a modal class at 40 cm (mean length and weight of 43 cm and 771 g).

2.1.19. Greenland halibut Div. 3M

Information on length composition of the Greenland halibut catches in Div. 3M is available for March and from May to July (Table XXII, Fig. 17), from 685 m to 1200 m depth.

Lengths between 40 cm and 46 cm dominated the catch, with a very clear modal class at 44 cm (mean length and weight of 43.8 cm and 795 g).

2.1.20. Greenland halibut Div. 3N

Information on length composition of the Greenland halibut catches in Div. 3N is available from March to June (Table XXIII, Fig. 18), from 380 m to 1251 m depth.

Lengths between 40 cm and 46 cm dominated the catch, with a modal class at 46 cm (mean length and weight of 45.7 cm and 911 g).

2.1.21. Greenland halibut Div. 3O

Information on length composition of the Greenland halibut catches in Div. 3O is available only for June (Table XXIV, Fig. 19), from 500 m to 662 m depth.

Despite the small sampling (1 sample, 50 fish measured), the data shows that the lengths at 40 cm dominated the catch (mean length and weight of 44.4 cm and 829 g).

2.1.22. Roughhead grenadier Div. 3L

Information on length composition of the roughhead grenadier catches in Div. 3L is available from March to November, except for August and September (Table XXV, Fig. 20), from 806 m to 1404 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 13.1 cm and 233 g).

2.1.23. Roughhead grenadier Div. 3M

Information on length composition of the roughhead grenadier catch in Div. 3M is available for April and May (Table XXVI, Fig. 21), from 946 m to 1165 m depth.

Despite the small sampling (2 sample, 177 fish measured), the data shows that the anal fin lengths between 16 cm and 19 cm dominated the catch (mean length and weight of 18.2 cm and 565 g).

2.1.24. Witch flounder Div. 3N

Information on length composition of the witch flounder by-catch in Div. 3N is available from March to June (Table XXVIIa, Fig. 22a), from 460 m to 1251 m depth.

Lengths at 36 cm, 40 cm and 42 cm dominated the catch (mean length and weight of 35.1 cm and 297 g).

2.1.25. Witch flounder Div. 3N 280 mm mesh size

Information on length composition of the witch flounder by-catch in Div. 3N (280 mm mesh size) is available only for November (Table XXVIIb, Fig. 22b), from 53 m to 79 m depth.

Lengths between 30 cm and 38 cm dominated the catch (mean length and weight of 34.9 cm and 251 g).

2.1.26. Witch flounder Div. 3O

Information on length composition of the witch flounder by-catch in Div. 3O is available from February to April and from September to November (Table XXVIII, Fig. 23), from 109 m to 594 m depth.

Lengths between 28 cm and 36 cm dominated the catch, with a modal class at 32 cm (mean length and weight of 34.6 cm and 255 g).

2.1.27. Thorny skate Div. 3L

Information on length composition of the thorny skate catches in Div. 3L is available for October and November (Table XXIX, Fig. 24), from 260 m to 320 m depth.

Because the small sampling (2 samples, 80 fish measured) we not take any conclusion about the dominated lengths in the catch (mean length and weight of 55.6 cm and 2313 g).

2.1.28. Thorny skate Div. 3M

Information on length composition of the thorny skate catches in Div. 3M is available from March to July, except for April (Table XXX, Fig. 25), from 275 m to 1043 m depth.

The data shows that the lengths at 48 cm and 55 cm dominated the catch (mean length and weight of 59.7 cm and 2578 g)

2.1.29. Thorny skate Div. 3N

Information on length composition of the thorny skate catches in Div. 3N is available for March and April (Table XXXIa, Fig. 26a), from 387 m to 966 m depth.

Because the small sampling (2 samples, 103 fish measured) we not take any conclusion about the dominated lengths in the catch, but we can identify a modal class at 49 cm (mean length and weight of 54.4 cm and 2073 g).

2.1.30. Thorny skate Div. 3N 280 mm mesh size

Information on length composition of the thorny skate catches in Div. 3N (280 mm mesh size) is available for June and November (Table XXXIb, Fig. 26b), from 40 m to 53 m depth.

Despite the small sampling (2 samples, 133 fish measured), data shows that the lengths at 49 cm and 50 cm dominated the catches (mean length and weight of 55.3 cm and 2213 g).

2.1.31. Thorny skate Div. 3O

Information on length composition of the thorny skate catches in Div. 3O is available for March, May, September and October (Table XXXII, Fig. 27), from 97 m to 455 m depth.

Lengths at 55 cm dominated the catch (mean length and weight of 54.3 cm and 1989 g).

2.1.32. White hake Div. 3O

Information on length composition of the white hake catches in Div. 3O is available from February to June, except for May and from September to November (Table XXXIII, Fig. 28), from 109 m to 515 m depth.

Despite the large range of lengths, the data show that lengths between 42 cm and 46 cm, dominated the catch (mean length and weight of 44 cm and 763 g).

3. Acknowledgements

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4. References

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TABLE I-A: PORTUGUESE NOMINAL TRAWL CATCHES (mt) IN NAFO AREA, 2013
(data extracted from NAFO Database Statlant 21A on 26 May 2014).

SPECIES	DIVISION				TOTAL 2013
	3L	3M	3N	3O	
Cod	76	4427	183	124	4810
Redfish	571	3493	620	4661	9345
American plaice	15	146	136	109	406
Yellowtail flounder			82	12	94
Witch flounder	3	32	17	75	127
Greenland halibut	1517	436	162	9	2124
Atlantic halibut	13	28	21	32	94
Roughhead grenadier	53	29	6		88
Roundnose grenadier	3	3	4		10
Anarhichas spp.		4			4
Hadocck		44	1	32	77
Pollock				1	1
White hake			2	78	80
Red hake	1				1
Silver hake				29	29
Capelin					
Skates	9	10	405	70	494
Monkfish			2	6	8
Squid					
Shrimp					
Unidentified	1		1		2
TOTAL	2262	8652	1642	5238	17794

TABLE I - B: PORTUGUESE NOMINAL TRAWL CATCHES (mt) IN NAFO DIV. 3LMNO (data xtracted from NAFO Database Statlant 21A on 26 May 2014).

SPECIES / YEAR	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001
Cod	2999	2832	1528	1003	434	255	177	105	281	602	488	361
Redfish	8893	9983	10541	9361	7768	7204	7805	7338	5971	7804	6346	5331
American plaice	412	198	160	298	355	443	376	371	517	748	634	636
Yellowtail flounder	508	71	27	71	145		134	188	68	287	123	350
Witch flounder	112	128	71	131	221	124	141	150	591	485	436	576
Greenland halibut	1972	2493	2257	2075	1976	1873	2326	2256	1888	4369	4318	5027
Atlantic halibut	64	46	56	469	23	32	43	20	59	89	47	45
Roughhead grenadier	481	251	83	266	50	34	77	262	381	302	508	613
Roundnose grenadier	203	48	27	198	29	37	54					
Anarhichas spp.	7	9	13	41	25	16	28	32	45	112	88	142
Hadocck	60	13	1	3	1	2		6	23	141	78	22
Pollock									4	114		
White hake	18	25	17	24	55	62	102	157	1266	4090	1678	
Red hake	1	69	1		3	2	4	18	13	2	1968	273
Capelin												
Skates	352	435	304	1045	1252	1058	1003	576	1550	1942	1362	883
Monkfish	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	420
Unidentified	222	38	11	77	2	1	216	6	21	13	322	40
TOTAL	16313	16641	15125	15426	12357	11180	12537	11491	12812	21265	18483	14719

TABLE I - B: cont.

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

TABLE II-A: PORTUGUESE PROVISIONAL TRAWL EFFORT IN FISHING DAYS AND FISHING HOURS IN NAFO AREA IN 2013 (*).

MONTH	DIVISION								TOTAL		MONTH
	3L		3M		3N		3O				
	DAYS	HOURS	DAYS	HOURS	DAYS	HOURS	DAYS	HOURS	DAYS	HOURS	
JAN.	9		21		8		9		47		JAN.
FEB.	32		79		18		29		158		FEB.
MAR.	58		101		38		27		224		MAR.
APR.	33		97		17		9		156		APR.
MAY	22		56		63		30		171		MAY
JUN.	45		71		47		20		183		JUN.
JUL.	46		164						210		JUL.
AUG.	56		49		25		43		173		AUG.
SEP.	43		44		21		34		142		SEP.
OCT.	60		47		43		40		190		OCT.
NOV.	39		42		40		44		165		NOV.
DEC.	10		2		36		33		81		DEC.
TOTAL	453		773		356		318		1900		TOTAL

(*) - Data of fishing effort in hours not available ; Data of fishing effort in days are provisional.

TABLE II - B: PORTUGUESE TRAWL EFFORT IN FISHING DAYS
 IN NAFO Div. 3LMNO (data extracted from NAFO.
 (Database Statlant 21B on 30 May 2014)

YEAR	3L	3M	3N	3O	Total geral
2000	518	248	281	300	1347
2001	729	467	327	243	1766
2002	585	254	464	436	1739
2003	492	246	708	714	2160
2004	427	293	387	461	1568
2005	476	288	213	338	1315
2006	393	350	106	485	1334
2007	295	359	133	338	1125
2008	272	424	169	200	1065
2009	493	603	226	151	1473
2010	449	609	164	162	1384
2011	372	632	292	217	1513
2012	235	400	337	299	1271

TABLE III: Portuguese trawl fishery cpue's and bycatch by month and division for 2013.

DIVISION	TARGET SPECIES	MONTH	DEPTH RANGE (m)		CPUE (ton/hour)	MAIN BYCATCH		WITCH FLOUNDER BYCATCH (%)	TOTAL BYCATCH (%)
			MIN.	MAX.		SPECIES	%		
3M	COD	FEB	309	454	1.275	RED	13.2	0.0	13.2
3M	COD	MAR	275	553	1.438	RED	8.5	0.0	10.9
3M	COD	APR	264	587	0.969	RED	11.6	0.0	13.1
3M	COD	MAY	166	371	0.517	HAL	3.5	0.0	3.5
3M	COD	JUN	312	351	1.474	RED	39.0	0.0	40.0
3M	COD	SEP	270	302	0.387	RED	38.2	0.0	41.6
3M	COD	OCT	380	416	2.379	RED	11.7	0.0	13.6
3L	RED	APR	366	433	0.962	COD	40.0	0.0	40.0
3L	RED	JUL	272	348	4.127	COD	4.6	0.0	5.8
3L	RED	AUG	273	350	4.447	COD	13.2	0.0	15.4
3L	RED	SEP	255	356	2.350	COD	4.5	0.0	5.1
3L	RED	OCT	241	385	3.918	COD	7.6	0.0	9.6
3L	RED	NOV	227	338	5.057	COD	11.7	0.0	14.6
3M	RED	FEB	378	482	1.074	COD	29.0	0.0	29.0
3M	RED	MAR	360	512	1.407	COD	7.9	0.0	7.9
3M	RED	APR	250	587	1.731	COD	16.9	0.0	17.8
3M	RED	MAY	464	576	4.513	COD	2.4	0.0	2.4
3M	RED	OCT	488	490	6.914	COD	3.7	0.0	4.5
3N	RED	FEB	250	751	25.094	COD	8.5	0.0	9.1
3N	RED	MAR	272	587	8.633	COD	14.8	0.1	20.7
3N	RED	APR	280	640	8.878	COD	17.7	0.0	21.2
3N	RED	MAY	268	620	1.530	HAL	0.6	0.5	1.5
3N	RED	JUN	289	739	1.878	COD	16.9	1.5	23.6
3N	RED	SEP	430	671	18.130	COD	8.4	0.0	8.4
3N	RED	OCT	66	128	6.681	COD	23.8	0.0	32.7
3N	RED	NOV	67	179	6.316	COD	9.7	0.0	12.5
3O	RED	FEB	150	515	0.646	COD	21.0	20.3	68.7
3O	RED	MAR	166	633	1.598	WIT	18.4	18.4	40.0
3O	RED	APR	310	594	1.139	COD	10.0	5.9	27.6
3O	RED	MAY	194	483	1.564	HKW	1.4	0.0	3.8
3O	RED	JUN	247	380	3.579	COD	8.0	0.0	10.6
3O	RED	SEP	97	481	0.572	HKW	12.1	4.0	31.5
3O	RED	OCT	124	480	2.081	COD	8.8	1.8	19.2
3O	RED	NOV	109	128	0.143	SKA	34.4	13.0	81.6
3L	GHL	MAR	810	1473	0.520	RHG	9.9	0.0	11.6
3L	GHL	APR	1062	1250	0.380	RHG	1.2	0.0	1.7
3L	GHL	MAY	830	857	0.378	RHG	11.5	0.0	16.7
3L	GHL	JUN	850	905	1.418	RHG	2.3	0.0	4.3
3L	GHL	JUL	866	1200	0.524	RHG	10.6	0.0	12.0
3L	GHL	OCT	806	1376	0.467	RHG	15.7	0.0	18.0
3L	GHL	NOV	853	1522	0.472	RHG	17.7	0.0	19.7
3M	GHL	MAR	738	1213	0.334	RHG	10.8	0.1	14.5
3M	GHL	APR	353	1165	0.402	RHG	0.8	0.0	1.1
3M	GHL	MAY	946	1163	0.257	RHG	7.9	0.0	10.3
3N	GHL	APR	825	1092	0.407	RHG	5.3	3.8	11.7
3N	GHL	MAY	530	1251	0.396	SKA	19.6	4.0	24.4
3N	GHL	JUN	800	1240	0.538	RHG	6.6	5.3	11.9
3O	GHL	JUN	500	662	0.120	-	0.0	0.0	0.0

TABLE III: (cont.)

DIVISION	TARGET SPECIES	MONTH	DEPTH RANGE (m)		CPUE (ton/hour)	MAIN BYCATCH		WITCH FLOUNDER BYCATCH (%)	TOTAL BYCATCH (%)
			MIN.	MAX.		SPECIES	%		
3M	RHG	MAR	950	1052	0.353	GHL	56.8	0.0	60.8
3N	RHG	MAY	823	920	0.131	RED	4.2	3.4	7.7
3O	HKW	FEB	150	495	0.184	RED	24.0	18.3	85.1
3O	HKW	MAR	260	372	0.126	RED	21.3	3.4	79.7
3O	HKW	MAY	225	228	0.087	RED	15.6	0.0	31.6
3O	HKW	JUN	148	196	0.063	SKA	27.8	0.0	65.6
3O	HKW	SEP	192	224	0.190	RED	38.0	1.6	76.7
3N	SKA	JUN	42	62	0.279	PLA	42.1	0.0	71.1
3N	SKA	NOV	40	79	0.314	PLA	30.8	4.8	57.4
3O	SKA	FEB	390	495	0.125	RED	34.1	5.7	82.4
3O	SKA	MAR	166	403	0.132	RED	28.1	15.7	85.0
3O	SKA	JUN	148	196	0.051	HKW	34.4	0.0	72.2
3O	SKA	SEP	97	224	0.131	RED	37.8	2.3	75.3
3O	SKA	NOV	109	128	0.267	PLA	21.7	13.0	65.6

TABLE IV - A: GREENLAND HALIBUT TRAWL CATCH RATES, 1988-2013: mean annual cpue's corrected for the month, division and vessel of each observation.

	3L			3M			3N			3LMN			
	CPUE	ST.ERROR	C.V.	CPUE	ST.ERROR	C.V.	CPUE	ST.ERROR	C.V.	CPUE	ST.ERROR	C.V.	
1988	0.450	0.082	36.4							0.414	0.088	42.8	1988
1989	0.431	0.072	50.1							0.390	0.073	55.8	1989
1990	0.364	0.038	36.0	0.148			0.165			0.312	0.036	43.5	1990
1991	0.240	0.049	45.9				0.121	0.032	45.8	0.184	0.035	53.7	1991
1992	0.173	0.030	55.7				0.256	0.032	43.5	0.247	0.032	62.3	1992
1993	0.123	0.007	7.6				0.171	0.019	39.6	0.224	0.025	41.4	1993
1994	0.103	0.003	4.1				0.103	0.017	40.2	0.152	0.031	58.1	1994
1995	0.130	0.013	28.9	0.160	0.012	16.2	0.136	0.019	36.7	0.153	0.017	48.9	1995
1996	0.170	0.021	44.6	0.187	0.022	34.8	0.164	0.019	30.7	0.165	0.012	39.6	1996
1997	0.191	0.012	21.2	0.243	0.023	26.4	0.123	0.009	9.8	0.186	0.014	34.9	1997
1998	0.271	0.017	23.2	0.236	0.024	35.7	0.215	0.015	23.8	0.253	0.012	30.0	1998
1999	0.291	0.025	26.7	0.342	0.038	33.5	0.261	0.019	21.7	0.299	0.018	33.1	1999
2000	0.269	0.022	21.3	0.290	0.020	15.3	0.296	0.043	29.3	0.277	0.022	31.7	2000
2001	0.206	0.023	29.9	0.204	0.011	14.2	0.200	0.010	11.6	0.204	0.015	31.2	2001
2002	0.221	0.016	23.7	0.223	0.030	44.7	0.262	0.031	23.8	0.218	0.017	39.2	2002
2003	0.222	0.025	35.8	0.218	0.031	40.4	0.209	0.023	26.8	0.220	0.019	43.1	2003
2004	0.120	0.015	38.2	0.103	0.024	70.1	0.135	0.010	20.2	0.135	0.015	58.5	2004
2005	0.226	0.023	14.4	0.299	0.086	40.8				0.233	0.022	19.0	2005
2006	0.445	0.049	27.2	0.253	0.045	31.0				0.346	0.045	39.2	2006
2007	0.655	0.084	31.4	0.401	0.065	32.3				0.522	0.068	41.3	2007
2008	0.442	0.036	19.7	0.427	0.027	12.6				0.407	0.021	16.2	2008
2009	0.717	0.091	38.0	0.634	0.047	21.0				0.649	0.049	32.3	2009
2010	0.418	0.036	27.1	0.370	0.021	9.7	0.465			0.397	0.028	26.0	2010
2011	0.783	0.072	22.8	0.631	0.082	29.2				0.687	0.060	29.3	2011
2012	0.378	0.025	9.6	0.313						0.346	0.033	16.8	2012
2013	0.465	0.050	27.3	0.280	0.019	14.2	0.379	0.040	15.5	0.386	0.033	30.1	2013

TABLE IV - B: GREENLAND HALIBUT TRAWL CATCH RATES, 1988-2013 mean cpue's by division corrected for the year, month and vessel of each observation.

	CPUE	ST.ERROR	C.V.	
3L	0.320	0.008	34.6	3L
3M	0.288	0.008	30.7	3M
3N	0.201	0.006	30.1	3N
3LMN	0.280	0.005	37.2	3LMN

TABLE V: Intensity of the trawl sampling during 2013, by species, division and month.

SPECIES	DIV.	MONTH	N° OF SAMPLES	N° FISH MEASURED	SAMPLING WEIGHT(Kg)	OTOLITHS	
						N°	LENGTH RANGE (cm)
COD	3L	MAR	1	166	200	73	33-76
COD	3L	APR	1	95	104	-	-
COD	3L	JUL	3	274	122	-	-
COD	3L	AUG	4	691	521	-	-
COD	3L	SEP	4	589	1004	-	-
COD	3L	OCT	4	514	772	-	-
COD	3L	NOV	3	436	570	-	-
COD	3M	FEB	10	1068	3658	-	-
COD	3M	MAR	11	1109	2583	127	28-98
COD	3M	APR	9	856	1266	145	29-103
COD	3M	MAY	3	256	456	123	26-93
COD	3M	JUN	6	897	1790	-	-
COD	3M	JUL	6	1187	2590	-	-
COD	3M	SEP	4	541	710	-	-
COD	3M	OCT	1	50	48	-	-
COD	3M	NOV	1	153	174	-	-
COD	3N	FEB	5	680	889	-	-
COD	3N	MAR	7	696	814	52	29-52
COD	3N	APR	5	468	605	58	35-71
COD	3N	JUN	6	391	854	-	-
COD	3N	SEP	3	385	618	-	-
COD	3N	OCT	1	100	113	-	-
COD	3N	NOV	5	723	-	-	-
COD	3N	DEC	1	133	153	-	-
COD	3O	FEB	2	205	190	-	-
COD	3O	MAR	8	727	774	109	28-80
COD	3O	APR	5	443	645	128	31-85
COD	3O	MAY	4	328	459	129	26-90
COD	3O	JUN	4	391	274	-	-
COD	3O	SEP	2	138	156	-	-
COD	3O	OCT	6	882	1020	-	-
COD	3O	NOV	2	164	289	-	-
REDFISH (<i>S. mentella</i>)	3L	MAR	2	233	97	72	18-35
REDFISH (<i>S. mentella</i>)	3L	APR	2	220	80	62	19-34
REDFISH (<i>S. mentella</i>)	3L	MAY	1	92	24	73	20-31
REDFISH (<i>S. mentella</i>)	3L	JUN	1	118	49	-	-
REDFISH (<i>S. mentella</i>)	3L	JUL	1	242	79	-	-
REDFISH (<i>S. mentella</i>)	3L	AUG	1	298	94	-	-
REDFISH (<i>S. mentella</i>)	3L	SEP	1	209	68	-	-
REDFISH (<i>S. mentella</i>)	3L	OCT	2	530	160	-	-
REDFISH (<i>S. mentella</i>)	3L	NOV	2	434	122	-	-
REDFISH (<i>S. mentella</i>)	3M	FEB	10	1819	667	-	-
REDFISH (<i>S. mentella</i>)	3M	MAR	5	580	217	58	19-31
REDFISH (<i>S. mentella</i>)	3M	APR	4	466	209	-	-
REDFISH (<i>S. mentella</i>)	3M	MAY	1	87	22	81	20-34
REDFISH (<i>S. mentella</i>)	3M	JUN	3	405	131	-	-
REDFISH (<i>S. mentella</i>)	3M	JUL	3	567	203	-	-
REDFISH (<i>S. mentella</i>)	3M	SEP	3	534	143	-	-
REDFISH (<i>S. mentella</i>)	3M	OCT	1	127	40	-	-
REDFISH (<i>S. mentella</i>)	3M	NOV	1	157	72	-	-

TABLE V (cont.).

SPECIES	DIV.	MONTH	N° OF SAMPLES	N° FISH MEASURED	SAMPLING WEIGHT(Kg)	OTOLITHS	
						N°	LENGTH RANGE (cm)
REDFISH (<i>S. mentella</i>)	3N	FEB	5	1452	338	-	-
REDFISH (<i>S. mentella</i>)	3N	MAR	2	148	30	-	-
REDFISH (<i>S. mentella</i>)	3N	APR	2	217	73	59	17-33
REDFISH (<i>S. mentella</i>)	3N	MAY	1	81	20	67	20-31
REDFISH (<i>S. mentella</i>)	3N	JUN	1	215	42	-	-
REDFISH (<i>S. mentella</i>)	3N	SEP	1	220	64	-	-
REDFISH (<i>S. mentella</i>)	3N	OCT	1	100	10	-	-
REDFISH (<i>S. mentella</i>)	3N	NOV	1	307	39	-	-
REDFISH (<i>S. mentella</i>)	3O	FEB	2	435	72	-	-
REDFISH (<i>S. mentella</i>)	3O	MAR	2	297	52	-	-
REDFISH (<i>S. mentella</i>)	3O	APR	3	411	139	123	15-40
REDFISH (<i>S. mentella</i>)	3O	MAY	1	87	22	68	19-33
REDFISH (<i>S. mentella</i>)	3O	JUN	1	50	7	-	-
REDFISH (<i>S. mentella</i>)	3O	SEP	1	206	49	-	-
REDFISH (<i>S. mentella</i>)	3O	OCT	1	171	23	-	-
REDFISH (<i>S. mentella</i>)	3O	NOV	1	216	59	-	-
REDFISH (<i>S. marinus</i>)	3M	MAR	7	642	240	119	21-44
REDFISH (<i>S. marinus</i>)	3M	APR	7	636	226	83	18-39
REDFISH (<i>S. marinus</i>)	3M	MAY	1	87	46	79	23-48
REDFISH (<i>S. marinus</i>)	3M	JUN	4	629	247	-	-
REDFISH (<i>S. marinus</i>)	3M	JUL	4	584	282	-	-
REDFISH (<i>S. marinus</i>)	3M	NOV	1	136	80	-	-
AMERICAN PLAICE	3L	MAR	1	209	121	-	-
AMERICAN PLAICE	3L	JUL	3	309	56	-	-
AMERICAN PLAICE	3L	AUG	3	366	77	-	-
AMERICAN PLAICE	3L	SEP	2	262	124	-	-
AMERICAN PLAICE	3L	OCT	3	276	122	-	-
AMERICAN PLAICE	3L	NOV	3	306	140	-	-
AMERICAN PLAICE	3M	MAR	3	192	111	63	27-47
AMERICAN PLAICE	3M	JUN	2	183	76	-	-
AMERICAN PLAICE	3M	JUL	2	129	78	-	-
AMERICAN PLAICE	3M	SEP	3	311	187	-	-
AMERICAN PLAICE	3M	OCT	1	50	18	-	-
AMERICAN PLAICE	3M	NOV	1	143	79	-	-
AMERICAN PLAICE	3N	FEB	1	146	62	-	-
AMERICAN PLAICE	3N	MAR	6	808	344	-	-
AMERICAN PLAICE	3N	APR	3	272	128	-	-
AMERICAN PLAICE	3N	JUN	4	560	307	-	-
AMERICAN PLAICE	3N	SEP	1	140	77	-	-
AMERICAN PLAICE	3N	OCT	1	130	80	-	-
AMERICAN PLAICE	3N	NOV	5	885	438	-	-
AMERICAN PLAICE	3N	DEC	1	182	95	-	-

TABLE V (cont.).

SPECIES	DIV.	MONTH	N° OF SAMPLES	N° FISH MEASURED	SAMPLING WEIGHT(Kg)	OTOLITHS	
						N°	LENGTH RANGE (cm)
AMERICAN PLAICE	3O	FEB	2	403	204	-	-
AMERICAN PLAICE	3O	MAR	3	512	271	75	35-58
AMERICAN PLAICE	3O	APR	2	209	138	72	29-66
AMERICAN PLAICE	3O	MAY	1	78	40	77	29-57
AMERICAN PLAICE	3O	SEP	2	247	102	-	-
AMERICAN PLAICE	3O	OCT	2	218	133	-	-
AMERICAN PLAICE	3O	NOV	2	226	121	-	-
YELLOWTAIL FLOUNDER	3N	JUN	1	172	77	-	-
YELLOWTAIL FLOUNDER	3N	SEP	1	116	50	-	-
YELLOWTAIL FLOUNDER	3N	OCT	1	141	76	-	-
YELLOWTAIL FLOUNDER	3N	NOV	1	85	33	-	-
GREENLAND HALIBUT	3L	MAR	4	328	318	95	36-60
GREENLAND HALIBUT	3L	APR	1	88	103	76	36-77
GREENLAND HALIBUT	3L	MAY	1	93	100	90	36-93
GREENLAND HALIBUT	3L	JUN	2	265	209	-	-
GREENLAND HALIBUT	3L	JUL	2	498	272	-	-
GREENLAND HALIBUT	3L	OCT	4	873	747	-	-
GREENLAND HALIBUT	3L	NOV	5	1081	1064	-	-
GREENLAND HALIBUT	3M	MAR	3	333	368	89	34-59
GREENLAND HALIBUT	3M	MAY	1	96	75	78	36-67
GREENLAND HALIBUT	3M	JUN	1	202	137	-	-
GREENLAND HALIBUT	3M	JUL	2	387	250	-	-
GREENLAND HALIBUT	3N	MAR	2	132	141	-	-
GREENLAND HALIBUT	3N	APR	2	179	159	78	31-68
GREENLAND HALIBUT	3N	MAY	2	183	153	76	35-67
GREENLAND HALIBUT	3N	JUN	2	240	225	-	-
GREENLAND HALIBUT	3O	JUN	1	50	45	-	-
ROUGHHEAD GRENADIER	3L	MAR	3	433	170	78	7.5-32.5
ROUGHHEAD GRENADIER	3L	APR	1	95	50	85	7.5-27.5
ROUGHHEAD GRENADIER	3L	MAY	1	82	54	76	12-41.5
ROUGHHEAD GRENADIER	3L	JUN	2	383	159	-	-
ROUGHHEAD GRENADIER	3L	JUL	2	289	145	-	-
ROUGHHEAD GRENADIER	3L	OCT	2	359	147	-	-
ROUGHHEAD GRENADIER	3L	NOV	3	546	323	-	-
ROUGHHEAD GRENADIER	3M	APR	1	80	40	74	10-27.5
ROUGHHEAD GRENADIER	3M	MAY	1	97	59	93	11.5-29.5

TABLE V (cont.).

SPECIES	DIV.	MONTH	N° OF SAMPLES	N° FISH MEASURED	SAMPLING WEIGHT(Kg)	OTOLITHS	
						N°	LENGTH RANGE (cm)
WITCH FLOUNDER	3N	MAR	1	127	51	-	-
WITCH FLOUNDER	3N	APR	1	83	46	68	28-51
WITCH FLOUNDER	3N	MAY	1	91	46	-	-
WITCH FLOUNDER	3N	JUN	1	101	51	-	-
WITCH FLOUNDER	3N	NOV	1	174	60	-	-
WITCH FLOUNDER	3O	FEB	2	353	143	-	-
WITCH FLOUNDER	3O	MAR	2	227	98	64	27-52
WITCH FLOUNDER	3O	APR	2	287	132	73	33-48
WITCH FLOUNDER	3O	SEP	1	101	26	-	-
WITCH FLOUNDER	3O	OCT	1	140	52	-	-
WITCH FLOUNDER	3O	NOV	1	122	42	-	-
WHITE HAKE	3O	FEB	2	209	299	-	-
WHITE HAKE	3O	MAR	1	68	92	-	-
WHITE HAKE	3O	APR	1	68	129	-	-
WHITE HAKE	3O	JUN	1	70	62	-	-
WHITE HAKE	3O	SEP	1	71	114	-	-
WHITE HAKE	3O	OCT	1	104	132	-	-
WHITE HAKE	3O	NOV	1	57	94	-	-
THORNY SKATE	3L	OCT	1	27	97	-	-
THORNY SKATE	3L	NOV	1	53	115	-	-
THORNY SKATE	3M	MAR	2	97	227	-	-
THORNY SKATE	3M	MAY	1	83	99	-	-
THORNY SKATE	3M	JUN	1	21	61	-	-
THORNY SKATE	3M	JUL	1	25	68	-	-
THORNY SKATE	3N	MAR	1	32	92	-	-
THORNY SKATE	3N	APR	1	71	98	-	-
THORNY SKATE	3N	JUN	1	44	88	-	-
THORNY SKATE	3N	NOV	1	89	236	-	-
THORNY SKATE	3O	MAR	2	79	152	-	-
THORNY SKATE	3O	MAY	1	81	99	-	-
THORNY SKATE	3O	SEP	1	43	106	-	-
THORNY SKATE	3O	OCT	1	44	92	-	-

TABLE VI: Length-weight relationship by species, stock and sex in 2013.

Species	Stock	Sex	a	b	n	r^2	Length interval (cm)
COD	2J3KL	T	0.0134	2.8909	183	0.993	22-76
COD	3M	T	0.0065	3.0890	862	0.991	22-103
COD	3NO	T	0.0038	3.2124	985	0.981	26-102
GHL	2J3KLMNO	F	0.0058	3.1131	618	0.989	28-93
GHL	2J3KLMNO	M	0.0072	3.0525	534	0.977	22-67
GHL	2J3KLMNO	T	0.0073	3.0541	1152	0.985	22-93
WIT	3NO	F	0.0001	4.0184	135	0.984	27-52
WIT	3NO	M	0.0001	4.2752	112	0.954	27-48
WIT	3NO	T	0.0001	4.0966	247	0.975	27-52
PLA	3LNO	F	0.0064	3.0800	226	0.994	20-66
PLA	3LNO	M	0.0081	3.0024	159	0.987	19-55
PLA	3LNO	T	0.0074	3.0344	385	0.994	19-66
PLA	3M	F	0.0037	3.2480	107	0.992	23-56
PLA	3M	M	0.0053	3.1364	70	0.995	22-46
PLA	3M	T	0.0039	3.2296	177	0.995	22-56
RHG	3LMNO	F	0.1732	2.7670	231	0.993	8-41.5
RHG	3LMNO	M	0.1286	2.8564	197	0.986	7.5-38
RHG	3LMNO	T	0.1504	2.8055	428	0.990	7.5-41.5
REB	3LN	F	0.0270	2.7800	284	0.989	11-35
REB	3LN	M	0.0370	2.6971	292	0.992	11-34
REB	3LN	T	0.0360	2.6998	576	0.994	11-35
REB	3M	F	0.0117	3.0535	198	0.989	13-35
REB	3M	M	0.0095	3.1111	178	0.992	15-36
REB	3M	T	0.0114	3.0575	376	0.992	13-36
REB	3O	F	0.0102	3.0918	168	0.976	17-40
REB	3O	M	0.0145	2.9910	147	0.977	15-38
REB	3O	T	0.0119	3.0506	315	0.984	15-40
REG	3M	F	0.0024	3.5088	220	0.985	19-48
REG	3M	M	0.0049	3.2938	177	0.993	18-44
REG	3M	T	0.0026	3.4843	397	0.987	18-48
RJR	3LMNO	F	0.0117	2.9927	55	0.925	38-80
RJR	3LMNO	M	0.0292	2.7749	87	0.924	40-84
RJR	3LMNO	T	0.0030	3.2963	485	0.987	25-84

TABLE VII: COD, DIV. 3L, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	JUL	AUG	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
21			7.5							2.1		1.2	21
24			67.5	0.7						19.5		10.7	24
27		21.1	97.0	29.1			5.1		21.1	45.8	1.4	26.3	27
30	12.0	21.1	268.8	154.6	2.2	7.6	55.2	12.0	21.1	173.9	20.5	104.5	30
33	24.1	168.4	313.5	248.8	10.8	34.2	34.7	24.1	168.4	246.9	34.3	154.4	33
36	30.1	231.6	161.5	246.9	20.8	46.9	89.2	30.1	231.6	203.6	58.4	142.3	36
39	114.5	431.6	47.7	121.4	39.1	162.8	229.8	114.5	431.6	93.6	180.9	138.6	39
42	108.4	42.1	32.2	150.3	98.7	170.4	179.3	108.4	42.1	112.6	172.8	134.9	42
45	96.4	63.2	4.4	30.8	233.5	194.2	133.8	96.4	63.2	40.5	177.9	97.8	45
48	66.3			15.8	268.5	196.0	111.1	66.3		32.8	173.0	89.2	48
51	78.3	21.1		1.6	187.0	139.7	134.7	78.3	21.1	16.9	138.4	67.3	51
54	60.2				80.2	45.5	15.0	60.2		6.8	37.3	20.0	54
57	60.2				11.0	2.6		60.2		0.9	1.9	2.5	57
60	42.2				10.9			42.2		0.9		1.3	60
63	60.2				19.1		4.0	60.2		1.6	1.1	2.5	63
66	54.2				4.7		4.0	54.2		0.4	1.1	1.7	66
69	54.2				7.8		4.0	54.2		0.7	1.1	1.9	69
72	36.1				1.8			36.1		0.2		0.8	72
75	30.1				1.8			30.1		0.2		0.7	75
78	18.1				1.1			18.1		0.1		0.4	78
81	12.0				1.1			12.0		0.1		0.3	81
84	18.1							18.1				0.4	84
87	12.0							12.0				0.2	87
90	12.0							12.0				0.2	90
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	3	4	4	4	3	1	1	11	7	20	
SAMPLING WEIGHT(kg)	200	104	122	521	1004	772	570	200	104	1647	1342	3292	
No. F.MEASURED	166	95	274	691	589	514	436	166	95	1554	950	2765	
MEAN LENGTH(cm)	55.5	39.1	33.5	37.3	49.4	45.9	44.0	55.5	39.1	37.3	45.4	41.0	
MEAN WEIGHT (g)	1750	555	360	491	1101	889	802	1750	555	506	865	677	
DEPTH RANGE (m)	445/464	366/391	272/348	273/322	310/356	257/342	258/287	445/464	366/391	272/356	257/342	257/464	

TABLE VIII-A: COD, DIV. 3M, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	MAY	JUN	JUL	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
21						1.7						1.4		0.5	21
24				0.6	3.4	7.6	2.3					6.7		2.8	24
27	3.0	1.1	3.4		11.5	69.3	20.7			1.5	6.7	61.5		24.2	27
30	10.2	1.5	21.0	11.0	40.1	63.7	37.9	40.0	13.1	3.6	28.7	59.6	24.6	33.0	30
33	17.4	7.2	46.0	7.7	94.4	79.6	35.2		32.7	9.7	65.2	72.5	18.7	51.1	33
36	42.0	22.3	103.6	11.6	97.0	85.5	43.1	60.0	32.7	27.1	98.9	78.7	44.4	70.6	36
39	100.0	55.5	182.6	71.5	194.8	90.7	153.9	400.0	85.0	66.3	185.4	100.8	220.1	128.2	39
42	128.9	88.2	106.9	54.1	224.3	148.5	214.8	120.0	189.5	98.1	154.4	159.1	159.7	142.4	42
45	141.4	98.3	103.3	8.3	69.3	191.1	254.5	80.0	222.2	108.7	87.2	201.3	161.2	137.1	45
48	37.9	149.5	98.2	45.8	46.8	117.8	74.5	180.0	143.8	122.4	75.8	110.9	159.3	104.9	48
51	94.7	179.5	70.2	123.3	100.3	43.8	68.4	80.0	202.6	158.9	83.8	47.8	150.0	93.9	51
54	186.2	122.0	48.4	143.2	39.7	33.8	45.9	20.0	39.2	137.5	46.8	35.7	31.0	64.5	54
57	60.0	57.7	31.1	79.8	11.8	2.8	4.6	20.0	6.5	58.3	24.2	3.1	12.3	24.5	57
60	15.5	52.4	35.5	109.0	15.0	4.8	8.3		26.1	43.5	28.6	5.4	14.9	23.3	60
63	39.6	31.5	39.2	140.2	6.0	9.3	12.5		6.5	33.5	27.5	9.8	3.7	21.3	63
66	28.6	28.9	29.6	56.2	5.6	9.1	1.8			28.8	20.2	7.9		16.8	66
69	32.7	27.0	16.8	41.2	8.2	11.7	4.6			28.4	13.7	10.5		15.4	69
72	25.6	18.9	11.2	28.4	5.2	6.4	2.9			20.5	9.0	5.8		10.2	72
75	18.5	14.6	12.9	5.8	4.8	6.5	0.6			15.5	9.4	5.5		9.0	75
78	13.2	10.3	6.7	12.8	6.5	6.2	2.9			11.0	6.7	5.7		7.0	78
81	1.0	16.2	10.1	17.4	3.3	1.1	10.6			12.5	7.4	2.7		6.6	81
84	2.2	6.4	13.7	6.4	3.8	4.5				5.4	9.4	3.8		5.9	84
87		2.5	1.4	7.0	3.3	2.4				1.9	2.3	2.0		2.0	87
90	1.2	3.5	1.4	18.0	4.9	1.7				2.9	3.2	1.4		2.3	90
93		3.2	3.1	0.6		0.4				2.5	1.7	0.4		1.3	93
96		1.5								1.2				0.3	96
99		0.5								0.4				0.1	99
102			3.9								2.2			0.7	102
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	10	11	9	3	6	6	4	1	1	21	18	10	2	51	
SAMPLING WEIGHT(kg)	3658	2583	1266	456	1790	2590	710	48	174	6240	3511	3300	222	13274	
No. F.MEASURED	1068	1109	856	256	897	1187	541	50	153	2177	2009	1728	203	6117	
MEAN LENGTH(cm)	52.0	54.1	49.3	58.4	44.8	44.0	45.3	44.0	47.1	53.6	47.6	44.2	45.8	47.8	
MEAN WEIGHT (g)	1479	1668	1361	2090	972	935	941	816	1002	1622	1215	936	922	1200	
DEPTH RANGE (m)	365/460	392/500	283/468	179/472	250/414	250/413	203/441	380/416	194/198	365/500	179/472	203/441	194/416	179/500	

TABLE VIII-B: COD, DIV. 3M, 2013: 1st Trimester age length key.

LENGTH GROUP	AGES								TOTAL	LENGTH GROUP
	1	2	3	4	5	6	7	8		
21										21
24										24
27		1							1	27
30			1						1	30
33				3					3	33
36			7	1					8	36
39			1	15					16	39
42				14	1				15	42
45			1	12					13	45
48				12	1				13	48
51				8	4				12	51
54				4	8				12	54
57				1	3	3			7	57
60					5	5			10	60
63					2	2			4	63
66					2	2	1		5	66
69						1	2		3	69
72					1				1	72
75								1	1	75
78								1	1	78
81						3	1		4	81
84						3	2		5	84
87							2		2	87
90						1	2		3	90
93							2		2	93
96								1	1	96
99									1	99
102										102
TOTAL		1	10	70	27	20	15	1	144	

TABLE VIII-C: COD, DIV. 3M, 2013: 2nd Trimestre age length key.

LENGTH GROUP	AGES									TOTAL	LENGTH GROUP
	1	2	3	4	5	6	7	8	9		
21		1								1	21
24		1								1	24
27		1								1	27
30		3	4							7	30
33			11	3						14	33
36			10	4						14	36
39			3	15	2					20	39
42			2	20	1					23	42
45				14						14	45
48				15	2	1				18	48
51			1	10	5	1				17	51
54				9	6	1				16	54
57				3	14	5				22	57
60				5	12	3				20	60
63				2	13	5	2	1		23	63
66					11	5	1			17	66
69				1	2	3	3			9	69
72					2	4	2			8	72
75						2	1			3	75
78						2	2			4	78
81						3	1			4	81
84						3	2			5	84
87							2			2	87
90						1	2			3	90
93							2			2	93
96											96
99											99
102									1	1	102
TOTAL		6	31	101	70	39	20	1	1	269	

TABLE VIII-D: COD, DIV. 3M: 2013 Age length key.

LENGTH GROUP	AGES									TOTAL	LENGTH GROUP
	1	2	3	4	5	6	7	8	9		
21		1								1	21
24		1								1	24
27		2								2	27
30		3	5							8	30
33			11	6						17	33
36			17	5						22	36
39			4	30	2					36	39
42			2	34	2					38	42
45			1	26						27	45
48				27	3	1				31	48
51			1	18	9	1				29	51
54				13	14	1				28	54
57				4	17	8				29	57
60				5	17	8				30	60
63				2	15	7	2	1		27	63
66					13	7	2			22	66
69				1	2	4	5			12	69
72					3	4	2			9	72
75						2	2			4	75
78						2	3			5	78
81						3	1			4	81
84						3	2			5	84
87							2			2	87
90						1	2			3	90
93							2			2	93
96							1			1	96
99								1		1	99
102									1	1	102
TOTAL		7	41	171	97	52	26	2	1	397	

TABLE VIII-E: COD, DIV. 3M, 2013: age composition (0/000), mean length (cm) and mean weight (kg) at age, of the 130mm trawl catches.

AGE GROUP	1st Q.			2nd Q.			3rd Q.			4th Q.			YEAR			AGE GROUP
	‰	MEAN LENGTH	MEAN WEIGHT	‰	MEAN LENGTH	MEAN WEIGHT	‰	MEAN LENGTH	MEAN WEIGHT	‰	MEAN LENGTH	MEAN WEIGHT	‰	MEAN LENGTH	MEAN WEIGHT	
2	1.5	28.0	0.191	20.4	29.6	0.230	95.1	28.5	0.204	10.6	31.0	0.261	41.3	28.7	0.209	2
3	39.8	38.7	0.538	184.5	36.9	0.466	179.0	35.9	0.427	116.2	38.6	0.546	142.3	36.7	0.458	3
4	540.2	47.3	0.998	555.8	44.7	0.855	597.7	45.1	0.858	726.0	45.4	0.881	577.1	45.5	0.891	4
5	256.1	57.2	1.814	142.3	55.3	1.692	76.4	53.0	1.494	121.3	50.4	1.235	146.2	55.5	1.686	5
6	98.0	65.4	2.766	64.8	68.1	3.239	34.8	66.4	3.060	25.5	53.0	1.402	60.1	66.3	2.963	6
7	64.0	76.4	4.379	28.7	78.5	4.801	16.5	77.9	4.656	0.3	64.0	2.454	31.5	77.3	4.559	7
8	0.4	100.0	9.740	1.20	64.0	2.454	0.4	64.0	2.454	0.2	64.0	2.454	0.7	69.0	3.473	8
9				2.2	103.0	10.672							0.7	103.0	10.672	9
TOTAL	1000			1000			1000			1000			1000			

TABLE IX-A: COD, DIV. 3N, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	JUN	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
21	4.8							1.3				0.5	21
24	5.3	14.3	4.0					11.8	2.4			5.3	24
27	24.2	39.6	17.3				7.8	35.4	10.5		6.5	18.3	27
30	59.2	85.6	62.4	22.2	1.5	20.0	18.7	78.4	46.6	1.5	18.9	45.8	30
33	154.2	101.3	171.0	79.0	2.2	10.0	16.7	115.7	134.9	2.2	15.5	74.1	33
36	376.7	198.3	291.8	192.3	22.8	90.0	85.5	246.9	252.8	22.8	86.2	171.4	36
39	212.0	264.2	250.7	440.7	139.1	210.0	205.1	250.0	325.2	139.1	205.9	235.0	39
42	120.2	67.3	105.4	116.0	214.3	130.0	189.3	81.7	109.6	214.3	179.3	132.1	42
45	29.6	33.5	51.6	58.7	222.4	50.0	180.2	32.4	54.3	222.4	158.5	97.5	45
48	9.6	43.6	19.1	39.6	137.4	240.0	117.3	34.4	27.2	137.4	137.8	77.6	48
51	1.5	51.4	17.5	25.4	69.4	170.0	83.4	37.8	20.6	69.4	97.8	57.6	51
54	1.5	59.2	4.5	12.5	93.4	40.0	45.8	43.5	7.6	93.4	44.8	44.1	54
57		9.9	1.9	2.2	14.5	30.0	16.6	7.2	2.0	14.5	18.8	10.9	57
60	0.4	16.7	0.9	2.5	15.1	10.0	5.2	12.2	1.6	15.1	6.0	9.0	60
63	0.4	7.1	0.1	2.2	14.2		5.8	5.3	0.9	14.2	4.8	5.5	63
66	0.4	8.1	0.1	2.2	3.1		5.4	6.0	0.9	3.1	4.5	4.4	66
69			1.9		22.6		4.2		1.2	22.6	3.5	3.9	69
72				1.1	22.6		10.0		0.4	22.6	8.3	5.3	72
75				2.2	5.5		1.6		0.9	5.5	1.3	1.2	75
78				1.1			1.6		0.4		1.3	0.5	78
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	5	7	5	3	3	1	3	12	8	3	4	27	
SAMPLING WEIGHT(kg)	889	814	605	355	618	113	706	1703	960	618	819	4100	
No. F.MEASURED	680	696	468	259	385	100	427	1376	727	385	527	3015	
MEAN LENGTH(cm)	38.1	41.1	39.0	41.2	48.5	46.2	45.5	40.3	39.8	48.5	45.7	42.8	
MEAN WEIGHT (g)	479	669	521	625	1092	906	888	617	562	1092	891	750	
DEPTH RANGE (m)	250/466	315/530	333/550	291/739	117/671	89/94	83/279	250/530	291/739	117/671	83/279	83/739	

TABLE IX-B: COD, DIV. 3N, 2013: length composition (0/000) of the 280mm trawl catches.

LENGTH GROUP	JUN	NOV	DEC	2nd Q.	4th Q.	YEAR	LENGTH GROUP
27		14.5			11.2	10.6	27
30		43.5	15.0		37.0	35.2	30
33		65.9	15.0		54.2	51.6	33
36		45.6	97.7		57.6	54.8	36
39	0.9	209.8	330.8	0.9	237.6	225.9	39
42	8.9	188.0	157.9	8.9	181.1	172.6	42
45	9.8	127.8	97.7	9.8	120.9	115.5	45
48	62.1	85.2	120.3	62.1	93.2	91.7	48
51	267.8	111.8	60.2	267.8	99.9	108.2	51
54	303.1	61.3	75.2	303.1	64.5	76.3	54
57	17.5	14.8	7.5	17.5	13.1	13.4	57
60	17.8			17.8		0.9	60
63	52.9	15.4		52.9	11.9	13.9	63
66	23.0	7.9		23.0	6.1	6.9	66
69	71.0	8.2	15.0	71.0	9.7	12.7	69
72	58.3	0.3		58.3	0.2	3.1	72
75	8.9		7.5	8.9	1.7	2.1	75
78	26.7			26.7		1.3	78
81	8.6			8.6		0.4	81
84	8.9			8.9		0.4	84
87	26.4			26.4		1.3	87
90	13.2			13.2		0.7	90
93	0.9			0.9		0.04	93
96	8.9			8.9		0.4	96
99							99
102	4.3			4.3		0.2	102
TOTAL	1000	1000	1000	1000	1000	1000	
No. SAMPLES	3	2	1	3	3	6	
SAMPLING WEIGHT(kg)	499	487	153	499	639	1138	
No. F.MEASURED	132	296	133	132	429	561	
MEAN LENGTH(cm)	60.4	44.9	44.8	60.4	44.9	45.6	
MEAN WEIGHT (g)	2296	855	844	2296	853	924	
DEPTH RANGE (m)	50/67	50/102	60/69	50/67	50/102	50/102	

TABLE X: COD, DIV. 3O, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	MAY	JUN	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
15		0.8							0.4				0.2	15
18		4.1							1.8				0.8	18
21		2.5			1.3	8.6			1.1	1.1	8.6		1.1	21
24	22.2	40.4		3.4	7.9	119.8			30.0	6.6	119.8		18.6	24
27	6.2	58.9		6.1	7.5	333.6	5.0		28.7	6.3	333.6	4.7	25.2	27
30	47.9	55.2	4.6	25.1	21.7	325.1	27.0	12.7	51.0	19.2	325.1	26.2	43.5	30
33	122.9	89.3	11.2	46.2	118.7	154.0	43.1	44.5	108.5	100.0	154.0	43.2	92.7	33
36	179.4	159.4	17.8	58.7	176.9	17.1	102.2	11.9	170.9	149.0	17.1	97.3	143.3	36
39	301.4	267.7	115.8	143.0	229.3	17.1	280.0	116.9	287.0	209.3	17.1	271.0	251.5	39
42	164.9	99.7	168.6	114.5	264.1		115.7	25.0	137.1	244.8		110.7	160.8	42
45	53.0	49.9	105.5	85.7	132.5	2.1	125.3	110.5	51.7	126.9	2.1	124.5	89.8	45
48	38.2	46.5	156.5	59.5	25.5	1.0	163.2	78.7	41.7	46.5	1.0	158.5	67.9	48
51	28.3	61.0	274.0	46.1	14.6		97.2	158.3	42.3	54.9		100.6	57.9	51
54	17.2	13.8	37.1	63.9		4.1	27.6	269.7	15.7	7.7	4.1	40.9	18.5	54
57	12.3	13.4	36.0	52.3			3.1	11.9	12.8	7.1		3.6	8.6	57
60		8.2	11.4	68.3		3.1	4.5	17.9	3.5	3.9	3.1	5.2	4.0	60
63		7.4	14.7	61.7		2.1	0.6	36.6	3.2	4.2	2.1	2.6	3.3	63
66		11.6	12.4	39.4			2.7	24.3	5.0	3.1		3.9	4.0	66
69		3.3	18.9	33.0				18.3	1.4	3.9		1.0	2.1	69
72		4.9	9.3	17.5		2.1	1.4	50.1	2.1	2.0	2.1	4.1	2.5	72
75		1.3	2.2	17.2		1.0	0.7		0.6	0.9	1.0	0.7	0.7	75
78		0.7	1.2	14.7		4.1			0.3	0.7	4.1		0.5	78
81			1.6	6.2		2.1	0.7	6.4		0.4	2.1	1.0	0.4	81
84	6.2		1.2	9.4		1.0		6.4	3.5	0.5	1.0	0.4	1.8	84
87				9.3						0.3			0.1	87
90				15.6		1.0				0.5	1.0		0.2	90
93				3.2		1.0				0.1	1.0		0.1	93
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	8	5	4	4	2	6	2	10	13	2	8	33	
SAMPLING WEIGHT(kg)	190	774	645	459	274	156	1020	289	964	1378	156	1309	3807	
No. F.MEASURED	205	727	443	328	391	138	882	164	932	1162	138	1046	3278	
MEAN LENGTH(cm)	40.6	40.7	49.4	52.4	40.8	31.4	44.1	52.4	40.7	42.5	31.4	44.6	41.8	
MEAN WEIGHT (g)	625	669	1148	1627	596	311	786	1441	644	713	311	822	695	
DEPTH RANGE (m)	407/515	166/650	310/443	368/423	275/350	134/224	124/480	93/128	166/650	275/443	134/224	93/480	93/650	

TABLE XI: REDFISH (*S. mentella*), DIV. 3L, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
11									3.8				0.5	0.3	11
12									3.8				0.5	0.3	12
13									3.8				0.5	0.3	13
14		3.2							8.2		2.5		1.1	0.7	14
15		3.2			4.1	3.4		5.9	27.3		2.5	2.2	8.9	6.3	15
16		3.2				10.1	4.8	23.8	28.8		2.5	5.8	24.5	17.2	16
17					12.4	6.7	4.8	18.9	31.4			7.2	20.6	15.3	17
18	1.6	12.6			8.3	10.1	14.4	45.4	32.9	1.6	9.9	11.4	43.7	31.2	18
19	2.4	13.4			16.5	20.1	9.6	45.7	75.1	2.4	10.5	15.1	49.7	36.3	19
20	2.4	35.5	21.7		37.2	57.0	9.6	83.5	69.8	2.4	28.8	33.8	81.7	63.1	20
21	1.6	117.3	54.3		107.4	164.4	57.4	99.0	118.5	1.6	94.3	109.4	101.6	104.4	21
22	8.8	135.5	87.0		219.0	191.3	81.3	142.9	184.2	8.8	110.0	153.6	148.5	150.1	22
23	8.8	92.3	119.6	8.5	219.0	171.1	47.8	122.1	78.9	8.8	79.3	132.6	116.2	122.1	23
24	1.6	73.2	108.7		90.9	83.9	71.8	80.4	51.8	1.6	62.4	80.6	76.5	77.9	24
25	48.1	83.4	108.7	33.9	62.0	43.6	134.0	42.4	35.5	48.1	76.2	83.6	41.5	57.6	25
26	34.4	125.2	54.3	8.5	12.4	20.1	157.9	78.0	14.4	34.4	101.9	73.2	69.3	70.9	26
27	77.7	84.2	130.4	76.3	49.6	36.9	86.1	46.1	31.7	77.7	85.0	59.3	44.1	50.1	27
28	20.8	87.3	108.7	67.8	16.5	10.1	90.9	64.4	67.4	20.8	85.0	43.6	64.8	56.8	28
29	61.7	44.8	108.7	127.1	20.7	6.7	19.1	20.3	39.6	61.7	61.9	14.7	22.9	20.0	29
30	159.5	13.4	65.2	245.8	37.2	10.1	38.3	14.7	46.5	159.5	55.5	27.2	19.0	22.5	30
31	244.4	35.5	32.6	118.6	24.8	60.4	81.3	13.5	15.6	244.4	49.5	60.9	13.8	32.2	31
32	162.7	19.7		25.4	24.8	30.2	38.3	17.0	7.7	162.7	19.7	32.2	15.7	22.2	32
33	25.6	7.1		59.3	12.4	43.6	9.6	26.3	0.2	25.6	15.7	23.2	22.8	22.9	33
34	72.1	10.2		101.7	20.7	3.4	14.4	6.6	11.5	72.1	25.4	11.5	7.3	9.1	34
35	20.8			50.8	4.1	3.4	9.6		7.7	20.8	8.7	6.0	1.0	3.0	35
36	12.8			16.9		10.1	14.4	3.3		12.8	2.9	9.6	2.8	5.4	36
37	6.4						4.8			6.4		1.9		0.7	37
38	19.2			16.9		3.4			3.8	19.2	2.9	1.3	0.5	0.9	38
39	6.4			16.9						6.4	2.9			0.02	39
40				16.9							2.9			0.02	40
41				8.5							1.4			0.01	41
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	2	1	1	1	1	1	2	2	2	4	3	4	13	
SAMPLING WEIGHT(kg)	97	80	24	49	79	94	68	160	122	97	152	241	283	772	
No. F.MEASURED	233	220	92	118	242	298	209	530	434	233	430	749	964	2376	
MEAN LENGTH(cm)	30.9	25.2	26.2	31.4	24.5	24.5	26.7	23.9	23.3	30.9	26.3	25.4	23.8	24.5	
MEAN WEIGHT (g)	391	228	248	410	212	217	269	202	191	391	260	237	201	215	
DEPTH RANGE (m)	445/958	366/433	833/857	892/943	303/334	296/345	334/350	290/385	227/307	445/958	366/943	296/350	227/385	227/958	

TABLE XII: REDFISH (*S. mentella*), DIV. 3M, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	MAY	JUN	JUL	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
11	1.9									0.5				0.1	11
12	1.5									0.4				0.1	12
13	5.7	1.3					1.0	7.9		2.5		0.1	7.4	0.7	13
14	11.2						2.5			3.0		0.1		0.6	14
15	20.9	1.3	0.1			3.9		7.9		6.6	0.1	3.7	7.4	3.1	15
16	14.5	6.9	2.0		1.2	10.7	13.2	7.9	6.4	8.9	1.5	10.9	7.8	7.4	16
17	23.4	12.5	2.5		7.3	16.4	17.7			12.7	15.4	3.7	16.5	0.7	17
18	29.7	15.3	4.6		14.4	30.0	16.9	31.5	19.1	19.2	7.2	29.2	30.8	20.5	18
19	56.3	43.0	24.0		12.9	46.1	41.7	23.6	12.7	46.6	17.7	45.8	23.0	36.0	19
20	72.5	19.8	7.8	11.5	38.7	50.3	31.1	31.5	38.2	33.8	18.1	49.2	31.9	35.9	20
21	146.8	46.8	55.6	46.0	82.7	107.0	108.2	47.2	51.0	73.5	63.2	107.1	47.5	85.1	21
22	188.4	79.9	56.0	92.0	160.3	180.2	175.7	78.7	95.5	108.8	93.6	179.9	79.7	136.5	22
23	132.6	70.3	77.9	137.9	101.2	151.0	162.0	47.2	51.0	86.9	92.3	151.6	47.5	117.8	23
24	49.8	92.6	52.9	137.9	100.1	67.2	61.0	70.9	70.1	81.2	77.8	66.8	70.8	72.9	24
25	39.8	81.8	80.2	92.0	27.0	50.0	38.1	70.9	31.8	70.6	64.5	49.3	68.6	58.5	25
26	31.0	79.6	88.4	114.9	52.3	55.7	40.5	70.9	57.3	66.7	79.8	54.9	70.1	65.5	26
27	21.5	112.8	102.0	103.4	31.1	22.8	47.3	63.0	114.6	88.5	79.4	24.2	66.0	54.3	27
28	24.4	102.4	94.6	137.9	46.6	50.7	19.4	94.5	191.1	81.6	84.1	48.9	100.2	67.7	28
29	24.1	83.1	130.0	57.5	24.1	24.6	39.1	47.2	82.8	67.4	87.6	25.4	49.3	53.4	29
30	21.3	65.2	47.1	34.5	123.8	34.3	60.6	78.7	38.2	53.5	70.3	35.8	76.4	51.4	30
31	15.0	42.0	13.1	11.5	82.4	28.5	44.0	94.5	51.0	34.9	35.2	29.4	91.9	34.5	31
32	29.3	19.6	31.3		43.3	26.5	34.1	55.1	25.5	22.2	31.6	26.9	53.4	28.6	32
33	16.1	9.9	37.6	11.5	14.4	10.7	10.7	23.6	12.7	11.5	27.2	10.7	23.0	16.6	33
34	10.6	8.0	19.1	11.5	23.4	13.2		31.5	12.7	8.7	19.6	12.5	30.4	14.8	34
35	3.4	4.0	28.0		3.8	7.1	15.9	7.9	19.1	3.9	17.0	7.6	8.5	10.1	35
36	4.3	0.7	18.0		9.2	4.3	15.7		6.4	1.6	13.1	4.9	0.4	6.9	36
37	2.6	0.4	9.0			6.4		7.9		1.0	5.1	6.1	7.4	5.0	37
38	1.5	0.4	9.0			2.1	3.7			0.7	5.1	2.2		2.8	38
39			9.0								5.1			1.7	39
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	10	5	4	1	3	3	3	1	1	15	8	6	2	31	
SAMPLING WEIGHT(kg)	667	217	209	22	131	203	143	40	72	884	362	346	111	1703	
No. F.MEASURED	1819	580	466	87	405	567	534	127	157	2399	958	1101	284	4742	
MEAN LENGTH(cm)	23.4	26.1	27.6	26.0	26.2	24.5	25.0	26.8	26.6	25.3	26.9	24.5	26.8	25.5	
MEAN WEIGHT (g)	195	260	314	250	269	221	236	291	279	243	292	222	291	251	
DEPTH RANGE (m)	362/511	366/482	364/508	576/576	190/351	240/290	261/441	488/490	194/198	362/511	190/576	240/441	194/490	190/576	

TABLE XIII: REDFISH (*S. mentella*), DIV. 3N, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	MAY	JUN	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
10	0.2								0.1				0.1	10
11	3.0						20.0		1.0			14.4	2.2	11
12	1.9						20.0	3.3	0.7			15.3	2.0	12
13	6.3	31.4					70.0	3.3	22.7			51.2	22.6	13
14	10.3	15.7	6.7				50.0	9.8	13.8	3.7		38.7	14.9	14
15	13.5		13.5		4.7	4.5	80.0	3.3	4.7	8.7	4.5	58.4	10.4	15
16	30.7	15.7	6.7		4.7	27.3	60.0	26.1	20.9	5.0	27.3	50.5	22.2	16
17	39.0	31.4	27.4		9.3	27.3	40.0	42.3	34.1	17.6	27.3	40.7	32.8	17
18	57.0	31.6	26.9		9.3	45.5	60.0	97.7	40.4	17.4	45.5	70.6	40.9	18
19	72.7	126.1	26.9		14.0	90.9	170.0	94.5	107.5	18.7	90.9	148.8	101.5	19
20	128.7	94.7	101.5	61.7	69.8	122.7	240.0	169.4	106.5	85.8	122.7	220.1	115.5	20
21	141.6	126.4	115.0	74.1	60.5	172.7	110.0	205.2	131.7	92.6	172.7	136.8	128.5	21
22	193.8	267.9	156.9	37.0	162.8	209.1	40.0	172.6	242.1	138.2	209.1	77.3	214.1	22
23	125.9	33.1	270.8	148.1	246.5	118.2	40.0	94.5	65.5	243.1	118.2	55.3	84.9	23
24	43.1	79.5	81.1	148.1	144.2	59.1		35.8	66.8	110.4	59.1	10.1	66.0	24
25	30.6	48.1	46.4	61.7	60.5	40.9		13.0	42.0	53.0	40.9	3.7	39.4	25
26	19.0	63.9	32.5	135.8	32.6	36.4		13.0	48.2	50.0	36.4	3.7	43.9	26
27	9.7	16.6	9.8	74.1	18.6	31.8		3.3	14.2	23.2	31.8	0.9	14.2	27
28	16.1	16.4	23.2	135.8	32.6			9.8	16.3	45.0		2.7	17.9	28
29	25.8	0.6	19.0	74.1	60.5	9.1		3.3	9.4	40.1	9.1	0.9	11.9	29
30	10.6	0.2	27.4	37.0	27.9	4.5			3.8	29.2	4.5		6.3	30
31	10.0	0.3	7.2	12.3	23.3				3.7	12.6			4.3	31
32	4.2	0.1	0.5		14.0				1.5	4.2			1.7	32
33	2.3	0.1	0.5		4.7				0.9	1.6			0.9	33
34	2.3								0.8				0.6	34
35	0.4								0.1				0.1	35
36	1.1								0.4				0.3	36
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	5	2	2	1	1	1	1	1	7	4	1	2	14	
SAMPLING WEIGHT(kg)	338	30	73	20	42	64	10	39	367	136	64	49	616	
No. F.MEASURED	1452	148	217	81	215	220	100	307	1600	513	220	407	2740	
MEAN LENGTH(cm)	22.0	21.8	23.0	25.6	24.3	22.1	18.6	21.1	21.9	23.8	22.1	19.3	21.8	
MEAN WEIGHT (g)	159	153	176	233	205	156	102	138	155	194	156	112	155	
DEPTH RANGE (m)	300/565	329/369	333/586	268/304	291/293	208/227	109/121	67/179	300/565	268/586	208/227	67/179	67/586	

TABLE XIV: REDFISH (*S. mentella*), DIV. 3O, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	MAY	JUN	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
7			2.5							0.3			0.1	7
8			3.4							0.4			0.1	8
9	3.1		4.2						0.5	0.5			0.3	9
10			0.8							0.1			0.0	10
11	10.8	4.3	0.8						5.3	0.1			1.2	11
12	9.3	2.2	2.5				5.8		3.2	0.3		5.8	2.4	12
13	15.7	4.3	6.8			4.9	11.7	9.3	6.0	0.7	4.9	11.7	5.4	13
14	14.1		5.9			14.6	17.5	4.6	2.1	0.6	14.6	17.4	7.4	14
15	23.2	19.0	9.1			24.3	35.1	27.8	19.7	1.0	24.3	35.0	17.5	15
16	45.2	42.4	12.7		20.0	53.4	58.5	27.8	42.8	13.8	53.4	58.2	37.7	16
17	48.3	55.3	11.0		40.0	48.5	111.1	50.9	54.3	26.0	48.5	110.5	58.2	17
18	107.0	103.3	11.7		20.0	92.2	193.0	92.6	103.9	13.7	92.2	192.0	92.7	18
19	122.6	153.5	27.4	11.5	60.0	131.1	175.4	162.0	148.9	43.3	131.1	175.3	114.6	19
20	185.0	180.3	34.5	92.0	220.0	203.9	157.9	203.7	181.0	165.3	203.9	158.4	172.2	20
21	184.7	169.5	58.1	114.9	240.0	208.7	111.1	208.3	171.8	186.5	208.7	112.1	166.1	21
22	112.4	128.4	70.1	57.5	200.0	140.8	52.6	101.9	126.0	147.3	140.8	53.1	116.2	22
23	54.7	75.7	73.4	46.0	60.0	38.8	35.1	27.8	72.6	57.6	38.8	35.0	52.3	23
24	18.7	37.2	86.0	92.0	40.0	14.6	17.5	37.0	34.4	59.1	14.6	17.7	36.3	24
25	7.8	12.1	82.9	114.9	20.0	19.4	11.7	4.6	11.5	52.6	19.4	11.6	27.8	25
26	21.8	10.4	95.2	80.5	20.0		5.8	23.1	12.1	44.5		6.0	20.8	26
27	12.4	2.2	82.5	126.4	20.0	4.9		9.3	3.7	55.7	4.9	0.1	22.1	27
28			79.9	126.4	40.0			9.3		67.8		0.1	25.1	28
29	3.1		81.3	103.4					0.5	36.9			13.7	29
30			45.2	11.5						8.0			2.9	30
31			40.2	11.5						7.4			2.7	31
32			4.0							0.4			0.2	32
33			23.1	11.5						5.6			2.1	33
34			8.1							0.9			0.3	34
35			8.1							0.9			0.3	35
36			4.0							0.4			0.2	36
37			12.1							1.3			0.5	37
38			4.0							0.4			0.2	38
39			4.0							0.4			0.2	39
40			4.0							0.4			0.2	40
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	2	3	1	1	1	1	1	4	5	1	2	12	
SAMPLING WEIGHT(kg)	72	52	139	22	7	49	23	59	124	168	49	82	423	
No. F.MEASURED	435	297	411	87	50	206	171	216	732	548	206	387	1873	
MEAN LENGTH(cm)	20.3	20.6	25.8	25.5	21.9	20.4	19.4	20.6	20.5	23.3	20.4	19.5	21.2	
MEAN WEIGHT (g)	121	124	265	241	150	121	105	126	124	187	121	106	142	
DEPTH RANGE (m)	407/515	292/390	310/460	422/423	267/298	345/481	130/291	93/96	292/515	267/460	345/481	93/291	93/515	

TABLE XV: REDFISH (*S. marinus*), DIV. 3M, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUN	JUL	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
15				0.8				0.7			0.3	15
16		0.1		1.6	3.9			1.4	3.9		2.7	16
17	0.5			6.6	7.1		0.5	5.9	7.1		6.3	17
18	5.3	8.8		9.3	13.8		5.3	9.0	13.8		11.4	18
19	9.3	30.3		20.5	21.5		9.3	21.1	21.5		20.7	19
20	12.6	29.8		20.6	26.6		12.6	21.2	26.6		23.7	20
21	27.0	35.5		49.8	33.5	7.4	27.0	47.4	33.5	7.4	38.8	21
22	32.1	50.1		73.7	86.2	7.4	32.1	70.0	86.2	7.4	77.0	22
23	48.3	42.7	23.0	52.2	66.2	29.4	48.3	50.7	66.2	29.4	58.9	23
24	72.8	69.6	34.5	33.5	66.3	14.7	72.8	37.2	66.3	14.7	54.2	24
25	82.0	112.2	114.9	90.8	61.2	36.8	82.0	93.4	61.2	36.8	75.0	25
26	84.7	81.5	126.4	122.5	45.5	36.8	84.7	118.5	45.5	36.8	76.9	26
27	77.2	64.3	126.4	106.3	47.5	14.7	77.2	102.4	47.5	14.7	70.9	27
28	71.7	75.7	69.0	100.5	92.1	44.1	71.7	97.4	92.1	44.1	93.2	28
29	75.4	74.9	57.5	39.7	75.5	44.1	75.4	43.6	75.5	44.1	62.2	29
30	85.2	47.4	46.0	68.4	67.2	125.0	85.2	65.9	67.2	125.0	67.7	30
31	49.5	53.1	11.5	52.7	100.7	139.7	49.5	52.0	100.7	139.7	79.1	31
32	50.0	40.6	23.0	56.5	78.1	183.8	50.0	54.3	78.1	183.8	68.0	32
33	49.0	50.0	46.0	39.5	35.5	169.1	49.0	40.7	35.5	169.1	39.0	33
34	24.8	28.3	57.5	24.9	13.6	66.2	24.8	25.8	13.6	66.2	19.4	34
35	47.2	26.9		10.9	14.4	36.8	47.2	12.4	14.4	36.8	14.9	35
36	13.5	25.6	34.5	3.9	6.9	14.7	13.5	6.6	6.9	14.7	7.1	36
37	31.1	18.5	57.5	3.2	9.8	7.4	31.1	5.7	9.8	7.4	8.9	37
38	17.5	17.9	57.5	6.7	13.9	14.7	17.5	8.8	13.9	14.7	11.9	38
39	7.1	9.1	23.0	2.4		7.4	7.1	3.5		7.4	1.7	39
40	7.1	5.8		1.6	9.8		7.1	2.0	9.8		6.4	40
41	11.2	1.4	11.5	0.8	3.2		11.2	1.1	3.2		2.6	41
42	0.5						0.5				0.02	42
43	2.0		34.5				2.0	0.6			0.3	43
44	5.5		11.5				5.5	0.2			0.3	44
45												45
46			11.5					0.2			0.1	46
47												47
48			23.0					0.4			0.2	48
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	7	7	1	4	4	1	7	12	4	1	24	
SAMPLING WEIGHT(kg)	240	226	46	247	282	80	240	519	282	80	1120	
No. F.MEASURED	642	636	87	629	584	136	642	1352	584	136	2714	
MEAN LENGTH(cm)	29.2	28.1	31.5	27.3	27.8	31.4	29.2	27.5	27.8	31.4	27.7	
MEAN WEIGHT (g)	368	329	506	289	313	439	368	297	313	439	310	
DEPTH RANGE (m)	366/510	283/508	464/472	190/351	240/290	194/198	366/510	190/508	240/290	194/198	190/510	

TABLE XVI: AMERICAN PLAICE, DIV. 3L, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	JUL	AUG	SEP	OCT	NOV	1st Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
18		18.5	15.6			4.7		14.3	1.1	5.5	18
20		39.7	57.9					43.4		14.8	20
22	4.8	76.8	77.1		20.8	9.3	4.8	65.6	18.0	32.8	22
24		88.0	221.4		13.9	31.1		145.2	18.1	59.5	24
26	9.6	194.1	113.8	9.8	70.8	33.8	9.6	124.7	61.7	77.4	26
28	52.6	423.6	279.7	14.8	88.1	60.6	52.6	287.7	81.3	148.5	28
30	47.8	117.2	153.1	56.6	138.5	164.9	47.8	127.1	145.0	128.2	30
32	129.2	17.4	47.6	73.9	187.3	257.2	129.2	41.6	204.5	140.7	32
34	220.1	14.3	31.5	91.6	240.9	92.3	220.1	34.7	204.2	148.2	34
36	205.7	10.4	1.2	202.7	92.1	83.4	205.7	33.9	90.0	83.6	36
38	43.1		1.2	252.4	43.5	121.5	43.1	37.8	62.7	52.1	38
40	43.1			81.5	46.9	104.8	43.1	12.0	61.2	42.4	40
42	114.8			152.6	47.1	31.4	114.8	22.5	43.2	44.0	42
44	76.6			47.0	10.1	5.0	76.6	6.9	8.8	15.6	44
46	23.9			12.3			23.9	1.8		3.3	46
48	4.8			4.9			4.8	0.7		0.8	48
50	9.6						9.6			1.1	50
52	4.8						4.8			0.5	52
54	4.8						4.8			0.5	54
56	4.8						4.8			0.5	56
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	1	3	3	2	3	3	1	8	6	15	
SAMPLING WEIGHT(kg)	121	56	77	124	122	140	121	257	262	639	
No. F.MEASURED	209	309	366	262	276	306	209	937	582	1728	
MEAN LENGTH(cm)	37.4	27.8	27.5	38.3	33.7	34.3	37.4	29.2	33.8	32.6	
MEAN WEIGHT (g)	475	185	182	492	340	360	475	228	345	320	
DEPTH RANGE (m)	945/958	279/348	273/322	255/338	257/385	233/287	945/958	255/348	233/385	233/958	

TABLE XVII: AMERICAN PLAICE, DIV. 3M, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	JUN	JUL	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
18		9.7						9.7			0.9	18
20		25.4		7.0		7.0		25.4			3.6	20
22	4.8	62.8	31.7	10.7	40.0	28.0	4.8	62.8	27.5	32.5	26.3	22
24		73.7	23.8	20.2	40.0	76.9		73.7	23.0	62.9	28.4	24
26	27.0	201.0	70.4	53.4	80.0	90.9	27.0	201.0	67.0	86.8	72.9	26
28	94.4	303.4	93.8	53.0	40.0	83.9	94.4	303.4	85.8	67.2	104.1	28
30	138.4	204.7	85.3	68.9	280.0	132.9	138.4	204.7	82.1	188.8	121.6	30
32	173.4	83.1	280.8	162.2	160.0	181.8	173.4	83.1	257.5	173.5	210.6	32
34	89.0	30.3	101.4	140.9	40.0	167.8	89.0	30.3	109.2	119.3	99.2	34
36	66.1	6.0	152.3	127.3	120.0	90.9	66.1	6.0	147.4	102.0	109.9	36
38	16.9		121.9	142.1	100.0	97.9	16.9		125.9	98.7	86.3	38
40	73.9		7.9	165.8	60.0	14.0	73.9		39.0	31.5	42.2	40
42	112.8		23.2	13.1	20.0	21.0	112.8		21.2	20.6	39.7	42
44	50.0		7.6	25.8	20.0	7.0	50.0		11.2	11.9	19.0	44
46	28.4			4.8			28.4		0.9		6.9	46
48	40.0			4.8			40.0		0.9		9.4	48
50	58.2						58.2				13.0	50
52												52
54	13.3						13.3				3.0	54
56	13.3						13.3				3.0	56
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	3	2	2	3	1	1	3	2	5	2	12	
SAMPLING WEIGHT(kg)	111	76	78	187	18	79	111	76	265	97	549	
No. F.MEASURED	192	183	129	311	50	143	192	183	440	193	1008	
MEAN LENGTH(cm)	37.7	28.6	33.5	35.5	33.2	32.6	37.7	28.6	33.9	32.8	34.1	
MEAN WEIGHT (g)	555	207	351	428	346	325	555	207	366	333	389	
DEPTH RANGE (m)	367/490	263/275	268/278	203/302	210/387	194/198	367/490	263/275	203/302	194/387	194/490	

TABLE XVIII-A: AMERICAN PLAICE, DIV. 3N, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
14			3.4					3.4			0.2	14
16		2.3	3.4				2.1	3.4			1.1	16
18		7.2	14.0				6.7	14.0			3.5	18
20	13.7	32.4	31.4	7.1		2.6	31.2	31.4	7.1	2.5	16.2	20
22	13.7	46.3	80.0	21.4		3.1	44.2	80.0	21.4	2.9	24.6	22
24	13.7	96.5	135.0	28.6	7.7	8.2	91.1	135.0	28.6	8.2	50.1	24
26	47.9	162.3	128.9	64.3	7.7	61.3	154.8	128.9	64.3	57.7	102.8	26
28	34.2	179.1	150.8	100.0	7.7	48.2	169.6	150.8	100.0	45.5	104.7	28
30	198.6	159.5	212.4	214.3	23.1	105.5	162.1	212.4	214.3	100.0	134.3	30
32	54.8	104.8	203.6	221.4	53.8	232.3	101.5	203.6	221.4	220.4	168.7	32
34	157.5	61.3	25.5	121.4	69.2	171.3	67.6	25.5	121.4	164.5	115.5	34
36	198.6	36.9	5.8	150.0	300.0	110.2	47.5	5.8	150.0	122.9	85.6	36
38	184.9	29.7	5.8	42.9	292.3	88.4	39.8	5.8	42.9	102.0	69.6	38
40	34.2	40.1		7.1	169.2	104.5	39.7		7.1	108.8	72.0	40
42	41.1	16.0		7.1	46.2	35.2	17.7		7.1	35.9	25.8	42
44	6.8	18.6		14.3	23.1	26.4	17.9		14.3	26.2	21.1	44
46		7.1				2.3	6.6			2.1	3.9	46
48												48
50						0.5				0.4	0.2	50
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	1	6	3	1	1	3	7	3	1	4	15	
SAMPLING WEIGHT(kg)	62	344	128	77	80	234	406	128	77	314	925	
No. F.MEASURED	146	808	272	140	130	505	954	272	140	635	2001	
MEAN LENGTH(cm)	34.8	30.5	28.7	32.7	38.0	35.0	30.8	28.7	32.7	35.2	32.9	
MEAN WEIGHT (g)	375	263	209	307	475	380	270	209	307	386	326	
DEPTH RANGE (m)	490/493	315/530	345/550	117/125	96/128	83/279	315/530	345/550	117/125	83/279	83/550	

TABLE XVIII-B: AMERICAN PLAICE, DIV. 3N, 2013: length composition (0/000) of the 280mm trawl catches:

LENGTH GROUP	JUN	NOV	DEC	2nd Q.	4th Q.	YEAR	LENGTH GROUP
20	6.4	1.8		6.4	1.2	3.2	20
22	10.9	12.3	5.5	10.9	10.2	10.5	22
24	10.3	22.8	16.5	10.3	20.9	17.0	24
26	57.7	36.9	11.0	57.7	29.1	39.8	26
28	51.5	52.6	27.5	51.5	45.0	47.4	28
30	53.8	91.2	44.0	53.8	76.9	68.3	30
32	83.1	105.4	142.9	83.1	116.8	104.2	32
34	137.3	171.6	197.8	137.3	179.6	163.8	34
36	167.5	161.2	93.4	167.5	140.6	150.6	36
38	183.9	105.3	60.4	183.9	91.7	126.1	38
40	94.8	45.8	54.9	94.8	48.5	65.8	40
42	66.5	93.2	54.9	66.5	81.6	76.0	42
44	24.2	21.1	87.9	24.2	41.4	35.0	44
46	16.2	28.0	33.0	16.2	29.5	24.6	46
48	13.5	15.8	16.5	13.5	16.0	15.1	48
50	12.1	15.8	33.0	12.1	21.0	17.7	50
52	3.6	5.3	38.5	3.6	15.3	11.0	52
54	6.1	14.0	60.4	6.1	28.1	19.9	54
56			11.0		3.3	2.1	56
58							58
60	0.1		5.5	0.1	1.7	1.1	60
62	0.1		5.5	0.1	1.7	1.1	62
TOTAL	1000	1000	1000	1000	1000	1000	
No. SAMPLES	4	2	1	4	3	7	
SAMPLING WEIGHT(kg)	307	204	95	307	299	606	
No. F.MEASURED	560	380	182	560	562	1122	
MEAN LENGTH(cm)	36.7	36.6	39.7	36.7	37.5	37.2	
MEAN WEIGHT (g)	452	453	609	452	500	482	
DEPTH RANGE (m)	50/66	50/102	60/69	50/66	50/102	50/102	

TABLE XIX: AMERICAN PLAICE, DIV. 30, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	MAY	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
14		2.7						1.3				1.0	14
16		8.0						3.9				3.0	16
18	5.3	27.5						16.1				12.6	18
20	23.9	55.0			8.4	5.1	10.9	39.1		8.4	8.5	32.2	20
22	20.0	46.7			16.1	10.1	16.4	33.0		16.1	13.8	28.6	22
24	47.1	72.2			125.2	28.3	49.2	59.3		125.2	40.4	56.3	24
26	51.7	103.6	15.0		136.3	49.5	46.2	77.0	14.5	136.3	47.6	71.9	26
28	85.5	161.7	38.2	12.8	71.4	91.1	81.5	122.6	37.3	71.4	85.5	113.1	28
30	106.5	128.2	7.5	51.3	178.0	102.0	118.8	117.1	9.1	178.0	111.7	115.1	30
32	198.1	97.0	76.4	25.6	147.5	204.1	222.7	148.8	74.6	147.5	214.9	158.3	32
34	154.4	77.0	177.3	76.9	111.2	102.1	181.8	116.7	173.7	111.2	148.4	123.3	34
36	56.2	27.6	215.1	153.8	96.9	128.2	158.5	42.2	212.9	96.9	145.8	65.1	36
38	115.4	70.9	153.0	217.9	76.5	153.7	33.8	93.7	155.3	76.5	84.1	93.1	38
40	52.8	15.3	156.7	192.3	24.9	46.5	53.7	34.5	157.9	24.9	50.7	39.9	40
42	31.0	44.0	74.0	153.8		42.4	15.9	37.3	76.9		27.0	35.6	42
44	5.3	37.0	4.5	64.1	3.8	12.0	10.4	20.7	6.6	3.8	11.1	18.4	44
46	17.6	13.0	11.4	25.6	3.8	11.1		15.3	11.9	3.8	4.6	13.2	46
48	26.7	5.1	45.7			11.1		16.1	44.1		4.6	14.4	48
50	1.4	1.4	8.2	12.8		3.0		1.4	8.3		1.3	1.5	50
52		1.8	15.0					0.9	14.5			1.0	52
54	1.4	0.3	0.6					0.9	0.6			0.7	54
56		3.7	0.6	12.8				1.8	1.1			1.4	56
58		0.3						0.2				0.1	58
60													60
62													62
64													64
66			0.6						0.6			0.01	66
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	3	2	1	2	2	2	5	3	2	4	14	
SAMPLING WEIGHT(kg)	204	271	138	40	102	133	121	475	178	102	254	1008	
No. F.MEASURED	403	512	209	78	247	218	226	915	287	247	444	1893	
MEAN LENGTH(cm)	33.9	31.3	38.3	39.7	31.6	34.7	33.4	32.7	38.4	31.6	33.9	33.0	
MEAN WEIGHT (g)	363	303	504	546	286	378	331	333	505	286	351	339	
DEPTH RANGE (m)	150/365	374/650	410/594	194/195	134/224	130/394	93/128	150/650	194/594	134/224	93/394	93/650	

TABLE XX-A: YELLOWTAIL FLOUNDER, DIV. 3N, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	SEP	OCT	3rd Q.	4th Q.	YEAR	LENGTH GROUP
22	17.2	21.3	17.2	21.3	19.3	22
24	51.7	21.3	51.7	21.3	36.2	24
26	25.9	49.6	25.9	49.6	38.0	26
28	51.7	42.6	51.7	42.6	47.0	28
30	258.6	148.9	258.6	148.9	202.5	30
32	155.2	177.3	155.2	177.3	166.5	32
34	137.9	234.0	137.9	234.0	187.1	34
36	163.8	141.8	163.8	141.8	152.6	36
38	25.9	99.3	25.9	99.3	63.4	38
40	77.6	7.1	77.6	7.1	41.5	40
42	34.5	42.6	34.5	42.6	38.6	42
44		7.1		7.1	3.6	44
46		7.1		7.1	3.6	46
TOTAL	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	1	1	2	
SAMPLING WEIGHT(kg)	50	76	50	76	125	
No. F.MEASURED	116	141	116	141	257	
MEAN LENGTH(cm)	33.6	34.1	33.6	34.1	33.9	
MEAN WEIGHT (g)	351	369	351	369	360	
DEPTH RANGE (m)	117/125	96/128	117/125	96/128	96/128	

TABLE XX-B: YELLOWTAIL FLOUNDER, DIV. 3N, 2013: length composition (0/000) of the 280mm trawl catches.

LENGTH GROUP	JUN	NOV	2nd Q.	4th Q.	YEAR	LENGTH GROUP
18	5.8	11.8	5.8	11.8	7.9	18
20		82.4		82.4	28.6	20
22		35.3		35.3	12.2	22
24	11.6	58.8	11.6	58.8	28.0	24
26	52.3	23.5	52.3	23.5	42.3	26
28	46.5	164.7	46.5	164.7	87.5	28
30	151.2	235.3	151.2	235.3	180.3	30
32	64.0	141.2	64.0	141.2	90.7	32
34	180.2	58.8	180.2	58.8	138.1	34
36	220.9	35.3	220.9	35.3	156.6	36
38	64.0	94.1	64.0	94.1	74.4	38
40	46.5	23.5	46.5	23.5	38.5	40
42	75.6	35.3	75.6	35.3	61.6	42
44	69.8		69.8		45.6	44
46	5.8		5.8		3.8	46
48	5.8		5.8		3.8	48
TOTAL	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	1	1	2	
SAMPLING WEIGHT(kg)	77	33	77	33	110	
No. F.MEASURED	172	85	172	85	257	
MEAN LENGTH(cm)	35.8	31.1	35.8	31.1	34.2	
MEAN WEIGHT (g)	440	287	440	287	387	
DEPTH RANGE (m)	47/53	40/42	47/53	40/42	40/53	

TABLE XX: GREENLAND HALIBUT, DIV. 3L, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUN	JUL	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
22					3.5					3.5		0.6	22
24				6.7	16.5				5.8	16.5		4.7	24
26				6.7	26.0	4.0	0.3		5.8	26.0	1.4	7.0	26
28	4.9			16.6	56.4	9.8	5.5	4.9	14.5	56.4	6.7	17.8	28
30	14.7			10.0	80.6	26.6	19.5	14.7	8.7	80.6	21.6	27.6	30
32	28.7			68.7	66.5	57.0	40.9	28.7	60.0	66.5	45.7	51.5	32
34	28.5			55.0	103.1	36.6	48.6	28.5	48.1	103.1	45.1	54.3	34
36	64.6	22.7	21.5	45.4	67.6	150.6	99.0	64.6	42.5	67.6	114.3	77.9	36
38	65.1	34.1	43.0	120.0	121.3	134.5	157.0	65.1	109.3	121.3	150.4	121.6	38
40	82.9		53.8	150.5	144.4	193.3	118.1	82.9	132.2	144.4	140.4	131.0	40
42	117.9	125.0	172.0	77.8	138.5	89.9	53.7	117.9	84.3	138.5	64.4	90.9	42
44	94.8	159.1	86.0	134.0	48.4	96.4	140.0	94.8	136.3	48.4	127.1	111.2	44
46	88.3	159.1	139.8	92.6	32.9	62.1	54.3	88.3	100.7	32.9	56.6	69.6	46
48	104.4	90.9	86.0	55.4	5.2	51.6	51.7	104.4	59.8	5.2	51.7	52.6	48
50	92.2	34.1	118.3	40.9	46.8	34.2	68.4	92.2	41.1	46.8	58.3	55.6	50
52	58.1	45.5	107.5	57.5	12.1	17.0	65.4	58.1	56.8	12.1	51.1	46.6	52
54	36.5	34.1	75.3	20.0	23.4	12.0	37.2	36.5	22.2	23.4	29.7	27.2	54
56	50.0	102.3	21.5	17.0	4.3	11.9	11.0	50.0	26.7	4.3	11.3	19.7	56
58	25.1	34.1	10.8	5.2	0.9	7.0	16.7	25.1	8.5	0.9	13.8	11.4	58
60	23.3	45.5		8.5	1.7	3.6	7.4	23.3	12.6	1.7	6.3	9.6	60
62	11.1	34.1	21.5	11.8		1.9	3.9	11.1	14.5		3.3	7.0	62
64	7.2	22.7	10.8				1.1	7.2	2.7		0.8	2.1	64
66	1.9	34.1	10.8				0.3	1.9	4.0		0.2	1.5	66
68		11.4							1.3			0.4	68
70			10.8						0.1			0.04	70
72													72
74													74
76		11.4							1.3			0.4	76
78													78
80													80
82													82
84													84
86													86
88													88
90													90
92			10.8						0.1			0.04	92
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	4	1	1	2	2	4	5	4	4	2	9	19	
SAMPLING WEIGHT(kg)	318	103	100	209	272	747	1064	318	411	272	1810	2812	
No. F.MEASURED	328	88	93	265	498	873	1081	328	446	498	1954	3226	
MEAN LENGTH(cm)	46.3	50.8	49.0	43.1	38.9	41.5	43.5	46.3	44.0	38.9	42.9	43.0	
MEAN WEIGHT (g)	957	1279	1152	768	570	673	792	957	831	570	756	771	
DEPTH RANGE (m)	1005/1384	1096/1113	833/857	1179/1313	877/1015	806/1237	927/1404	1005/1384	833/1313	877/1015	806/1404	806/1404	

TABLE XXII: GREENLAND HALIBUT, DIV. 3M, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	MAY	JUN	JUL	1st Q.	2nd Q.	3rd Q.	YEAR	LENGTH GROUP
18				3.3			3.3	0.4	18
20				5.6			5.6	0.6	20
22				21.7			21.7	2.4	22
24			14.9	43.8		5.3	43.8	7.0	24
26			19.8	62.7		7.1	62.7	9.8	26
28			39.6	73.1		14.1	73.1	13.8	28
30	0.4		69.3	49.1	0.4	24.7	49.1	15.7	30
32	2.0		94.1	95.4	2.0	33.6	95.4	25.2	32
34	21.1		118.8	21.3	21.1	42.4	21.3	29.9	34
36	15.1	20.8	44.6	147.1	15.1	29.3	147.1	35.5	36
38	46.5	93.8	188.1	62.2	46.5	127.4	62.2	81.4	38
40	80.0	197.9	158.4	69.2	80.0	183.8	69.2	121.4	40
42	170.0	166.7	79.2	101.2	170.0	135.5	101.2	148.2	42
44	186.0	239.6	104.0	112.3	186.0	191.2	112.3	180.0	44
46	158.9	93.8	29.7	40.6	158.9	70.9	40.6	109.8	46
48	106.7	52.1	9.9	19.4	106.7	37.0	19.4	68.5	48
50	119.6	52.1	14.9	39.1	119.6	38.8	39.1	77.6	50
52	28.3	10.4	9.9	10.4	28.3	10.2	10.4	18.9	52
54	32.7	20.8	5.0	13.8	32.7	15.2	13.8	23.4	54
56	13.9			5.2	13.9		5.2	7.2	56
58	14.0	20.8		3.3	14.0	13.4	3.3	12.6	58
60	2.3	20.8			2.3	13.4		6.6	60
62	1.6				1.6			0.8	62
64	0.4				0.4			0.2	64
66	0.4	10.4			0.4	6.7		2.9	66
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	3	1	1	2	3	2	2	7	
SAMPLING WEIGHT(kg)	368	75	137	250	368	212	250	830	
No. F.MEASURED	333	96	202	387	333	298	387	1018	
MEAN LENGTH(cm)	46.2	45.0	38.5	37.8	46.2	42.7	37.8	43.8	
MEAN WEIGHT (g)	905	847	534	539	905	735	539	795	
DEPTH RANGE (m)	894/1200	946/1051	885/1014	685/710	894/1200	885/1051	685/710	685/1200	

TABLE XXIII: GREENLAND HALIBUT, DIV. 3N, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUN	1st Q.	2nd Q.	YEAR	LENGTH GROUP
28				14.4		5.1	5.0	28
30		6.9		9.6		5.2	5.1	30
32	6.3		23.4	22.7	6.3	17.0	16.8	32
34	32.6	4.4	57.4	39.3	32.6	37.2	37.1	34
36	17.2	17.7	44.5	44.7	17.2	37.6	37.2	36
38	45.3	62.7	81.3	120.1	45.3	90.2	89.3	38
40	47.1	98.5	110.2	96.4	47.1	102.3	101.2	40
42	62.5	158.2	137.4	50.1	62.5	111.9	111.0	42
44	224.6	157.8	114.0	151.0	224.6	138.5	140.2	44
46	144.9	178.8	95.6	190.9	144.9	151.1	151.0	46
48	165.7	76.4	82.8	66.1	165.7	75.2	77.0	48
50	70.7	70.1	76.8	51.7	70.7	66.1	66.2	50
52	51.6	58.8	55.1	48.5	51.6	53.7	53.7	52
54	29.9	20.1	42.3	20.1	29.9	28.6	28.7	54
56	40.8	20.1	31.7	23.6	40.8	25.8	26.1	56
58	10.9	27.0	18.4	20.1	10.9	21.2	21.0	58
60	49.8	20.1	7.8	14.0	49.8	13.2	13.9	60
62		11.3	15.6	8.3		11.9	11.7	62
64			2.8	8.3		4.0	3.9	64
66		4.4	2.8			2.2	2.2	66
68		6.9				1.8	1.8	68
TOTAL	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	2	2	2	2	6	8	
SAMPLING WEIGHT(kg)	141	159	153	225	141	537	678	
No. F.MEASURED	132	179	183	240	132	602	734	
MEAN LENGTH(cm)	47.4	46.8	45.6	45.1	47.4	45.7	45.7	
MEAN WEIGHT (g)	998	964	903	876	998	909	911	
DEPTH RANGE (m)	380/565	825/1050	530/1251	383/830	380/565	383/1251	380/1251	

TABLE XXIV GREENLAND HALIBUT, DIV. 3O, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	JUN = YEAR	LENGTH GROUP
22	20.0	22
24		24
26		26
28	20.0	28
30		30
32	40.0	32
34		34
36	40.0	36
38	60.0	38
40	240.0	40
42	80.0	42
44	60.0	44
46	120.0	46
48	80.0	48
50	100.0	50
52	80.0	52
54	60.0	54
TOTAL	1000	
No. SAMPLES	1	
SAMPLING WEIGHT(kg)	45	
No. F.MEASURED	50	
MEAN LENGTH(cm)	44.4	
MEAN WEIGHT (g)	829	
DEPTH RANGE (m)	500/662	

TABLE XXV: ROUGHHEAD GRENADIER, DIV. 3L, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUN	JUL	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
7	1.7	21.1		2.2		5.5	1.7	1.7	2.7		2.8	2.3	7
8	5.7	10.5		5.3	25.6	29.4	7.1	5.7	5.4	25.6	13.8	11.6	8
9	50.0			39.4	28.1	44.0	35.6	50.0	37.2	28.1		39.8	9
10	103.0			56.7	111.8	115.7	103.5	103.0	53.5	111.8	107.2	98.5	10
11	190.2	10.5		178.3	259.9	187.8	181.5	190.2	168.7	259.9	183.4	188.6	11
12	344.6	31.6	36.6	342.2	319.7	360.6	367.7	344.6	325.1	319.7	365.6	351.3	12
13	139.0	63.2	36.6	142.2	85.9	75.4	123.9	139.0	137.1	85.9	109.3	118.3	13
14	40.4	63.2	158.5	55.7	23.0	44.1	18.2	40.4	58.5	23.0	26.0	33.9	14
15	19.6	126.3	182.9	51.0	58.1	69.7	42.1	19.6	56.6	58.1	50.4	45.1	15
16	40.7	147.4	207.3	53.4	18.6	25.6	23.7	40.7	60.1	18.6	24.3	32.9	16
17	16.5	231.6	12.2	16.0	15.8	1.9	11.5	16.5	22.6	15.8	8.6	13.0	17
18	22.4	84.2	73.2	5.3	23.7	9.2	14.4	22.4	9.4	23.7	12.9	15.3	18
19	4.5	73.7	36.6	15.0	8.8	9.2	7.3	4.5	17.3	8.8	7.9	8.6	19
20	6.1	21.1	48.8	6.4	4.7	7.3	5.5	6.1	7.9	4.7	6.0	6.2	20
21	0.1	52.6	73.2	4.3	6.9	3.7	12.8	0.1	7.5	6.9	10.0	7.2	21
22	1.5	10.5	12.2	9.6	4.4	5.5	16.3	1.5	9.7	4.4	13.1	9.3	22
23	7.3	21.1	24.4		4.7		7.6	7.3	1.3	4.7	5.3	5.1	23
24	1.7			5.3		1.9	9.1	1.7	5.0		6.9	4.9	24
25	4.2			3.2			7.1	4.2	3.0		5.0	4.1	25
26	0.3	10.5	24.4			3.7	1.7	0.3	0.9		2.3	1.4	26
27	0.3	10.5		2.2			1.7	0.3	2.4		1.2	1.1	27
28			24.4	3.2					3.6			0.5	28
29													29
30	0.3		12.2	3.2				0.3	3.3			0.6	30
31													31
32	0.1							0.1				0.03	32
33													33
34			12.2						0.3			0.05	34
35													35
36													36
37													37
38		10.5	12.2						0.6			0.1	38
39													39
40			12.2						0.3			0.05	40
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	3	1	1	2	2	2	3	3	4	2	5	14	
SAMPLING WEIGHT(kg)	170	50	54	159	145	147	323	170	262	145	470	1047	
No. F.MEASURED	433	95	82	383	289	359	546	433	560	289	905	2187	
MEAN LENGTH(cm)	12.9	17.2	18.3	13.3	12.7	12.6	13.2	12.9	13.6	12.7	13.0	13.1	
MEAN WEIGHT (g)	217	512	662	248	209	206	245	217	266	209	234	233	
DEPTH RANGE (m)	1005/1384	1096/1113	830/831	911/975	877/1015	806/1233	927/1404	1005/1384	830/1113	877/1015	806/1404	806/1404	

TABLE XXVI: ROUGHHEAD GRENADIER, DIV. 3M, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	APR	MAY	2nd Q. = YEAR	LENGTH GROUP
10	12.5		1.7	10
11	12.5	10.3	10.6	11
12	25.0	20.6	21.2	12
13	50.0	41.2	42.5	13
14	175.0	61.9	77.6	14
15	150.0	82.5	91.9	15
16	112.5	103.1	104.4	16
17	162.5	175.3	173.5	17
18	100.0	113.4	111.5	18
19	50.0	134.0	122.3	19
20	62.5	92.8	88.6	20
21	25.0	82.5	74.5	21
22		20.6	17.7	22
23	25.0	10.3	12.4	23
24		10.3	8.9	24
25	12.5	10.3	10.6	25
26		10.3	8.9	26
27	12.5	10.3	10.6	27
28				28
29		10.3	8.9	29
30				30
31				31
32				32
33				33
34				34
35				35
36	12.5		1.7	36
TOTAL	1000	1000	1000	
No. SAMPLES	1	1	2	
SAMPLING WEIGHT(kg)	40	59	99	
No. F.MEASURED	80	97	177	
MEAN LENGTH(cm)	17.2	18.3	18.2	
MEAN WEIGHT (g)	500	575	565	
DEPTH RANGE (m)	1076/1165	946/1051	946/1165	

TABLE XXVII-A: WITCH FLOUNDER, DIV. 3N, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	MAY	JUN	1st Q.	2nd Q.	YEAR	LENGTH GROUP
18	15.7				15.7		5.3	18
20	70.9				70.9		23.7	20
22	118.1				118.1		39.4	22
24	220.5				220.5		73.6	24
26	157.5				157.5		52.6	26
28	212.6	12.0	11.0		212.6	5.0	74.3	28
30	126.0	24.1	76.9	59.4	126.0	60.2	82.1	30
32	55.1	12.0	98.9	108.9	55.1	93.1	80.4	32
34	15.7	12.0	120.9	69.3	15.7	77.7	57.0	34
36	7.9	24.1	219.8	188.1	7.9	176.3	120.1	36
38		72.3	186.8	89.1		117.1	78.0	38
40		228.9	109.9	207.9		180.3	120.2	40
42		277.1	98.9	217.8		188.8	125.8	42
44		108.4	54.9	29.7		47.9	31.9	44
46		156.6	22.0			27.4	18.3	46
48		48.2		9.9		11.9	7.9	48
50		24.1		9.9		8.7	5.8	50
52				9.9		5.5	3.7	52
TOTAL	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	1	1	1	3	4	
SAMPLING WEIGHT(kg)	51	46	46	51	51	143	194	
No. F.MEASURED	127	83	91	101	127	275	402	
MEAN LENGTH(cm)	27.0	42.8	37.9	39.0	27.0	39.2	35.1	
MEAN WEIGHT (g)	90	562	346	394	90	401	297	
DEPTH RANGE (m)	460/565	888/966	1050/1251	800/830	460/565	800/1251	460/1251	

TABLE XXVII-B: WITCH FLOUNDER, DIV. 3N, 2013: length composition (0/000) of the 280mm trawl catches.

LENGTH GROUP	NOV = YEAR	LENGTH GROUP
24	23.0	24
26	28.7	26
28	46.0	28
30	172.4	30
32	160.9	32
34	189.7	34
36	160.9	36
38	120.7	38
40	34.5	40
42	40.2	42
44	5.7	44
46	17.2	46
TOTAL	1000	
No. SAMPLES	1	
SAMPLING WEIGHT(kg)	60	
No. F.MEASURED	174	
MEAN LENGTH(cm)	34.9	
MEAN WEIGHT (g)	251	
DEPTH RANGE (m)	53/79	

TABLE XXVIII: WITCH FLOUNDER, DIV. 3O, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
18	1.2		4.1				0.4	4.1			0.6	18
20	4.8		8.2				1.8	8.2			1.9	20
22	1.2	13.3	20.4	19.8	7.1	16.4	8.9	20.4	19.8	9.7	10.0	22
24	19.4	20.0	32.7	19.8	78.6	16.4	19.7	32.7	19.8	61.2	22.8	24
26	38.7	33.8	32.7	168.3	71.4	73.8	35.6	32.7	168.3	72.1	44.3	26
28	58.1	140.2	118.4	306.9	135.7	106.6	110.0	118.4	306.9	127.6	121.3	28
30	116.8	114.2	81.6	128.7	135.7	139.3	115.2	81.6	128.7	136.7	115.7	30
32	42.3	246.7	179.6	148.5	164.3	221.3	171.5	179.6	148.5	180.3	171.2	32
34	95.3	160.5	110.2	138.6	78.6	90.2	136.5	110.2	138.6	81.8	132.1	34
36	247.9	120.8	142.9	29.7	85.7	123.0	167.6	142.9	29.7	96.1	155.3	36
38	153.7	25.2	69.4	9.9	135.7	163.9	72.5	69.4	9.9	143.6	73.6	38
40	75.8	63.7	114.3	29.7	85.7	8.2	68.2	114.3	29.7	64.0	68.0	40
42	85.6	39.1	32.6		14.3	32.8	56.2	32.6		19.5	50.1	42
44	29.2	1.1	32.7		7.1	8.2	11.4	32.7		7.4	11.5	44
46	21.6	6.9	8.2				12.3	8.2			10.8	46
48	2.4	0.6	8.2				1.2	8.2			1.4	48
50	2.4	6.9	4.1				5.3	4.1			4.6	50
52		6.9					4.4				3.7	52
54	3.6						1.3				1.1	54
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	2	2	1	1	1	4	2	1	2	9	
SAMPLING WEIGHT(kg)	143	98	132	26	52	42	241	132	26	94	493	
No. F.MEASURED	353	227	287	101	140	122	580	287	101	262	1230	
MEAN LENGTH(cm)	36.4	34.0	34.7	30.8	33.3	33.7	34.9	34.7	30.8	33.4	34.6	
MEAN WEIGHT (g)	312	235	264	152	217	223	263	264	152	219	255	
DEPTH RANGE (m)	150/365	332/578	387/594	345/481	308/422	109/128	150/578	387/594	345/481	109/422	109/594	

TABLE XXIX: THORNY SKATE, DIV. 3L, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	OCT	NOV	4th Q. = YEAR	LENGTH GROUP
33		18.9	11.4	33
34		37.7	22.8	34
35		37.7	22.8	35
36		56.6	34.2	36
37		37.7	22.8	37
38				38
39		75.5	45.6	39
40		94.3	57.0	40
41		56.6	34.2	41
42		56.6	34.2	42
43				43
44		18.9	11.4	44
45				45
46		37.7	22.8	46
47		37.7	22.8	47
48	37.0		14.6	48
49		18.9	11.4	49
50		56.6	34.2	50
51	37.0		14.6	51
52		75.5	45.6	52
53		18.9	11.4	53
54		18.9	11.4	54
55	37.0	37.7	37.5	55
56	37.0	37.7	37.5	56
57				57
58	37.0		14.6	58
59	37.0		14.6	59
60				60
61	37.0	56.6	48.9	61
62	37.0	18.9	26.1	62
63	37.0		14.6	63
64	74.1		29.3	64
65				65
66	74.1		29.3	66
67	37.0	37.7	37.5	67
68				68
69				69
70	148.1	18.9	70.0	70
71	74.1		29.3	71
72		18.9	11.4	72
73	74.1		29.3	73
74	37.0		14.6	74
75		18.9	11.4	75
76				76
77	37.0		14.6	77
78	37.0		14.6	78
79	37.0		14.6	79
80				80
81				81
82				82
83	37.0		14.6	83
TOTAL	1000	1000	1000	
No. SAMPLES	1	1	2	
SAMPLING WEIGHT(kg)	97	115	212	
No. F.MEASURED	27	53	80	
MEAN LENGTH(cm)	67.1	48.0	55.6	
MEAN WEIGHT (g)	3559	1498	2313	
DEPTH RANGE (m)	293/320	260/275	260/320	

TABLE XXX: THORNY SKATE, DIV. 3M, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	MAY	JUN	JUL	1st Q.	2nd Q.	3rd Q.	YEAR	LENGTH GROUP
28	0.9				0.9			0.3	28
29		12.0				3.2		0.9	29
30									30
31									31
32									32
33		12.0				3.2		0.9	33
34									34
35									35
36	0.9	24.1			0.9	6.5		2.0	36
37	0.9	24.1			0.9	6.5		2.0	37
38		36.1				9.7		2.6	38
39		12.0				3.2		0.9	39
40	0.9	24.1			0.9	6.5		2.0	40
41	1.8	24.1			1.8	6.5		2.3	41
42	0.9	12.0			0.9	3.2		1.1	42
43	23.9	24.1			23.9	6.5		9.0	43
44	22.2	24.1			22.2	6.5		8.4	44
45	0.9	60.2			0.9	16.2		4.6	45
46	0.9	24.1			0.9	6.5		2.0	46
47	46.1	48.2			46.1	12.9		17.4	47
48	46.1	72.3		160.0	46.1	19.4	160.0	87.5	48
49	0.9	36.1	95.2		0.9	79.4		21.8	49
50	45.2	48.2		40.0	45.2	12.9	40.0	34.2	50
51	1.8	48.2	95.2		1.8	82.6		22.9	51
52	68.2	60.2	47.6	40.0	68.2	51.0	40.0	51.5	52
53	46.9	96.4	47.6	40.0	46.9	60.7	40.0	47.7	53
54	0.9	12.0			0.9	3.2		1.1	54
55	25.7	36.1		120.0	25.7	9.7	120.0	61.6	55
56	25.7	84.3	95.2	40.0	25.7	92.3	40.0	49.8	56
57	1.8			120.0	1.8		120.0	51.8	57
58	2.6	36.1			2.6	9.7		3.4	58
59	24.8	24.1		40.0	24.8	6.5	40.0	26.3	59
60	46.1	12.0	47.6	80.0	46.1	38.1	80.0	58.4	60
61	23.9	24.1	95.2	40.0	23.9	76.2	40.0	44.9	61
62	66.5	12.0	47.6	40.0	66.5	38.1	40.0	47.5	62
63	1.8			40.0	1.8		40.0	17.6	63
64	44.3		95.2	40.0	44.3	69.7	40.0	49.3	64
65	23.0	12.0			23.0	3.2		7.8	65
66	2.6	12.0	47.6	40.0	2.6	38.1	40.0	28.2	66
67	45.2	12.0		40.0	45.2	3.2	40.0	31.6	67
68	22.2			40.0	22.2		40.0	23.8	68
69	0.9			40.0	0.9		40.0	17.4	69
70	44.3		142.9		44.3	104.5		41.7	70
71									71
72	89.5				89.5			27.0	72
73	44.3		47.6		44.3	34.8		22.8	73
74	22.2				22.2			6.7	74
75	22.2				22.2			6.7	75
76	22.2				22.2			6.7	76
77			47.6			34.8		9.4	77
78	44.3				44.3			13.4	78
79									79
80									80
81	22.2		47.6		22.2	34.8		16.1	81
82									82
83									83
84	22.2				22.2			6.7	84
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	1	1	1	2	2	1	5	
SAMPLING WEIGHT(kg)	227	99	61	68	227	160	68	455	
No. F.MEASURED	97	83	21	25	97	104	25	226	
MEAN LENGTH(cm)	62.7	50.0	62.2	58.0	62.7	59.0	58.0	59.7	
MEAN WEIGHT (g)	3022	1293	2915	2327	3022	2480	2327	2578	
DEPTH RANGE (m)	429/805	983/1043	275/400	281/283	429/805	275/1043	281/283	275/1043	

TABLE XXXI-A: THORNY SKATE, DIV. 3N, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	APR	1st Q.	2nd Q.	YEAR	LENGTH GROUP
33		14.1		14.1	0.8	33
34		14.1		14.1	0.8	34
35	31.3		31.3		29.5	35
36						36
37	31.3	28.2	31.3	28.2	31.1	37
38						38
39	31.3	28.2	31.3	28.2	31.1	39
40		42.3		42.3	2.4	40
41		42.3		42.3	2.4	41
42	31.3	56.3	31.3	56.3	32.7	42
43	31.3	14.1	31.3	14.1	30.3	43
44	62.5		62.5		59.0	44
45	31.3	56.3	31.3	56.3	32.7	45
46	31.3	14.1	31.3	14.1	30.3	46
47	31.3	14.1	31.3	14.1	30.3	47
48	31.3	70.4	31.3	70.4	33.5	48
49	125.0		125.0		118.0	49
50	62.5	14.1	62.5	14.1	59.8	50
51		42.3		42.3	2.4	51
52		42.3		42.3	2.4	52
53	62.5	42.3	62.5	42.3	61.4	53
54		14.1		14.1	0.8	54
55		98.6		98.6	5.5	55
56	62.5	42.3	62.5	42.3	61.4	56
57		42.3		42.3	2.4	57
58		70.4		70.4	4.0	58
59		56.3		56.3	3.2	59
60	31.3	42.3	31.3	42.3	31.9	60
61		14.1		14.1	0.8	61
62	31.3	14.1	31.3	14.1	30.3	62
63	31.3		31.3		29.5	63
64						64
65		14.1		14.1	0.8	65
66	62.5	14.1	62.5	14.1	59.8	66
67		14.1		14.1	0.8	67
68	31.3	14.1	31.3	14.1	30.3	68
69	31.3	14.1	31.3	14.1	30.3	69
70	62.5		62.5		59.0	70
71						71
72						72
73						73
74	31.3		31.3		29.5	74
75						75
76	31.3		31.3		29.5	76
TOTAL	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	1	1	2	
SAMPLING WEIGHT(kg)	92	98	92	98	190	
No. F.MEASURED	32	71	32	71	103	
MEAN LENGTH(cm)	54.5	51.9	54.5	51.9	54.4	
MEAN WEIGHT (g)	2109	1472	2109	1472	2073	
DEPTH RANGE (m)	387/412	888/966	387/412	888/966	387/966	

TABLE XXI-B: THORNY SKATE, DIV. 3N, 2013: length composition (0/000) of the 280mm trawl catches.

LENGTH GROUP	JUN	NOV	2nd Q.	4th Q.	YEAR	LENGTH GROUP
26		11.2		11.2	6.4	26
27						27
28		11.2		11.2	6.4	28
29						29
30						30
31						31
32		33.7		33.7	19.2	32
33		22.5		22.5	12.8	33
34						34
35						35
36		11.2		11.2	6.4	36
37		22.5		22.5	12.8	37
38	22.7	11.2	22.7	11.2	16.2	38
39						39
40	22.7	22.5	22.7	22.5	22.6	40
41	45.5		45.5		19.5	41
42	22.7	11.2	22.7	11.2	16.2	42
43						43
44	90.9	33.7	90.9	33.7	58.3	44
45		33.7		33.7	19.2	45
46		11.2		11.2	6.4	46
47	22.7		22.7		9.8	47
48	45.5	44.9	45.5	44.9	45.2	48
49	22.7	101.1	22.7	101.1	67.4	49
50	90.9	67.4	90.9	67.4	77.5	50
51	45.5	22.5	45.5	22.5	32.3	51
52	68.2	11.2	68.2	11.2	35.7	52
53	90.9	11.2	90.9	11.2	45.5	53
54		22.5		22.5	12.8	54
55	45.5	44.9	45.5	44.9	45.2	55
56	22.7		22.7		9.8	56
57	22.7	11.2	22.7	11.2	16.2	57
58		22.5		22.5	12.8	58
59	22.7	33.7	22.7	33.7	29.0	59
60	22.7		22.7		9.8	60
61	45.5	11.2	45.5	11.2	25.9	61
62	22.7	22.5	22.7	22.5	22.6	62
63	22.7	22.5	22.7	22.5	22.6	63
64	22.7		22.7		9.8	64
65		33.7		33.7	19.2	65
66	90.9	22.5	90.9	22.5	51.9	66
67		11.2		11.2	6.4	67
68		11.2		11.2	6.4	68
69		22.5		22.5	12.8	69
70	22.7	67.4	22.7	67.4	48.2	70
71	22.7	33.7	22.7	33.7	29.0	71
72		22.5		22.5	12.8	72
73						73
74						74
75		22.5		22.5	12.8	75
76		11.2		11.2	6.4	76
77		11.2		11.2	6.4	77
78						78
79	22.7	11.2	22.7	11.2	16.2	79
80						80
81		11.2		11.2	6.4	81
82		11.2		11.2	6.4	82
83						83
84						84
85		11.2		11.2	6.4	85
TOTAL	1000	1000	1000	1000	1000	
No. SAMPLES	1	1	1	1	2	
SAMPLING WEIGHT(kg)	88	236	88	236	324	
No. F.MEASURED	44	89	44	89	133	
MEAN LENGTH(cm)	54.5	55.9	54.5	55.9	55.3	
MEAN WEIGHT (g)	2031	2351	2031	2351	2213	
DEPTH RANGE (m)	47/53	40/42	47/53	40/42	40/53	

TABLE XXII: THORNY SKATE, DIV. 3O, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	MAR	MAY	SEP	OCT	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
25		12.3				12.3			0.9	25
26										26
27										27
28	12.4				12.4				4.1	28
29										29
30										30
31										31
32										32
33		12.3				12.3			0.9	33
34		12.3	23.3	22.7		12.3	23.3	22.7	14.6	34
35	12.4				12.4				4.1	35
36	12.4	12.3	23.3		12.4	12.3	23.3		13.6	36
37	24.8	24.7			24.8	24.7			10.0	37
38	12.4	12.3	23.3		12.4	12.3	23.3		13.6	38
39	12.4				12.4				4.1	39
40	12.4	37.0			12.4	37.0			6.9	40
41	24.8	24.7	46.5	45.5	24.8	24.7	46.5	45.5	37.5	41
42	12.4	24.7	93.0		12.4	24.7	93.0		40.4	42
43	49.6	24.7	23.3		49.6	24.7	23.3		26.8	43
44	24.8	12.3	23.3	22.7	24.8	12.3	23.3	22.7	22.8	44
45	37.2	61.7	46.5	68.2	37.2	61.7	46.5	68.2	49.5	45
46	24.8	37.0	23.3		24.8	37.0	23.3		19.6	46
47	12.4	37.0	23.3	45.5	12.4	37.0	23.3	45.5	25.7	47
48	62.8	61.7	46.5		62.8	61.7	46.5		42.6	48
49	38.0	12.3	69.8		38.0	12.3	69.8		39.3	49
50	49.6	37.0	23.3	90.9	49.6	37.0	23.3	90.9	48.1	50
51	12.4	37.0	69.8	22.7	12.4	37.0	69.8	22.7	37.8	51
52	38.0	61.7	46.5	68.2	38.0	61.7	46.5	68.2	49.7	52
53	37.2	61.7		68.2	37.2	61.7		68.2	32.2	53
54		37.0	46.5			37.0	46.5		20.1	54
55	63.6	74.1	69.8	68.2	63.6	74.1	69.8	68.2	67.7	55
56	12.4	49.4		68.2	12.4	49.4		68.2	23.1	56
57	25.6	24.7	23.3	22.7	25.6	24.7	23.3	22.7	24.0	57
58	25.6	61.7		22.7	25.6	61.7		22.7	18.2	58
59	37.2	49.4		68.2	37.2	49.4		68.2	31.3	59
60	12.4	37.0	23.3	22.7	12.4	37.0	23.3	22.7	20.6	60
61	25.6	12.3	46.5	22.7	25.6	12.3	46.5	22.7	31.7	61
62	25.6	12.3		22.7	25.6	12.3		22.7	14.5	62
63	12.4			45.5	12.4			45.5	14.3	63
64	13.2		46.5	22.7	13.2		46.5	22.7	26.7	64
65		12.3	23.3			12.3	23.3		9.6	65
66	38.9			45.5	38.9			45.5	23.0	66
67		12.3		22.7		12.3		22.7	6.0	67
68	12.4				12.4				4.1	68
69			23.3				23.3		8.6	69
70	13.2			22.7	13.2			22.7	9.5	70
71			46.5				46.5		17.2	71
72	13.2			22.7	13.2			22.7	9.5	72
73	26.5				26.5				8.7	73
74			23.3	22.7			23.3	22.7	13.7	74
75	26.5				26.5				8.7	75
76	13.2		23.3		13.2		23.3		13.0	76
77	13.2				13.2				4.4	77
78	13.2			22.7	13.2			22.7	9.5	78
79										79
80	13.2				13.2				4.4	80
81	13.2				13.2				4.4	81
82	13.2				13.2				4.4	82
83										83
84	13.2				13.2				4.4	84
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	1	1	1	2	1	1	1	5	
SAMPLING WEIGHT(kg)	152	99	106	92	152	99	106	92	448	
No. F.MEASURED	79	81	43	44	79	81	43	44	247	
MEAN LENGTH(cm)	55.6	50.7	52.7	56.1	55.6	50.7	52.7	56.1	54.3	
MEAN WEIGHT (g)	2103	1352	1894	2195	2103	1352	1894	2195	1989	
DEPTH RANGE (m)	260/377	436/455	97/166	124/125	260/377	436/455	97/166	124/125	97/455	

TABLE XXXIII: WHITE HAKE, DIV. 3O, 2013: length composition (0/000) of the 130mm trawl catches.

LENGTH GROUP	FEB	MAR	APR	JUN	SEP	OCT	NOV	1st Q.	2nd Q.	3rd Q.	4th Q.	YEAR	LENGTH GROUP
24		29.4						6.1				2.1	24
25				28.6					23.3			5.2	25
26		29.4						6.1				2.1	26
27		58.8						12.2				4.1	27
28		14.7						3.0				1.0	28
29		44.1		128.6		9.6		9.1	104.9		8.7	28.3	29
30		14.7		42.9				3.0	35.0			8.8	30
31		147.1		14.3				30.4	11.7			12.9	31
32		29.4		85.7		19.2	70.2	6.1	69.9		23.9	22.9	32
33		102.9		57.1		9.6		21.3	46.6		8.7	19.5	33
34		14.7		28.6		9.6	17.5	3.0	23.3		10.3	8.5	34
35	9.4			142.9			17.5	7.4	116.5		1.6	28.8	35
36		235.3	29.4		28.2			48.6	5.4	28.2		23.8	36
37	14.4	88.2		14.3		67.3		29.7	11.7		61.1	26.0	37
38	23.6	102.9		128.6		19.2	52.6	40.0	104.9		22.3	41.7	38
39	9.4		14.7	28.6	56.3		17.5	7.4	26.0	56.3	1.6	21.1	39
40	24.4	29.4	102.9	28.6	28.2	67.3		25.5	42.3	28.2	61.1	37.6	40
41	42.3	14.7	14.7	71.4	70.4	86.5		36.6	61.0	70.4	78.5	58.7	41
42	85.6			14.3	169.0	125.0	17.5	67.9	11.7	169.0	115.1	88.0	42
43	42.1	29.4	102.9	85.7	28.2	182.7		39.5	88.9	28.2	165.8	75.6	43
44	61.0		44.1		126.8	144.2	105.3	48.4	8.1	126.8	140.6	76.9	44
45	84.4	14.7	29.4	28.6	112.7	57.7	35.1	70.0	28.7	112.7	55.6	67.1	45
46	86.7		14.7	28.6	84.5	96.2		68.8	26.0	84.5	87.3	66.8	46
47	34.0		102.9		154.9		140.4	27.0	19.0	154.9	13.0	50.4	47
48	37.8		176.5		28.2	48.1	17.5	30.0	32.5	28.2	45.3	33.5	48
49	9.8		14.7		28.2	19.2	122.8	7.8	2.7	28.2	28.8	15.7	49
50	68.0		58.8	14.3		19.2	17.5	53.9	22.5		19.1	27.4	50
51	77.1		29.4		14.1			61.2	5.4	14.1		25.0	51
52	19.5		14.7	28.6		9.6	193.0	15.5	26.0		26.6	16.8	52
53	42.3		102.9		28.2		70.2	33.6	19.0	28.2	6.5	23.2	53
54	9.4				14.1	9.6		7.4		14.1	8.7	7.5	54
55	9.8		14.7				52.6	7.8	2.7		4.9	4.3	55
56	14.4		29.4				35.1	11.5	5.4		3.2	5.8	56
57			14.7						2.7			0.6	57
58													58
59	4.9							3.9				1.3	59
60	4.7		14.7		14.1			3.7	2.7	14.1		5.0	60
61	34.2		29.4				17.5	27.1	5.4		1.6	10.7	61
62	14.2				14.1			11.3		14.1		6.9	62
63	53.7		14.7					42.6	2.7			15.0	63
64	29.3		14.7					23.3	2.7			8.5	64
65	9.8							7.8				2.6	65
66			14.7						2.7			0.6	66
67	34.2							27.1				9.2	67
68													68
69													69
70													70
71													71
72													72
73													73
74	4.9							3.9				1.3	74
75													75
76	4.9							3.9				1.3	76
TOTAL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
No. SAMPLES	2	1	1	1	1	1	1	3	2	1	2	8	
SAMPLING WEIGHT(kg)	299	92	129	62	114	132	94	391	191	114	226	921	
No. F.MEASURED	209	68	68	70	71	104	57	277	138	71	161	647	
MEAN LENGTH(cm)	50.0	34.4	48.7	37.0	45.3	43.2	47.6	46.8	39.1	45.3	43.6	44.0	
MEAN WEIGHT (g)	1109	342	993	438	774	666	928	951	540	774	691	763	
DEPTH RANGE (m)	407/515	292/377	310/390	286/290	345/481	124/125	109/128	292/515	286/390	345/481	109/128	109/515	

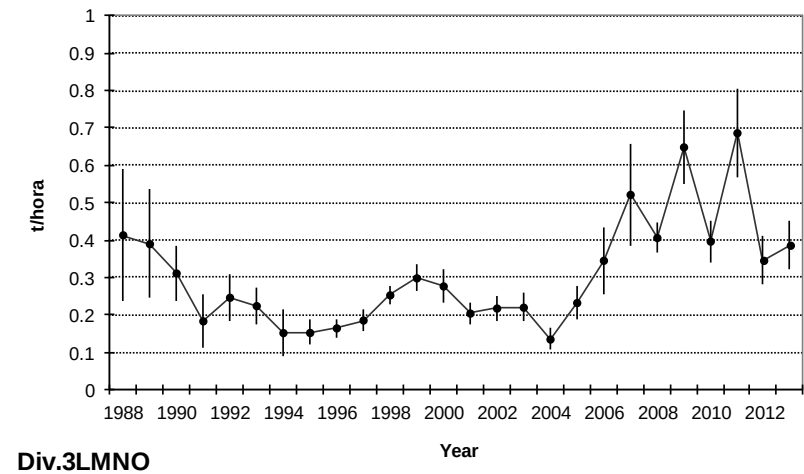
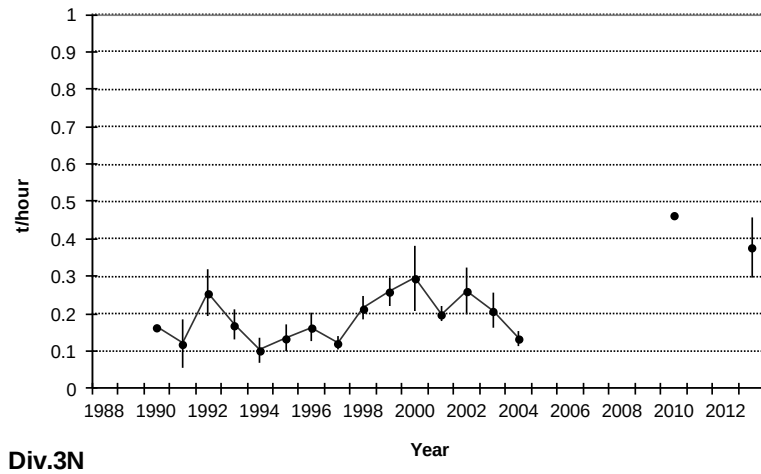
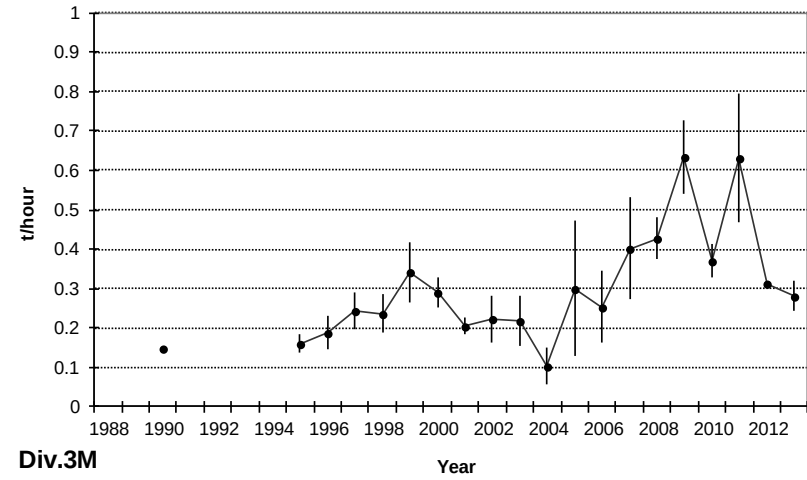
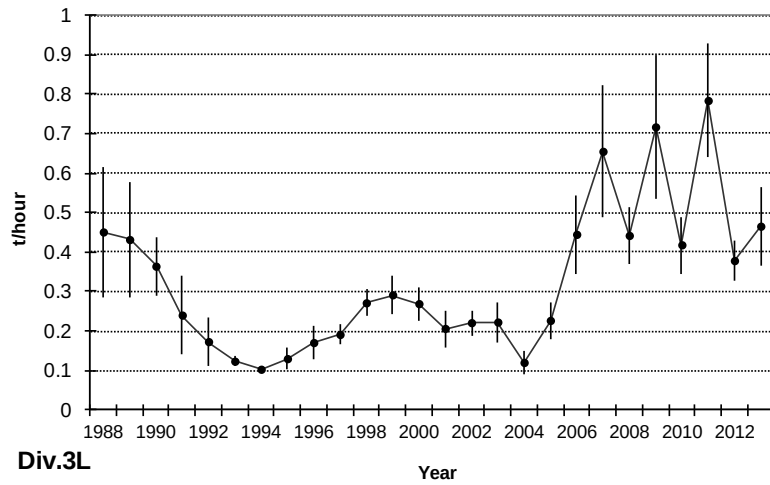


Fig. 1: Greenland halibut trawl catch rates by division, 1988 - 2013.

Fig. 2 - Annual length composition of Cod on Division 3L 130mm trawl fishery in 2013.

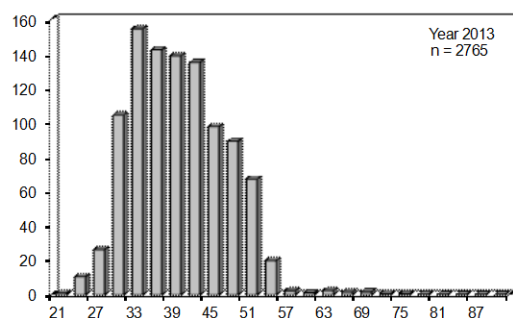


Fig. 3a - Annual length composition of Cod on Division 3M 130mm trawl fishery in 2013.

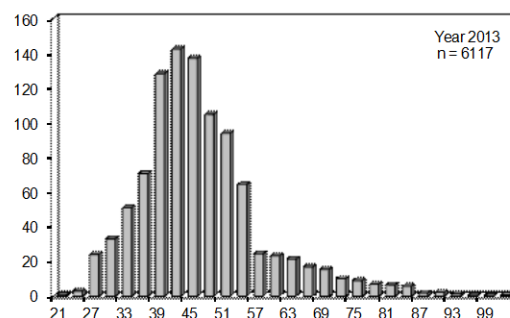


Fig. 3b - Annual age composition of Cod on Division 3M 130mm trawl fishery in 2013.

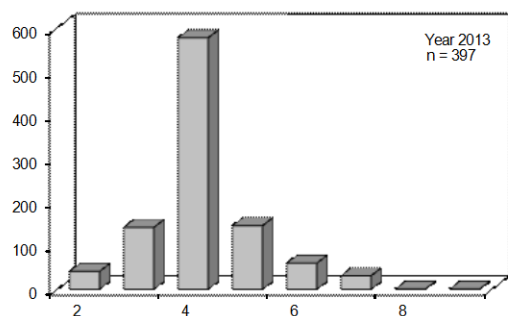


Fig. 4a - Annual length composition of Cod on Division 3N 130mm trawl fishery in 2013.

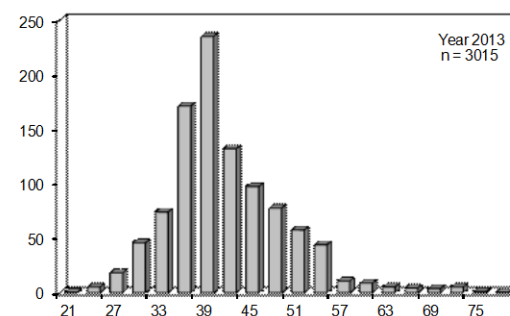


Fig. 4b - Annual length composition of Cod on Division 3N 280mm trawl fishery in 2013.

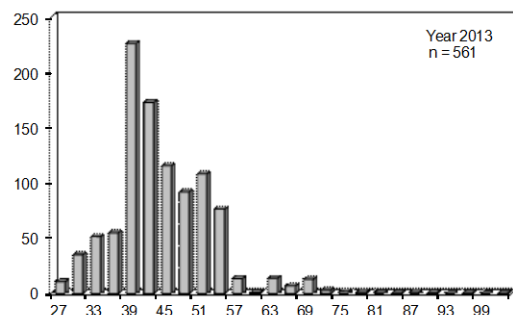


Fig. 5 - Annual length composition of Cod on Division 3O 130mm trawl fishery in 2013.

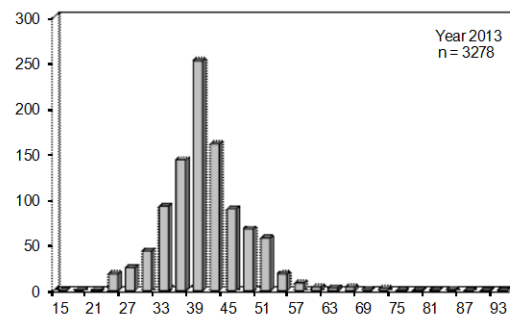


Fig. 6 - Annual length composition of Redfish (*S. mentella*) on Division 3L 130mm trawl fishery in 2013.

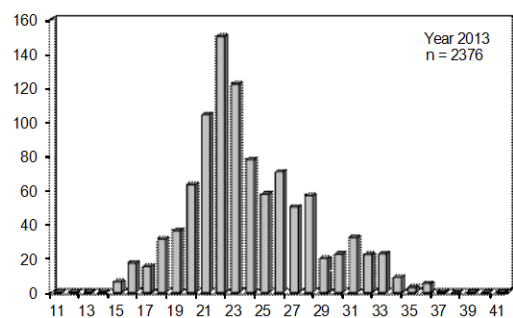


Fig. 7 - Annual length composition of Redfish (*S. mentella*) on Division 3M 130mm trawl fishery in 2013.

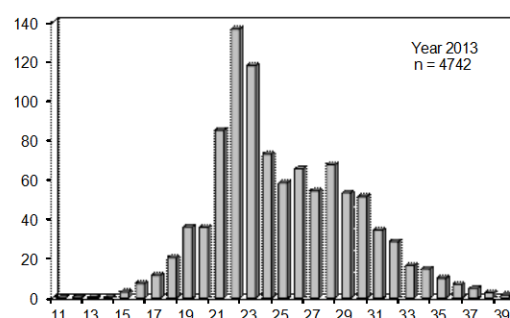


Fig. 8 - Annual length composition of Redfish (*S. mentella*) on Division 3N 130mm trawl fishery in 2013.

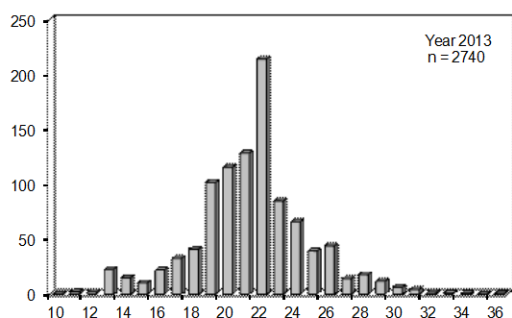


Fig. 9 - Annual length composition of Redfish (*S. mentella*) on Division 3O 130mm trawl fishery in 2013.

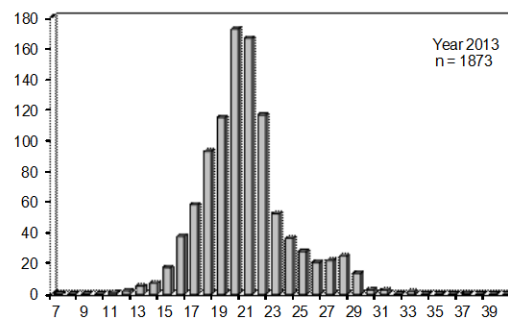


Fig. 10 - Annual length composition of Redfish (*S. marinus*) on Division 3M 130mm trawl fishery in 2013.

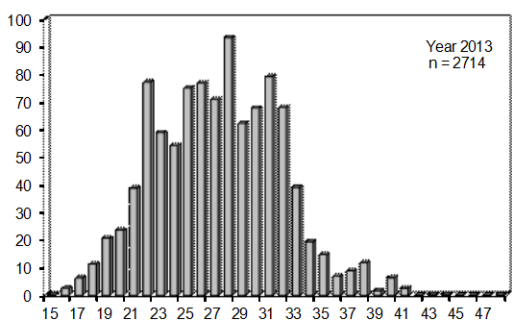


Fig. 11 - Annual length composition of American plaice on Division 3L 130mm trawl fishery in 2013.

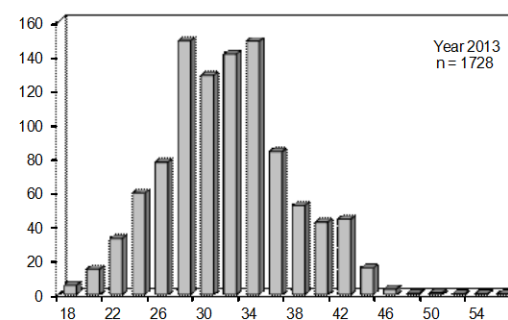


Fig. 12 - Annual length composition of American plaice on Division 3M 130mm trawl fishery in 2013.

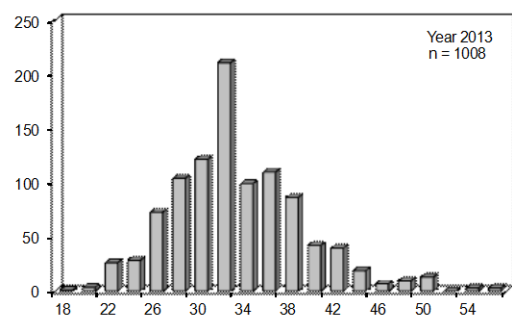


Fig. 13a - Annual length composition of American plaice on Division 3N 130mm trawl fishery in 2013.

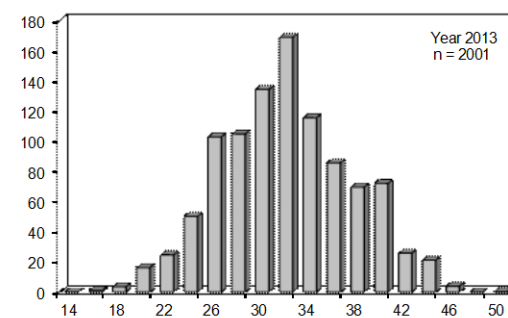


Fig. 13b - Annual length composition of American plaice on Division 3N 280mm trawl fishery in 2013.

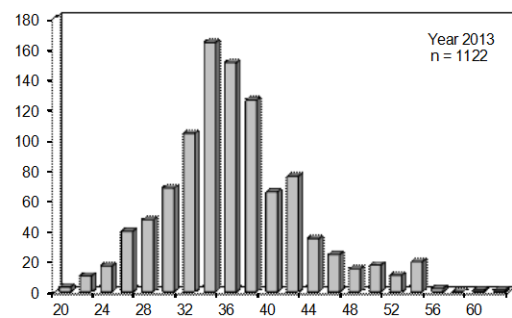


Fig. 14 - Annual length composition of American plaice on Division 3O 130mm trawl fishery in 2013.

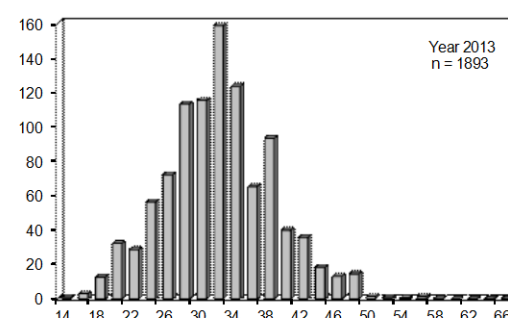


Fig. 15a - Annual length composition of yellowtail flounder on Division 3N 130mm trawl fishery in 2013.

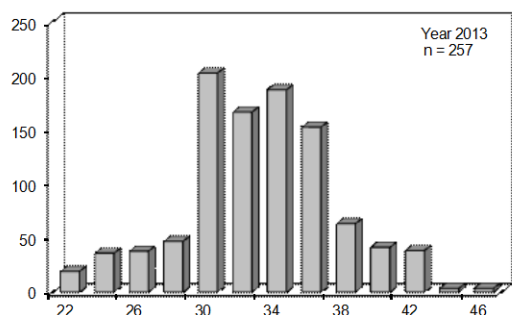


Fig. 15b - Annual length composition of yellowtail flounder on Division 3N 280mm trawl fishery in 2013.

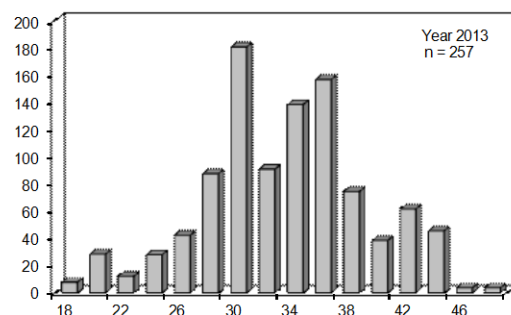


Fig. 16 - Annual length composition of Greenland halibut on Division 3L 130mm trawl fishery in 2013.

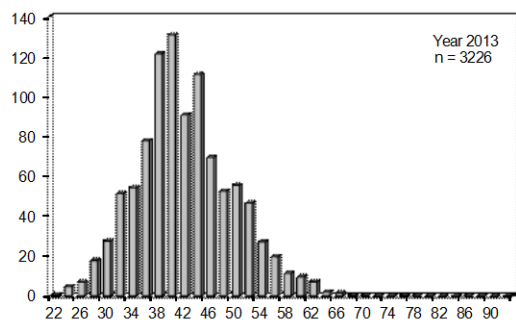


Fig. 17 - Annual length composition of Greenland halibut on Division 3M 130mm trawl fishery in 2013.

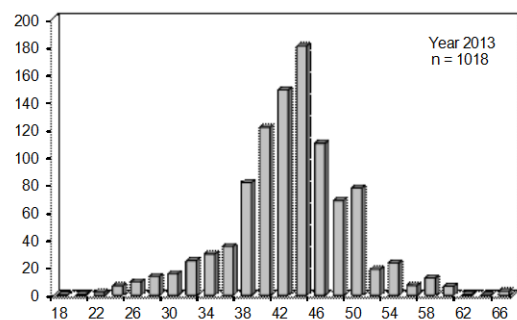


Fig. 18 - Annual length composition of Greenland halibut on Division 3N 130mm trawl fishery in 2013.

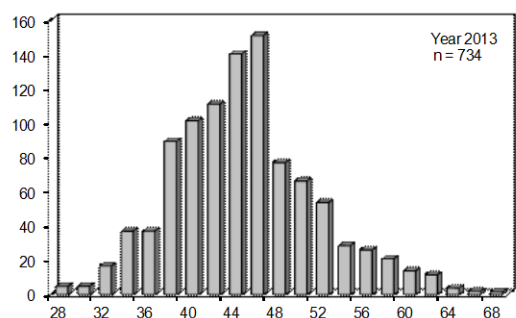


Fig. 19 - Annual length composition of Greenland halibut on Division 3O 130mm trawl fishery in 2013.

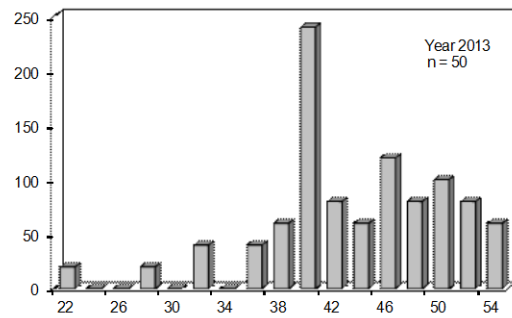


Fig. 20 - Annual length composition of Roughhead grenadier on Division 3L 130mm trawl fishery in 2013.

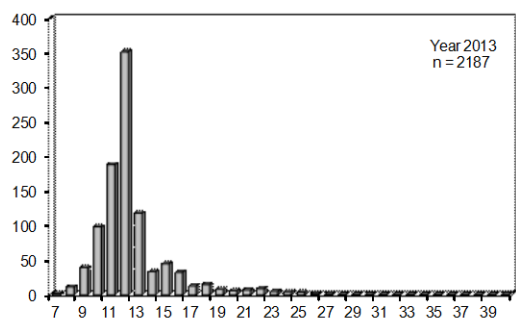


Fig. 21 - Annual length composition of Roughhead grenadier on Division 3M 130mm trawl fishery in 2013.

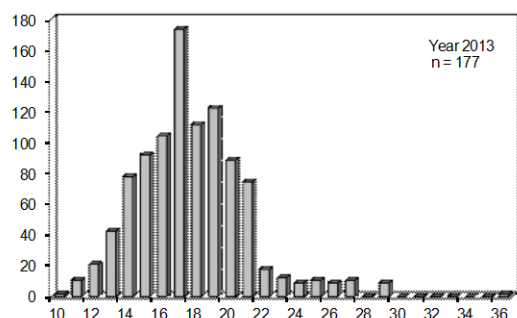


Fig. 22a - Annual length composition of witch flounder on Division 3N 130mm trawl fishery in 2013.

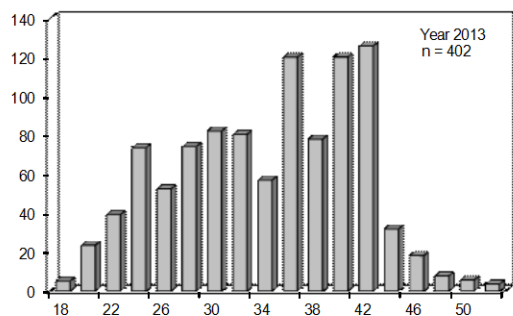


Fig. 22b - Annual length composition of witch flounder on Division 3N 280mm trawl fishery in 2013.

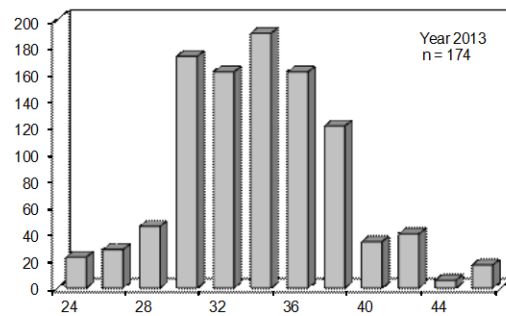


Fig. 23 - Annual length composition of witch flounder on Division 3O 130mm trawl fishery in 2013.

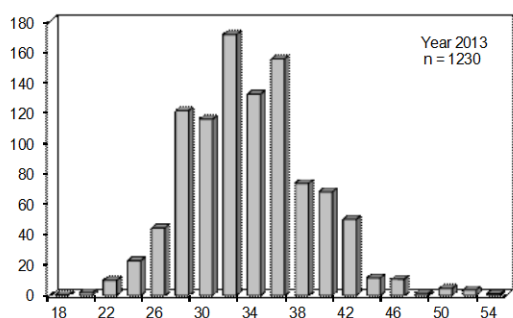


Fig. 24 - Annual length composition of Thorny skate on Division 3L 130mm trawl fishery in 2013.

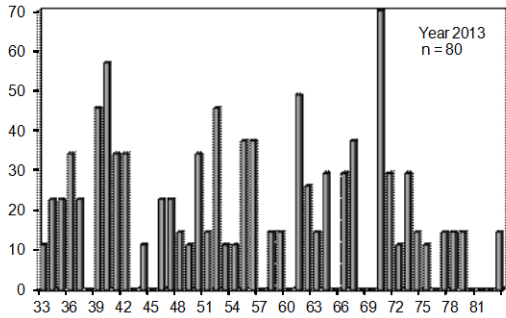


Fig. 25 - Annual length composition of Thorny skate on Division 3M 130mm trawl fishery in 2013.

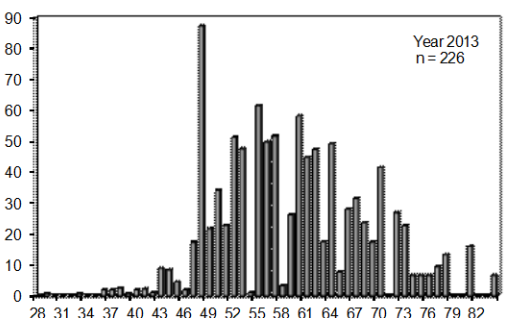


Fig. 26a - Annual length composition of Thorny skate on Division 3N 130mm trawl fishery in 2013.

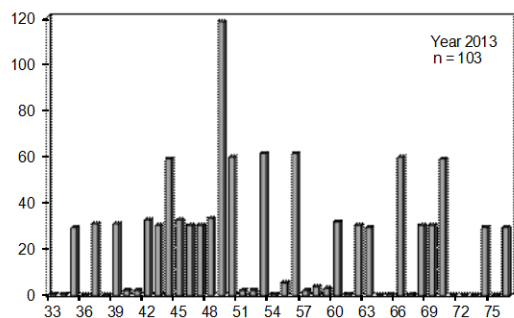


Fig. 26b - Annual length composition of Thorny skate on Division 3N 280mm trawl fishery in 2013.

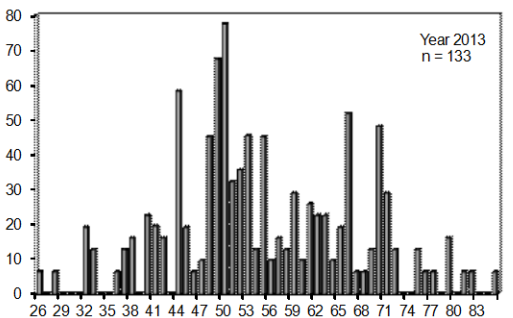


Fig. 27 - Annual length composition of Thorny skate on Division 3O 130mm trawl fishery in 2013.

