

**SCIENTIFIC COUNCIL MEETING – 2015**

## PORTUGUESE RESEARCH REPORT FOR 2014

by

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Av. BRASÍLIA 1449-006, LISBOA, PORTUGAL**A. Status of the fisheries**

In 2015, the Portuguese provisional nominal catches proceeding from NAFO Regulatory Sub Area 3 reached 19 467 ton (Table 1-A). Nominal catches increased continuously from 2000 to 2003, when they peaked at 22 680 ton, but declined sharply afterwards (Table I-B); during 2004- 2008 catches stabilized between 11 500 and 13 000 ton. Over recent years (2009-2014) catches increased from around 15 400 ton (2009-2010) to near 16 450 ton (2011-2012) and reached, in 2014, the highest values since 2003 (more 1400 ton relatively to 2013).

The 2014 fishing effort (Table II) and the catches are provisional (data extracted from NAFO Database STATLANT 21A on 15 May 2015 and STATLANT 21B on 9 June 2015), In 2014, 12 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 more than 25% of the Portuguese catches in all Sub Area 3 – the catches of cod in this division raised more than 800 ton from 2013 to 2014. Catches of redfish, after remaining more or less stable in Div. 3L and 3N, doubled in division 3L and fell more than by half in division 3N. In Div. 3M, after two years of decreases, the catch remains stable; because of that, the total catches of this specie decreased around 3000 ton from 2011 to 2014, representing now around 35% of the total catches in this division. In Div. 3O, the catches of redfish increased about 1000 ton from 2012 to 2013 and remained stable at same level in 2014, but the relative proportion decreased from around 90% to 80% of the catches in this division (due an strong increase in silver hake catches – 500 ton) and were 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 around 50% of the overall catch.

The catches of roughhead grenadier, after a strong decrease observed in Div. 3L and 3M during 2013, increased four times from 2013 to 2014 (328 ton) been the second highest value since 2004. 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 2011-2014.

The Greenland halibut catches remains stable in the divisions 3L and 3M, but its total catch decreased 160 ton, due mainly of loss in Div. 3N (100 ton). 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 American plaice catches remains stable in all divisions, except in Div. 3N (loss more of 100 ton). The witch flounder catches almost doubled (due the increase of 80 ton in Div. 3M) and the yellowtail flounder catches, that in 2013 decreased around 400 ton (-80%) in divisions 3N and 3O combined, are now residual and around 30 ton; skates catches less almost 80 ton in division 3N and remains more or less stable in all others divisions; the catch of haddock more than doubled relatively 2013, mainly due the increase of his fishery in Div. 3M. The catches of other species remained more or less stable in all divisions.

The catch in Div. 3M (mainly cod and redfish) continue in 2014, 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. From 2013 to 2014, the catches in Div. 3N fell by half, due mainly of the loss of around 350 ton in redfish fishery and the same value in the bulk of the catches of cod, Greenland halibut, American plaice and skates; despite that, the catches of skates represent now around 45% of the catches in Div. 3N, against only 33% of redfish.

## **B. Portuguese Annual Sampling Program**

### **1. Catch and effort sampling.**

Effort and CPUE data for 2014 Portuguese trawl fishery on the NAFO Regulatory Area were obtained through the revision of skipper logbooks from three trawlers, kindly supplied by its owners. All the information (round weight of the catch by species, fishing effort, positions and depths) has been recorded on a tow-by-tow basis. The vessel conversion factors were used to convert its processed landings in catches.

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

The Greenland halibut CPUE series was updated with the 2014 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 ( $\pm$  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 2014, the catch rates reached, in this period, the highest values observed of the time series (the Greenland halibut CPUE remains stable from 2013 to 2014).

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 2014, biological sampling was obtained from three 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*) and American plaice were sampled in Div. 3L, 3M, 3N and 3O (Tab. V). Greenland halibut was sampled in Div. 3L, 3M and 3N. Witch flounder was sampled in Div. 3M, 3N and 3O. Roughhead grenadier was sampled in Div. 3L and 3M. Thorny skate and redfish (*S. marinus*) were sampled only in Div. 3M 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 2014 and are presented in Table VI. However, for species/stock with a low sampling level in 2014, the length-weight relationships calculated in previous years were used.

## **2.1. Catch and by-catch composition of the 2014 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 6% 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 2% for cod, 18% for American plaice, 100% for yellowtail flounder and 9% 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 from May to November, except for August (Table VII, Fig. 2), from 245 m to 471 m depth.

Lengths between 33 cm and 51 cm dominated the catch, with a modal class at 39 cm (mean length and weight of 43.7 cm and 1137 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, (Table VIII-A, Fig. 3), from 149 m to 541 m depth.

Lengths between 39 cm and 54 cm dominated the catch, with two modal classes at 39 cm and 42 cm (mean length and weight of 47.8 cm and 1216 g).

An annual Div. 3M cod age-length key (3rd and 4th quarters combined) is presented in Table VIII-B and Fig. 3b. This age-length key was used to derive the age composition by quarters and year.

The 2006 to 2008 year classes, 4 to 6 years old in 2014, dominated the trawl catches, being the 2007 year class the most represented (Tab. VIII-C).

### **2.1.3. Cod Div. 3N**

Information on length composition of the cod by-catch in Div. 3N is available for June, August and September (Table IX-A, Fig. 4a), from 42 m to 590 m depth.

Lengths between 36 cm and 51 cm dominated the catch, with a very modal class at 45 cm (mean length and weight of 45.4 cm and 764 g).

### **2.1.4. Cod Div. 3N 200 mm mesh size**

Information on length composition of the cod by-catch in Div. 3N (200 mm mesh size) is available only for October (Table IX-B, Fig. 4b), from 48 m to 53 m depth.

Despite the small sampling (84 fish measured), the data shows that lengths at 54 cm and at 60 cm dominated the catch, with a modal class at 54 cm (mean length and weight of 63.6 cm and 2259 g).

#### **2.1.5. Cod Div. 30**

Information on length composition of the cod by-catch in Div. 30 is available from March to October, except for April (Table X, Fig. 5), from 69 m to 457 m depth.

Lengths between 33 cm and 51 cm dominated the catch, with a very clear modal class at 39 cm (mean length and weight of 43.7 cm and 696 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, except for April (Table XI, Fig. 6), from 245 m to 1190 m depth.

Lengths between 20 cm and 24 cm dominated the catch, with a modal class at 22 cm (mean length and weight of 23.9 cm and 184 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 (Table XII, Fig. 7), from 145 m to 1078 m depth.

Lengths between 20 cm and 23 cm dominated the catch, with a modal class at 22 cm (mean length and weight of 22.7 cm and 180 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 for March and April and from June to September, except for July (Table XIII, Fig. 8), from 275 m to 590 m depth.

Lengths between 20 cm and 23 cm dominated the catch, with a modal class at 22 cm (mean length and weight of 23.1 cm and 167 g).

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

Information on length composition of the redfish (*S. mentella*) trawl catches in Div. 3O is available from March to September (Table XIV, Fig. 9), from 159 m to 519 m depth.

Lengths between 19 cm and 23 cm dominated the catches, with a modal class at 21 cm (mean length and weight of 20.2 cm and 125 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 for May, July and August (Table XV, Fig. 10), from 145 m to 315 m depth.

Lengths between 22 cm and 24 cm and at 28 cm and 30 cm dominated the catches, with a clear modal class at 22 (mean length and weight of 28.8 cm and 371 g).

#### **2.1.11. American plaice Div. 3L**

Information on length composition of the American plaice by-catch in Div. 3L is available for May and June and from September to November (Table XVI, Fig. 11), from 245 m to 344 m depth.

Lengths between 26 and 34 cm dominated the catch, with two modal classes at 28 cm and 30 cm (mean length and weight of 32 cm and 313 g).

#### **2.1.12. American plaice Div. 3M**

Information on length composition of the American plaice by-catch in Div. 3M is available from February to November, except for April (Table XVII, Fig. 12), from 141 m to 541 m depth.

Lengths between 24 and 34 cm dominated the catch, with a modal class at 30 cm (mean length and weight of 31.8 cm and 304 g).

#### **2.1.13. American plaice Div. 3N**

Information on length composition of the American plaice by-catch in Div. 3N is available from June to September, except for July (Table XVIII-A, Fig. 13a), from 42 m to 407 m depth.

Lengths between 28 and 38 cm and at 42 cm and 44 cm dominated the catch, with two modal classes at 34 cm and 36 cm (mean length and weight of 35.9 cm and 452 g).

#### **2.1.14. American plaice Div. 3N 200 mm mesh size**

Information on length composition of the American plaice by-catch in Div. 3N (200 mm mesh size) is available only for October (Table XVIII-B, Fig. 13b), from 48 m to 53 m depth.

Despite a small sampling (187 fish measured), the data shows that the lengths between 30 and 44 cm dominated the catch, with a modal class at 44 cm (mean length and weight of 38.3 cm and 570 g).

#### **2.1.15. American plaice Div. 3O**

Information on length composition of the American plaice by-catch in Div. 3O is available from April to October (Table XIX, Fig. 14), from 69 m to 458 m depth.

Lengths between 26 and 40 cm dominated the catch, with two modal classes at 30 cm and 32 cm (mean length and weight of 33.4 cm and 364 g).

#### **2.1.16. Greenland halibut Div. 3L**

Information on length composition of the Greenland halibut catches in Div. 3L is available from March to November, except for May and September (Table XX, Fig. 15), from 772 m to 1485 m depth.

Lengths between 38 cm and 44 cm and at 50 cm dominated the catch, with a modal class at 40 cm (mean length and weight of 44.4 cm and 837 g).

#### **2.1.17. Greenland halibut Div. 3M**

Information on length composition of the Greenland halibut catches in Div. 3M is available from March to July, except for May (Table XXI, Fig. 16), from 749 m to 1148 m depth.

Lengths at 40 cm and 42 cm and between 48 cm and 52 cm dominated the catch, with a two modal classes at 50 cm and 52 cm (mean length and weight of 48.9 cm and 1079 g).

#### **2.1.18. Greenland halibut Div. 3N**

Information on length composition of the Greenland halibut catches in Div. 3N is available only for July and August (Table XXII, Fig. 17), from 891 m to 1400 m depth.

Lengths between 40 cm and 52 cm dominated the catch, with a no clear modal class (mean length and weight of 47.7 cm and 991 g).

#### **2.1.19. Witch flounder Div. 3M**

Information on length composition of the witch flounder by-catch in Div. 3M is available from September to November (Table XXIII, Fig. 18), from 141 m to 204 m depth.

Lengths between 28 cm and 38 cm, with a very clear modal class at 28 cm (mean length and weight of 33.3 cm and 435 g).

#### **2.1.20. Witch flounder Div. 3N**

Information on length composition of the witch flounder by-catch in Div. 3N is available only for August (Table XXIV, Fig. 19), from 470 m to 1100 m depth.

Despite the small sampling (185 fish measured), the data shows that the lengths between 46 cm and 50 cm dominated the catch, with a very clear modal class at 46 cm (mean length and weight of 49.4 cm and 1030 g).

#### **2.1.21. Witch flounder Div. 30**

Information on length composition of the witch flounder by-catch in Div. 30 is available from July to September (Table XXV, Fig. 20), from 259 m to 431 m depth.

Lengths between 28 cm and 38 cm dominated the catch, with a modal class at 32 cm (mean length and weight of 33.1 cm and 237 g).

#### **2.1.22. Roughhead grenadier Div. 3L**

Information on length composition of the roughhead grenadier catches in Div. 3L is available for March and from June to August (Table XXVI, Fig. 21), from 829 m to 1255 m depth.

Anal fin lengths between 10 cm and 13 cm dominated the catch, with a very clear modal class at 12 cm (mean length and weight of 13.2 cm and 238 g).

#### **2.1.23. Roughhead grenadier Div. 3M**

Information on length composition of the roughhead grenadier catch in Div. 3M is available only for March and July (Table XXVII, Fig. 22), from 873 m to 1135 m depth.

Anal fin lengths between 10 cm and 13 cm dominated the catch, with a very clear modal class at 12 cm (mean length and weight of 12.6 cm and 206 g).

#### **2.1.24. Thorny skate Div. 3M**

Information on length composition of the thorny skate catches in Div. 3M is available only for February (Table XXVIII), from 377 m to 391 m depth.

Because the small sampling (1 samples, 22 fish measured) we not take any conclusion about the dominated lengths in the catch (mean length and weight of 64 cm and 3074 g).

#### **2.1.35. White hake Div. 30**

Information on length composition of the white hake catches in Div. 30 is available from May to September, except for July (Table XXIX, Fig. 23), from 251 m to 431 m depth.

Despite the large range of lengths, the data show that lengths between 43 cm and 46 cm, dominated the catch (mean length and weight of 45.8 cm and 836 g).

### **3. Acknowledgements**

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### **4. References**

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TABLE I-A: PORTUGUESE NOMINAL TRAWL CATCHES (mt) IN NAFO AREA, 2014  
(data extracted from NAFO Database Statlant 21A on 15 May 2015).

| SPECIES             | DIVISION |      |     |      | TOTAL<br>2014 |
|---------------------|----------|------|-----|------|---------------|
|                     | 3L       | 3M   | 3N  | 3O   |               |
| Cod                 | 34       | 5251 | 23  | 123  | 5431          |
| Redfish             | 1156     | 3475 | 257 | 4819 | 9707          |
| American plaice     | 25       | 114  | 29  | 109  | 277           |
| Yellowtail flounder |          |      | 14  | 15   | 29            |
| Witch flounder      | 5        | 109  | 15  | 79   | 208           |
| Greenland halibut   | 1325     | 577  | 62  | 2    | 1966          |
| Atlantic halibut    | 22       | 37   | 20  | 70   | 149           |
| Roughhead grenadier | 118      | 210  | 4   |      | 332           |
| Roundnose grenadier | 22       | 25   |     |      | 47            |
| Anarhichas spp.     |          | 3    |     |      | 3             |
| Hadocck             |          | 137  | 1   | 66   | 204           |
| Pollock             |          |      |     |      |               |
| White hake          |          |      | 1   | 107  | 108           |
| Red hake            |          |      |     |      |               |
| Silver Hake         |          |      |     | 532  | 532           |
| Capelin             |          |      |     |      |               |
| Skates              | 14       | 27   | 328 | 78   | 447           |
| Monkfish            |          |      | 3   | 24   | 27            |
| Squid               |          |      |     |      |               |
| Shrimp              |          |      |     |      |               |
| Unidentified        |          |      |     |      |               |
| TOTAL               | 2721     | 9965 | 757 | 6024 | 19467         |

TABLE I - B: PORTUGUESE NOMINAL TRAWL CATCHES (mt) IN NAFO DIV. 3LMNO (data extracted from NAFO Database Statlant 21A on 15 May 2015).

| SPECIES / YEAR      | 2013  | 2012  | 2011  | 2010  | 2009  | 2008  | 2007  | 2006  | 2005  | 2004  | 2003  | 2002  | 2001  |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cod                 | 4814  | 2946  | 2832  | 1528  | 1003  | 434   | 255   | 177   | 105   | 281   | 602   | 488   | 361   |
| Redfish             | 9504  | 8953  | 9983  | 10904 | 9361  | 7768  | 7758  | 9155  | 8832  | 6637  | 9219  | 6346  | 5561  |
| American plaice     | 407   | 468   | 198   | 160   | 298   | 355   | 443   | 376   | 371   | 517   | 748   | 634   | 636   |
| Yellowtail flounder | 94    | 267   | 71    | 27    | 71    | 145   |       | 134   | 188   | 68    | 287   | 123   | 350   |
| Witch flounder      | 128   | 108   | 128   | 71    | 131   | 221   | 124   | 141   | 150   | 591   | 485   | 436   | 576   |
| Greenland halibut   | 2124  | 2051  | 2493  | 2257  | 2075  | 1976  | 1873  | 2326  | 2256  | 1888  | 4369  | 4318  | 5027  |
| Atlantic halibut    | 96    | 70    | 46    | 56    | 469   | 23    | 32    | 43    | 20    | 59    | 89    | 47    | 45    |
| Roughhead grenadier | 88    | 488   | 251   | 83    | 266   | 50    | 34    | 77    | 262   | 381   | 302   | 508   | 613   |
| Roundnose grenadier | 10    | 39    | 48    | 27    | 198   | 29    | 37    | 54    |       |       |       |       |       |
| Anarhichas spp.     | 4     | 6     | 18    | 13    | 41    | 25    | 16    | 28    | 32    | 45    | 112   | 88    | 142   |
| Hadocck             | 78    | 64    | 13    | 1     | 3     | 1     | 2     |       | 6     | 23    | 141   | 78    | 22    |
| Pollock             | 1     |       |       |       |       |       |       |       |       | 4     | 114   |       |       |
| White hake          | 81    | 19    | 25    | 17    | 24    | 55    | 62    | 102   | 157   | 1266  | 4090  | 1678  |       |
| Red hake            | 1     | 1     | 69    | 1     |       | 3     | 2     | 4     | 18    | 13    | 2     | 1968  | 273   |
|                     | 30    | 35    |       |       |       |       |       |       |       | 6     |       |       |       |
| Capelin             |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Skates              | 496   | 427   | 435   | 304   | 1045  | 1252  | 1058  | 1003  | 576   | 1550  | 1942  | 1362  | 883   |
| Monkfish            | 7     | 4     | 1     | 11    | 3     | 13    | 35    | 34    | 6     | 73    | 165   | 71    |       |
| Squid               |       |       | 1     | 2     | 29    | 5     | 2     | 17    |       | 11    |       |       |       |
| Shrimp              |       | 5     |       | 15    | 332   |       |       |       |       | 50    |       | 16    | 420   |
| Unidentified        | 110   | 279   | 68    | 11    | 77    | 2     | 1     | 216   | 6     | 15    | 13    | 322   | 40    |
| TOTAL               | 18073 | 16230 | 16680 | 15488 | 15426 | 12357 | 11734 | 13887 | 12985 | 13478 | 22680 | 18483 | 14949 |

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 : PORTUGUESE TRAWL EFFORT IN FISHING DAYS  
IN NAFO Div. 3LMNO (data extracted from NAFO.  
(Database Statlant 21B on 9 June 2015)

| YEAR     | 3L  | 3M  | 3N  | 3O  | Total geral |
|----------|-----|-----|-----|-----|-------------|
| 2000     | 519 | 248 | 297 | 329 | 1393        |
| 2001     | 770 | 477 | 361 | 262 | 1870        |
| 2002     | 607 | 263 | 532 | 490 | 1892        |
| 2003     | 503 | 257 | 783 | 753 | 2296        |
| 2004     | 435 | 400 | 406 | 464 | 1705        |
| 2005     | 492 | 407 | 218 | 359 | 1476        |
| 2006     | 408 | 454 | 106 | 517 | 1485        |
| 2007     | 295 | 359 | 162 | 421 | 1237        |
| 2008     | 307 | 464 | 179 | 213 | 1163        |
| 2009     | 512 | 727 | 237 | 188 | 1664        |
| 2010     | 495 | 643 | 214 | 242 | 1594        |
| 2011     | 432 | 770 | 320 | 233 | 1755        |
| 2012     | 235 | 400 | 337 | 299 | 1271        |
| 2013     | 395 | 681 | 350 | 258 | 1684        |
| 2014 (a) | 410 | 765 | 182 | 297 | 1654        |

a) not extracted from Database Statlant 21B, provisional

TABLE III: Portuguese trawl fishery cpue's and bycatch by month and division for 2014.

| DIVISION | TARGET SPECIES | MONTH | DEPTH RANGE (m) |      | CPUE (ton/hour) | MAIN BYCATCH |      | WITCH FLOUNDER |             | TOTAL |
|----------|----------------|-------|-----------------|------|-----------------|--------------|------|----------------|-------------|-------|
|          |                |       | MIN.            | MAX. |                 | SPECIES      | %    | BYCATCH (%)    | BYCATCH (%) |       |
| 3M       | COD            | FEB   | 292             | 450  | 0.842           | RED          | 8.6  | 0.0            | 9.2         |       |
| 3M       | COD            | MAR   | 322             | 500  | 2.555           | RED          | 2.3  | 0.0            | 2.5         |       |
| 3M       | COD            | APR   | 260             | 489  | 1.390           | RED          | 2.9  | 0.0            | 3.2         |       |
| 3M       | COD            | MAY   | 183             | 400  | 0.901           | RED          | 7.1  | 0.0            | 7.7         |       |
| 3M       | COD            | JUL   | 198             | 458  | 0.475           | RED          | 20.4 | 0.3            | 24.2        |       |
| 3M       | COD            | AUG   | 145             | 213  | 4.772           | RED          | 1.5  | 0.2            | 3.1         |       |
| 3M       | COD            | SEP   | 141             | 368  | 1.693           | RED          | 4.1  | 1.3            | 9.3         |       |
| 3M       | COD            | OCT   | 280             | 377  | 1.091           | RED          | 15.7 | 0.0            | 20.1        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3L       | RED            | APR   | 803             | 808  | 0.125           | GHL          | 45.6 | 3.4            | 56.9        |       |
| 3L       | RED            | JUN   | 269             | 381  | 3.133           | COD          | 10.8 | 0.0            | 12.6        |       |
| 3L       | RED            | JUL   | 279             | 310  | 2.578           | COD          | 0.8  | 0.0            | 0.8         |       |
| 3L       | RED            | AUG   | 295             | 310  | 3.420           | RHG          | 3.0  | 0.0            | 5.2         |       |
| 3L       | RED            | SEP   | 248             | 337  | 3.942           | COD          | 8.0  | 0.0            | 10.9        |       |
| 3L       | RED            | OCT   | 248             | 307  | 5.692           | COD          | 7.6  | 0.0            | 9.9         |       |
| 3L       | RED            | NOV   | 244             | 326  | 3.796           | COD          | 7.7  | 0.0            | 12.9        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3M       | RED            | FEB   | 428             | 555  | 2.851           | COD          | 5.9  | 0.0            | 6.6         |       |
| 3M       | RED            | MAR   | 410             | 578  | 0.377           | COD          | 15.8 | 0.0            | 16.6        |       |
| 3M       | RED            | MAY   | 231             | 342  | 0.281           | COD          | 58.3 | 0.0            | 59.6        |       |
| 3M       | RED            | JUL   | 277             | 458  | 0.702           | COD          | 16.3 | 0.0            | 16.8        |       |
| 3M       | RED            | SEP   | 227             | 368  | 0.454           | COD          | 44.0 | 0.0            | 50.2        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3N       | RED            | MAR   | 320             | 580  | 0.730           | COD          | 3.2  | 0.0            | 3.6         |       |
| 3N       | RED            | APR   | 289             | 650  | 0.345           | HAL          | 3.8  | 0.9            | 6.4         |       |
| 3N       | RED            | MAY   | 292             | 369  | 0.224           | HAL          | 11.0 | 0.0            | 17.1        |       |
| 3N       | RED            | JUN   | 331             | 356  | 14.007          | COD          | 5.2  | 0.0            | 7.4         |       |
| 3N       | RED            | AUG   | 444             | 1100 | 0.709           | WIT          | 2.7  | 2.7            | 7.4         |       |
| 3N       | RED            | SEP   | 246             | 738  | 6.180           | COD          | 15.7 | 0.0            | 19.7        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3O       | RED            | MAR   | 185             | 407  | 2.939           | COD          | 2.6  | 1.8            | 7.0         |       |
| 3O       | RED            | APR   | 225             | 519  | 2.897           | COD          | 3.3  | 1.9            | 8.0         |       |
| 3O       | RED            | MAY   | 120             | 394  | 2.831           | COD          | 3.4  | 1.0            | 7.3         |       |
| 3O       | RED            | JUN   | 159             | 426  | 2.762           | COD          | 11.2 | 0.0            | 18.5        |       |
| 3O       | RED            | JUL   | 170             | 457  | 2.749           | HAL          | 0.7  | 0.1            | 1.5         |       |
| 3O       | RED            | AUG   | 198             | 488  | 1.656           | COD          | 4.1  | 1.1            | 9.6         |       |
| 3O       | RED            | SEP   | 94              | 486  | 2.303           | COD          | 7.8  | 2.9            | 19.6        |       |
| 3O       | RED            | OCT   | 255             | 263  | 6.857           | COD          | 9.7  | 2.2            | 18.2        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3L       | GHL            | MAR   | 1237            | 1404 | 0.750           | RHG          | 10.9 | 0.0            | 13.8        |       |
| 3L       | GHL            | APR   | 800             | 1083 | 0.363           | RED          | 4.9  | 0.3            | 9.2         |       |
| 3L       | GHL            | MAY   | 755             | 1263 | 0.241           | RHG          | 5.6  | 0.0            | 10.3        |       |
| 3L       | GHL            | JUN   | 928             | 940  | 0.747           | RHG          | 11.1 | 0.0            | 16.5        |       |
| 3L       | GHL            | JUL   | 722             | 1271 | 0.408           | RHG          | 1.5  | 0.7            | 2.6         |       |
| 3L       | GHL            | AUG   | 887             | 1235 | 0.225           | RHG          | 1.4  | 0.0            | 3.2         |       |
| 3L       | GHL            | OCT   | 777             | 1254 | 0.608           | RHG          | 10.7 | 5.4            | 17.6        |       |
| 3L       | GHL            | NOV   | 1180            | 1230 | 0.524           | RHG          | 8.5  | 0.0            | 9.8         |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3M       | GHL            | MAR   | 1109            | 1148 | 0.501           | RHG          | 9.2  | 0.0            | 14.4        |       |
| 3M       | GHL            | APR   | 783             | 1210 | 0.287           | RNG          | 19.5 | 0.0            | 27.4        |       |
| 3M       | GHL            | MAY   | 928             | 983  | 0.276           | RHG          | 18.0 | 0.0            | 18.0        |       |
| 3M       | GHL            | JUN   | 739             | 841  | 0.246           | RHG          | 12.3 | 0.0            | 15.7        |       |
| 3M       | GHL            | JUL   | 918             | 1211 | 0.282           | RNG          | 12.0 | 0.0            | 12.9        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3N       | GHL            | MAR   | 896             | 930  | 0.168           | SKA          | 19.6 | 0.0            | 20.0        |       |
| 3N       | GHL            | APR   | 841             | 934  | 0.352           | RHG          | 23.1 | 1.7            | 29.0        |       |
| 3N       | GHL            | MAY   | 845             | 990  | 0.232           | RHG          | 12.3 | 2.4            | 26.3        |       |
| 3N       | GHL            | JUL   | 891             | 1033 | 0.895           | WIT          | 4.4  | 4.4            | 5.7         |       |
| 3N       | GHL            | AUG   | 782             | 1400 | 0.243           | RHG          | 6.5  | 2.5            | 10.8        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3N       | RHG            | APR   | 912             | 934  | 0.201           | GHL          | 54.5 | 0.0            | 59.0        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3O       | HKW            | SEP   | 251             | 286  | 0.500           | COD          | 36.3 | 13.0           | 77.2        |       |
|          |                |       |                 |      |                 |              |      |                |             |       |
| 3N       | SKA            | AUG   | 42              | 61   | 0.700           | COD          | 3.1  | 0.0            | 5.9         |       |
| 3N       | SKA            | OCT   | 48              | 53   | 0.607           | PLA          | 22.5 | 0.0            | 41.4        |       |

TABLE IV - A: GREENLAND HALIBUT TRAWL CATCH RATES, 1988-2014: 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 | 0.455 | 0.083    | 36.4 |       |          |      |       |          |      | 0.412 | 0.087    | 42.3 | 1988 |
| 1989 | 0.433 | 0.073    | 50.7 |       |          |      |       |          |      | 0.390 | 0.072    | 55.7 | 1989 |
| 1990 | 0.364 | 0.039    | 36.8 | 0.148 |          |      | 0.173 |          |      | 0.312 | 0.036    | 43.7 | 1990 |
| 1991 | 0.244 | 0.049    | 45.2 |       |          |      | 0.127 | 0.031    | 42.2 | 0.183 | 0.036    | 55.3 | 1991 |
| 1992 | 0.176 | 0.030    | 54.7 |       |          |      | 0.258 | 0.032    | 42.8 | 0.247 | 0.032    | 61.8 | 1992 |
| 1993 | 0.127 | 0.007    | 7.6  |       |          |      | 0.172 | 0.021    | 41.8 | 0.223 | 0.025    | 41.4 | 1993 |
| 1994 | 0.110 | 0.003    | 3.9  |       |          |      | 0.111 | 0.017    | 36.9 | 0.154 | 0.031    | 56.3 | 1994 |
| 1995 | 0.131 | 0.010    | 22.1 | 0.157 | 0.012    | 16.6 | 0.123 | 0.024    | 50.9 | 0.150 | 0.016    | 48.5 | 1995 |
| 1996 | 0.167 | 0.022    | 48.0 | 0.187 | 0.022    | 34.5 | 0.172 | 0.019    | 29.6 | 0.165 | 0.012    | 40.5 | 1996 |
| 1997 | 0.191 | 0.012    | 20.5 | 0.243 | 0.023    | 27.0 | 0.130 | 0.009    | 9.2  | 0.187 | 0.015    | 36.0 | 1997 |
| 1998 | 0.274 | 0.017    | 22.8 | 0.235 | 0.024    | 34.8 | 0.210 | 0.019    | 30.4 | 0.253 | 0.012    | 29.3 | 1998 |
| 1999 | 0.293 | 0.024    | 26.1 | 0.342 | 0.039    | 33.8 | 0.261 | 0.020    | 23.0 | 0.299 | 0.018    | 33.5 | 1999 |
| 2000 | 0.268 | 0.024    | 23.6 | 0.288 | 0.021    | 16.0 | 0.303 | 0.043    | 28.2 | 0.276 | 0.023    | 32.9 | 2000 |
| 2001 | 0.209 | 0.023    | 29.5 | 0.204 | 0.011    | 13.8 | 0.193 | 0.017    | 20.1 | 0.204 | 0.014    | 30.3 | 2001 |
| 2002 | 0.219 | 0.016    | 23.6 | 0.223 | 0.030    | 44.7 | 0.269 | 0.032    | 23.6 | 0.218 | 0.017    | 38.9 | 2002 |
| 2003 | 0.221 | 0.026    | 36.7 | 0.217 | 0.031    | 40.4 | 0.205 | 0.021    | 24.6 | 0.220 | 0.019    | 42.3 | 2003 |
| 2004 | 0.122 | 0.016    | 39.5 | 0.103 | 0.024    | 68.7 | 0.142 | 0.010    | 19.5 | 0.137 | 0.014    | 56.3 | 2004 |
| 2005 | 0.211 | 0.017    | 11.3 | 0.299 | 0.086    | 40.8 |       |          |      | 0.225 | 0.023    | 20.8 | 2005 |
| 2006 | 0.448 | 0.049    | 26.8 | 0.254 | 0.044    | 29.9 |       |          |      | 0.350 | 0.045    | 38.1 | 2006 |
| 2007 | 0.655 | 0.085    | 31.6 | 0.402 | 0.065    | 32.2 |       |          |      | 0.525 | 0.068    | 40.9 | 2007 |
| 2008 | 0.445 | 0.035    | 19.4 | 0.425 | 0.026    | 12.3 |       |          |      | 0.407 | 0.020    | 15.8 | 2008 |
| 2009 | 0.719 | 0.091    | 38.0 | 0.634 | 0.048    | 21.2 |       |          |      | 0.653 | 0.049    | 32.2 | 2009 |
| 2010 | 0.415 | 0.035    | 27.0 | 0.371 | 0.020    | 9.4  | 0.474 |          |      | 0.397 | 0.028    | 26.0 | 2010 |
| 2011 | 0.780 | 0.073    | 23.2 | 0.631 | 0.082    | 29.2 |       |          |      | 0.688 | 0.060    | 29.1 | 2011 |
| 2012 | 0.362 | 0.031    | 12.5 | 0.312 |          |      |       |          |      | 0.337 | 0.033    | 17.3 | 2012 |
| 2013 | 0.457 | 0.049    | 27.1 | 0.281 | 0.020    | 14.7 | 0.387 | 0.040    | 14.9 | 0.384 | 0.031    | 28.9 | 2013 |
| 2014 | 0.441 | 0.071    | 44.4 | 0.286 | 0.040    | 25.2 | 0.416 | 0.205    | 88.8 | 0.403 | 0.063    | 58.6 | 2014 |

TABLE IV - B: GREENLAND HALIBUT TRAWL CATCH RATES,  
1988-2014 mean cpue's by division corrected for the year, month  
and vessel of each observation.

|      | CPUE  | ST.ERROR | C.V. |      |
|------|-------|----------|------|------|
| 3L   | 0.325 | 0.008    | 35.3 | 3L   |
| 3M   | 0.287 | 0.008    | 30.4 | 3M   |
| 3N   | 0.209 | 0.008    | 38.4 | 3N   |
| 3LMN | 0.283 | 0.005    | 38.4 | 3LMN |

TABLE V: Intensity of the trawl sampling during 2014, by species, division and month.

| SPECIES                        | DIV. | MONTH | N° OF<br>SAMPLES | N° FISH<br>MEASURED | SAMPLING<br>WEIGHT(Kg) | OTOLITHS |                   |
|--------------------------------|------|-------|------------------|---------------------|------------------------|----------|-------------------|
|                                |      |       |                  |                     |                        | N°       | LENGTH RANGE (cm) |
| COD                            | 3L   | MAR   | 1                | 125                 | 143                    | -        | -                 |
| COD                            | 3L   | MAY   | 1                | 91                  | 128                    | -        | -                 |
| COD                            | 3L   | JUN   | 7                | 804                 | 1202                   | -        | -                 |
| COD                            | 3L   | JUL   | 1                | 88                  | 90                     | -        | -                 |
| COD                            | 3L   | SEP   | 10               | 1288                | 1444                   | 75       | 29-86             |
| COD                            | 3L   | OCT   | 9                | 1029                | 1120                   | 124      | 19-62             |
| COD                            | 3L   | NOV   | 3                | 361                 | 311                    | -        | -                 |
| COD                            | 3M   | FEB   | 13               | 1632                | 2622                   | -        | -                 |
| COD                            | 3M   | MAR   | 16               | 2278                | 2687                   | -        | -                 |
| COD                            | 3M   | APR   | 2                | 276                 | 321                    | -        | -                 |
| COD                            | 3M   | MAY   | 12               | 1552                | 1984                   | -        | -                 |
| COD                            | 3M   | JUN   | 3                | 409                 | 525                    | -        | -                 |
| COD                            | 3M   | JUL   | 16               | 2434                | 2979                   | 71       | 43-100            |
| COD                            | 3M   | AUG   | 4                | 491                 | 582                    | 108      | 27-85             |
| COD                            | 3M   | SEP   | 8                | 998                 | 1483                   | 137      | 26-112            |
| COD                            | 3M   | OCT   | 1                | 166                 | 212                    | -        | -                 |
| COD                            | 3M   | NOV   | 2                | 252                 | 530                    | 76       | 26-97             |
| COD                            | 3N   | JUN   | 1                | 82                  | 115                    | -        | -                 |
| COD                            | 3N   | AUG   | 4                | 340                 | 324                    | -        | -                 |
| COD                            | 3N   | SEP   | 7                | 938                 | 1134                   | -        | -                 |
| COD                            | 3N   | OCT   | 1                | 84                  | 270                    | -        | -                 |
| COD                            | 3O   | MAR   | 1                | 100                 | 120                    | -        | -                 |
| COD                            | 3O   | MAY   | 1                | 79                  | 103                    | -        | -                 |
| COD                            | 3O   | JUN   | 7                | 682                 | 944                    | -        | -                 |
| COD                            | 3O   | JUL   | 4                | 375                 | 377                    | -        | -                 |
| COD                            | 3O   | AUG   | 1                | 81                  | 63                     | -        | -                 |
| COD                            | 3O   | SEP   | 10               | 1341                | 1282                   | -        | -                 |
| COD                            | 3O   | OCT   | 2                | 309                 | 370                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3L   | MAR   | 4                | 488                 | 266                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3L   | MAY   | 1                | 222                 | 46                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3L   | JUN   | 12               | 2308                | 697                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3L   | JUL   | 1                | 200                 | 41                     | 69       | 22-35             |
| REDFISH ( <i>S. mentella</i> ) | 3L   | AUG   | 1                | 200                 | 48                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3L   | SEP   | 8                | 2094                | 670                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3L   | OCT   | 8                | 2017                | 645                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3L   | NOV   | 4                | 1104                | 340                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | FEB   | 11               | 1922                | 374                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | MAR   | 18               | 3003                | 993                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | APR   | 1                | 173                 | 52                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | MAY   | 12               | 2304                | 613                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | JUN   | 3                | 560                 | 139                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | JUL   | 14               | 3657                | 1334                   | 80       | 21-35             |
| REDFISH ( <i>S. mentella</i> ) | 3M   | AUG   | 4                | 706                 | 203                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | SEP   | 7                | 1248                | 432                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | OCT   | 1                | 193                 | 72                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3M   | NOV   | 1                | 133                 | 74                     | -        | -                 |

TABLE V: (cont.)

| SPECIES                        | DIV. | MONTH | N° OF<br>SAMPLES | N° FISH<br>MEASURED | SAMPLING<br>WEIGHT(Kg) | OTOLITHS |                   |
|--------------------------------|------|-------|------------------|---------------------|------------------------|----------|-------------------|
|                                |      |       |                  |                     |                        | N°       | LENGTH RANGE (cm) |
| REDFISH ( <i>S. mentella</i> ) | 3N   | MAR   | 1                | 100                 | 13                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3N   | APR   | 1                | 100                 | 19                     | 100      | 21-30             |
| REDFISH ( <i>S. mentella</i> ) | 3N   | JUN   | 1                | 213                 | 46                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3N   | AUG   | 1                | 210                 | 47                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3N   | SEP   | 7                | 1721                | 473                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3O   | MAR   | 1                | 100                 | 15                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3O   | APR   | 1                | 100                 | 15                     | 91       | 18-25             |
| REDFISH ( <i>S. mentella</i> ) | 3O   | MAY   | 2                | 326                 | 44                     | 100      | 20-26             |
| REDFISH ( <i>S. mentella</i> ) | 3O   | JUN   | 7                | 1548                | 256                    | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3O   | JUL   | 1                | 202                 | 29                     | 61       | 18-31             |
| REDFISH ( <i>S. mentella</i> ) | 3O   | AUG   | 2                | 384                 | 49                     | -        | -                 |
| REDFISH ( <i>S. mentella</i> ) | 3O   | SEP   | 9                | 1834                | 232                    | -        | -                 |
| REDFISH ( <i>S. marinus</i> )  | 3M   | MAY   | 4                | 372                 | 88                     | -        | -                 |
| REDFISH ( <i>S. marinus</i> )  | 3M   | JUL   | 4                | 814                 | 444                    | 50       | 28-44             |
| REDFISH ( <i>S. marinus</i> )  | 3M   | AUG   | 1                | 78                  | 19                     | -        | -                 |
| AMERICAN PLAICE                | 3L   | MAY   | 1                | 111                 | 41                     | -        | -                 |
| AMERICAN PLAICE                | 3L   | JUN   | 5                | 631                 | 224                    | -        | -                 |
| AMERICAN PLAICE                | 3L   | SEP   | 10               | 1373                | 663                    | -        | -                 |
| AMERICAN PLAICE                | 3L   | OCT   | 8                | 945                 | 461                    | -        | -                 |
| AMERICAN PLAICE                | 3L   | NOV   | 3                | 278                 | 111                    | -        | -                 |
| AMERICAN PLAICE                | 3M   | FEB   | 4                | 300                 | 37                     | -        | -                 |
| AMERICAN PLAICE                | 3M   | MAR   | 15               | 1257                | 234                    | -        | -                 |
| AMERICAN PLAICE                | 3M   | MAY   | 2                | 68                  | 20                     | -        | -                 |
| AMERICAN PLAICE                | 3M   | JUN   | 3                | 243                 | 100                    | -        | -                 |
| AMERICAN PLAICE                | 3M   | JUL   | 13               | 1687                | 712                    | -        | -                 |
| AMERICAN PLAICE                | 3M   | AUG   | 2                | 143                 | 63                     | -        | -                 |
| AMERICAN PLAICE                | 3M   | SEP   | 8                | 962                 | 446                    | -        | -                 |
| AMERICAN PLAICE                | 3M   | OCT   | 1                | 147                 | 76                     | -        | -                 |
| AMERICAN PLAICE                | 3M   | NOV   | 2                | 333                 | 160                    | -        | -                 |
| AMERICAN PLAICE                | 3N   | JUN   | 1                | 101                 | 44                     | -        | -                 |
| AMERICAN PLAICE                | 3N   | AUG   | 4                | 379                 | 170                    | -        | -                 |
| AMERICAN PLAICE                | 3N   | SEP   | 3                | 464                 | 206                    | -        | -                 |
| AMERICAN PLAICE                | 3N   | OCT   | 1                | 187                 | 111                    | -        | -                 |
| AMERICAN PLAICE                | 3O   | APR   | 1                | 100                 | 138                    | -        | -                 |
| AMERICAN PLAICE                | 3O   | MAY   | 2                | 219                 | 161                    | 79       | 35-70             |
| AMERICAN PLAICE                | 3O   | JUN   | 7                | 781                 | 297                    | -        | -                 |
| AMERICAN PLAICE                | 3O   | JUL   | 1                | 107                 | 47                     | -        | -                 |
| AMERICAN PLAICE                | 3O   | AUG   | 1                | 104                 | 32                     | -        | -                 |
| AMERICAN PLAICE                | 3O   | SEP   | 8                | 1216                | 541                    | -        | -                 |
| AMERICAN PLAICE                | 3O   | OCT   | 2                | 327                 | 142                    | -        | -                 |

TABLE V: (cont.)

| SPECIES             | DIV. | MONTH | N° OF<br>SAMPLES | N° FISH<br>MEASURED | SAMPLING<br>WEIGHT(Kg) | OTOLITHS |                   |
|---------------------|------|-------|------------------|---------------------|------------------------|----------|-------------------|
|                     |      |       |                  |                     |                        | N°       | LENGTH RANGE (cm) |
| GREENLAND HALIBUT   | 3L   | MAR   | 8                | 1906                | 1426                   | -        | -                 |
| GREENLAND HALIBUT   | 3L   | APR   | 2                | 200                 | 275                    | -        | -                 |
| GREENLAND HALIBUT   | 3L   | JUN   | 13               | 3017                | 2805                   | -        | -                 |
| GREENLAND HALIBUT   | 3L   | JUL   | 2                | 400                 | 527                    | 97       | 38-72             |
| GREENLAND HALIBUT   | 3L   | AUG   | 2                | 400                 | 567                    | -        | -                 |
| GREENLAND HALIBUT   | 3L   | OCT   | 12               | 2878                | 2120                   | -        | -                 |
| GREENLAND HALIBUT   | 3L   | NOV   | 3                | 963                 | 715                    | -        | -                 |
| GREENLAND HALIBUT   | 3M   | MAR   | 6                | 1171                | 935                    | -        | -                 |
| GREENLAND HALIBUT   | 3M   | APR   | 2                | 200                 | 259                    | 100      | 41-67             |
| GREENLAND HALIBUT   | 3M   | JUN   | 1                | 113                 | 101                    | -        | -                 |
| GREENLAND HALIBUT   | 3M   | JUL   | 1                | 199                 | 346                    | 39       | 42-65             |
| GREENLAND HALIBUT   | 3N   | JUL   | 2                | 413                 | 543                    | 91       | 40-76             |
| GREENLAND HALIBUT   | 3N   | AUG   | 2                | 400                 | 475                    | -        | -                 |
| ROUGHHEAD GRENADIER | 3L   | MAR   | 3                | 480                 | 231                    | -        | -                 |
| ROUGHHEAD GRENADIER | 3L   | JUN   | 2                | 333                 | 159                    | -        | -                 |
| ROUGHHEAD GRENADIER | 3L   | JUL   | 1                | 200                 | 34                     | -        | -                 |
| ROUGHHEAD GRENADIER | 3L   | AUG   | 1                | 200                 | 71                     | -        | -                 |
| ROUGHHEAD GRENADIER | 3M   | MAR   | 3                | 452                 | 182                    | -        | -                 |
| ROUGHHEAD GRENADIER | 3M   | JUL   | 1                | 200                 | 42                     | -        | -                 |
| WITCH FLOUNDER      | 3M   | SEP   | 3                | 318                 | 126                    | -        | -                 |
| WITCH FLOUNDER      | 3M   | OCT   | 1                | 124                 | 49                     | -        | -                 |
| WITCH FLOUNDER      | 3M   | NOV   | 1                | 113                 | 48                     | -        | -                 |
| WITCH FLOUNDER      | 3N   | AUG   | 1                | 185                 | 124                    | -        | -                 |
| WITCH FLOUNDER      | 3O   | JUL   | 1                | 86                  | 72                     | -        | -                 |
| WITCH FLOUNDER      | 3O   | AUG   | 1                | 77                  | 20                     | -        | -                 |
| WITCH FLOUNDER      | 3O   | SEP   | 10               | 1398                | 592                    | -        | -                 |
| WHITE HAKE          | 3O   | MAY   | 1                | 68                  | 97                     | -        | -                 |
| WHITE HAKE          | 3O   | JUN   | 3                | 247                 | 375                    | -        | -                 |
| WHITE HAKE          | 3O   | AUG   | 1                | 55                  | 61                     | -        | -                 |
| WHITE HAKE          | 3O   | SEP   | 3                | 334                 | 363                    | -        | -                 |
| THORNY SKATE        | 3M   | FEB   | 1                | 22                  | 69                     | -        | -                 |

TABLE VI: Length-weight relationship by species, stock and sex in 2014.

| Species | Stock    | Sex | a      | b      | n    | $r^2$ | Length interval (cm) |
|---------|----------|-----|--------|--------|------|-------|----------------------|
| COD     | 2J3KL    | T   | 0.0162 | 2.9332 | 199  | 0.991 | 19-86                |
| COD     | 3M       | T   | 0.0105 | 2.9888 | 1170 | 0.983 | 26-112               |
| COD     | 3NO      | T   | 0.0047 | 3.1244 | 100  | 0.963 | 47-65                |
| GHL     | 2J3KLMNO | F   | 0.0119 | 2.9209 | 480  | 0.995 | 32-72                |
| GHL     | 2J3KLMNO | M   | 0.0070 | 3.0511 | 355  | 0.991 | 32-76                |
| GHL     | 2J3KLMNO | T   | 0.0087 | 2.9974 | 835  | 0.995 | 32-76                |
| PLA     | 3LNO     | F   | 0.0044 | 3.1970 | 98   | 0.987 | 35-65                |
| PLA     | 3LNO     | M   | 0.0043 | 3.1872 | 75   | 0.960 | 37-63                |
| PLA     | 3LNO     | T   | 0.0054 | 3.1403 | 173  | 0.991 | 35-65                |
| PLA     | 3M       | F   | 0.0403 | 2.5676 | 86   | 0.954 | 16-41                |
| PLA     | 3M       | M   | 0.0517 | 2.4676 | 56   | 0.967 | 14-38                |
| PLA     | 3M       | T   | 0.0429 | 2.5504 | 142  | 0.967 | 14-41                |
| REB     | 3LN      | F   | 0.0849 | 2.3982 | 127  | 0.952 | 20-31                |
| REB     | 3LN      | M   | 0.0386 | 2.6429 | 171  | 0.965 | 20-32                |
| REB     | 3LN      | T   | 0.0462 | 2.5880 | 298  | 0.960 | 20-32                |
| REB     | 3M       | F   | 0.0182 | 2.9203 | 319  | 0.993 | 13-43                |
| REB     | 3M       | M   | 0.0119 | 3.0507 | 381  | 0.991 | 13-44                |
| REB     | 3M       | T   | 0.0147 | 2.9883 | 700  | 0.991 | 13-44                |
| REB     | 3O       | F   | 0.7828 | 1.7046 | 185  | 0.958 | 7-30                 |
| REB     | 3O       | M   | 0.0423 | 2.6129 | 220  | 0.975 | 18-31                |
| REB     | 3O       | T   | 0.6570 | 1.7645 | 405  | 0.950 | 7-31                 |
| REG     | 3M       | F   | 0.0108 | 3.0572 | 48   | 0.982 | 19-44                |
| REG     | 3M       | M   | 0.0060 | 3.2250 | 49   | 0.992 | 16-42                |
| REG     | 3M       | T   | 0.0081 | 3.1379 | 97   | 0.989 | 16-44                |

TABLE VII: COD, DIV. 3L, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH GROUP        | MAR     | MAY     | JUN     | JUL     | SEP     | OCT     | NOV     | 1st Q.  | 2nd Q.  | 3rd Q.  | 4th Q.  | YEAR    | LENGTH GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|
| 18                  |         |         |         |         |         | 1.8     |         |         |         |         | 1.3     | 0.5     | 18           |
| 21                  |         |         |         |         |         | 2.1     |         |         |         |         | 1.5     | 0.6     | 21           |
| 24                  |         |         | 0.5     |         | 1.6     | 10.0    | 7.6     |         | 0.5     | 1.6     | 9.3     | 4.2     | 24           |
| 27                  |         |         | 3.8     |         | 8.5     | 40.4    | 38.7    |         | 3.6     | 8.4     | 39.9    | 18.6    | 27           |
| 30                  |         |         | 9.5     |         | 35.7    | 71.6    | 80.2    |         | 9.0     | 35.4    | 74.1    | 41.7    | 30           |
| 33                  | 24.0    |         | 31.7    |         | 53.5    | 132.1   | 190.0   | 24.0    | 29.9    | 53.2    | 149.1   | 82.4    | 33           |
| 36                  | 88.0    |         | 56.1    |         | 118.9   | 139.6   | 154.1   | 88.0    | 53.1    | 118.2   | 143.8   | 113.0   | 36           |
| 39                  | 168.0   | 11.0    | 173.9   |         | 166.3   | 188.7   | 196.0   | 168.0   | 164.9   | 165.4   | 190.9   | 175.2   | 39           |
| 42                  | 128.0   | 54.9    | 196.5   |         | 149.4   | 149.3   | 93.3    | 128.0   | 188.7   | 148.5   | 132.9   | 147.8   | 42           |
| 45                  | 80.0    | 120.9   | 126.7   |         | 190.9   | 113.5   | 89.6    | 80.0    | 126.4   | 189.8   | 106.5   | 135.3   | 45           |
| 48                  | 144.0   | 340.7   | 146.8   |         | 119.2   | 55.3    | 57.0    | 144.0   | 157.4   | 118.6   | 55.8    | 104.4   | 48           |
| 51                  | 296.0   | 219.8   | 166.8   | 22.7    | 77.1    | 28.8    | 56.9    | 296.0   | 169.7   | 76.8    | 37.0    | 101.2   | 51           |
| 54                  | 32.0    | 219.8   | 56.0    | 34.1    | 50.0    | 43.3    | 17.7    | 32.0    | 65.0    | 49.9    | 35.8    | 45.4    | 54           |
| 57                  | 8.0     | 22.0    | 20.0    | 34.1    | 17.1    | 7.7     | 11.4    | 8.0     | 20.1    | 17.2    | 8.8     | 13.6    | 57           |
| 60                  |         | 11.0    | 8.3     | 45.5    | 6.1     | 5.2     | 7.6     |         | 8.4     | 6.3     | 5.9     | 5.9     | 60           |
| 63                  | 16.0    |         | 1.1     | 306.8   | 1.6     | 9.4     |         | 16.0    | 1.1     | 3.3     | 6.7     | 5.5     | 63           |
| 66                  |         |         | 1.8     | 284.1   | 2.2     | 0.9     |         |         | 1.7     | 3.8     | 0.6     | 1.8     | 66           |
| 69                  | 8.0     |         | 0.6     | 113.6   | 0.7     |         |         | 8.0     | 0.6     | 1.4     |         | 1.4     | 69           |
| 72                  | 8.0     |         |         | 136.4   |         |         |         | 8.0     |         | 0.8     |         | 1.1     | 72           |
| 75                  |         |         |         | 22.7    |         |         |         |         |         | 0.1     |         | 0.04    | 75           |
| 78                  |         |         |         |         |         |         |         |         |         |         |         |         | 78           |
| 81                  |         |         |         |         |         |         |         |         |         |         |         |         | 81           |
| 84                  |         |         |         |         | 1.4     |         |         |         |         | 1.4     |         | 0.5     | 84           |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |              |
| No. SAMPLES         | 1       | 1       | 7       | 1       | 10      | 9       | 3       | 1       | 8       | 11      | 12      | 32      |              |
| SAMPLING WEIGHT(kg) | 143     | 128     | 1202    | 90      | 1444    | 1120    | 311     | 143     | 1331    | 1533    | 1431    | 4438    |              |
| No. F.MEASURED      | 125     | 91      | 804     | 88      | 1288    | 1029    | 361     | 125     | 895     | 1376    | 1390    | 3786    |              |
| MEAN LENGTH(cm)     | 47.3    | 51.0    | 46.1    | 66.6    | 44.3    | 41.1    | 40.2    | 47.3    | 46.4    | 44.5    | 40.8    | 43.7    |              |
| MEAN WEIGHT (g)     | 1406    | 1676    | 1292    | 3662    | 1169    | 956     | 897     | 1406    | 1313    | 1183    | 939     | 1137    |              |
| DEPTH RANGE (m)     | 380/471 | 245/325 | 269/344 | 279/288 | 253/331 | 249/301 | 246/295 | 380/471 | 245/344 | 253/331 | 246/301 | 245/471 |              |

TABLE VIII-A: COD, DIV. 3M, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH GROUP        | FEB     | MAR     | APR     | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | 1st Q.  | 2nd Q.  | 3rd Q.  | 4th Q.  | YEAR    | LENGTH GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|
| 21                  |         |         |         |         |         | 0.5     |         |         |         |         |         |         | 0.2     |         | 0.1     | 21           |
| 24                  |         |         |         | 1.4     | 3.9     | 4.2     |         | 3.2     |         | 11.6    |         | 1.5     | 2.5     | 5.6     | 1.3     | 24           |
| 27                  | 0.5     | 1.0     | 1.1     | 4.3     | 7.7     | 16.6    | 6.4     | 11.9    |         | 12.5    | 1.0     | 4.3     | 11.7    | 6.1     | 5.4     | 27           |
| 30                  | 7.0     | 9.9     | 2.3     | 14.3    | 10.8    | 46.1    | 10.6    | 46.1    |         | 14.3    | 9.6     | 11.6    | 34.1    | 7.0     | 17.8    | 30           |
| 33                  | 8.6     | 18.3    | 5.7     | 30.6    | 24.6    | 48.9    | 35.1    | 53.3    | 36.1    | 40.2    | 17.4    | 25.3    | 45.6    | 38.1    | 28.8    | 33           |
| 36                  | 57.3    | 52.7    | 8.0     | 49.6    | 45.9    | 53.4    | 71.9    | 82.5    | 18.1    | 47.4    | 53.1    | 41.7    | 68.4    | 32.3    | 54.3    | 36           |
| 39                  | 212.6   | 140.0   | 53.6    | 263.6   | 226.4   | 155.7   | 171.4   | 123.6   | 90.4    | 181.4   | 147.0   | 221.1   | 151.3   | 134.6   | 168.8   | 39           |
| 42                  | 124.8   | 160.2   | 46.7    | 232.5   | 262.7   | 211.8   | 155.4   | 78.5    | 132.5   | 37.6    | 156.8   | 204.2   | 152.8   | 86.4    | 167.4   | 42           |
| 45                  | 85.2    | 120.0   | 83.3    | 121.4   | 111.9   | 107.7   | 177.5   | 113.5   | 78.3    | 38.5    | 116.7   | 113.3   | 132.9   | 59.0    | 119.6   | 45           |
| 48                  | 154.1   | 127.1   | 153.0   | 68.4    | 61.5    | 51.5    | 132.5   | 111.3   | 162.7   | 57.3    | 129.7   | 82.3    | 96.8    | 111.5   | 105.7   | 48           |
| 51                  | 162.7   | 163.3   | 308.3   | 107.8   | 112.9   | 80.0    | 86.4    | 122.7   | 96.4    | 132.1   | 163.2   | 143.8   | 95.0    | 113.7   | 135.4   | 51           |
| 54                  | 97.1    | 90.2    | 182.7   | 44.0    | 53.4    | 63.8    | 54.8    | 112.4   | 174.7   | 172.4   | 90.9    | 69.8    | 75.4    | 173.6   | 81.9    | 54           |
| 57                  | 10.6    | 23.8    | 106.2   | 28.8    | 49.8    | 50.7    | 22.8    | 36.2    | 48.2    | 52.8    | 22.5    | 45.5    | 37.0    | 50.4    | 34.1    | 57           |
| 60                  | 16.7    | 21.4    | 20.5    | 22.6    | 19.0    | 26.3    | 31.8    | 16.3    | 48.2    | 12.5    | 20.9    | 21.7    | 25.2    | 30.9    | 22.7    | 60           |
| 63                  | 8.2     | 17.6    | 9.1     | 4.5     | 3.7     | 26.0    | 9.6     | 8.2     | 18.1    | 41.9    | 16.7    | 5.2     | 15.1    | 29.7    | 13.2    | 63           |
| 66                  | 11.9    | 20.2    | 10.3    | 3.3     | 5.7     | 16.8    |         | 15.0    | 30.1    | 29.4    | 19.4    | 4.9     | 10.6    | 29.8    | 12.8    | 66           |
| 69                  | 17.1    | 14.1    | 1.1     | 2.5     |         | 18.1    | 11.7    | 11.5    | 12.0    | 28.6    | 14.4    | 1.9     | 14.0    | 20.1    | 10.9    | 69           |
| 72                  | 13.2    | 10.1    | 8.0     | 0.5     |         | 12.2    | 7.5     | 11.9    | 6.0     | 32.2    | 10.4    | 1.8     | 10.5    | 18.7    | 8.2     | 72           |
| 75                  | 1.3     | 3.7     |         | 0.1     |         | 3.7     | 7.5     | 10.0    | 24.1    | 14.3    | 3.4     | 0.1     | 6.9     | 19.4    | 3.9     | 75           |
| 78                  | 7.9     | 2.6     |         |         |         | 2.0     |         | 13.1    | 18.1    |         | 3.1     |         | 4.6     | 9.3     | 2.8     | 78           |
| 81                  | 0.6     | 3.4     |         |         |         | 0.7     | 4.6     | 4.5     | 6.0     | 4.5     | 3.1     |         | 3.2     | 5.3     | 2.3     | 81           |
| 84                  | 2.6     | 0.4     |         |         |         | 0.8     | 2.5     | 3.9     |         | 10.8    | 0.6     |         | 2.3     | 5.2     | 1.1     | 84           |
| 87                  |         |         |         |         |         | 1.1     |         | 1.6     |         | 8.0     |         |         | 0.9     | 3.9     | 0.4     | 87           |
| 90                  |         |         |         |         |         | 0.7     |         | 1.0     |         | 7.2     |         |         | 0.5     | 3.5     | 0.2     | 90           |
| 93                  |         |         |         |         |         |         |         | 2.4     |         | 8.0     |         |         | 0.7     | 3.9     | 0.3     | 93           |
| 96                  |         |         |         |         |         | 0.3     |         |         |         | 4.5     |         |         | 0.1     | 2.2     | 0.1     | 96           |
| 99                  |         |         |         |         |         |         |         | 3.1     |         |         |         |         | 0.9     |         | 0.3     | 99           |
| 102                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 102          |
| 105                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 105          |
| 108                 |         |         |         |         |         | 0.3     |         |         |         |         |         |         | 0.1     |         | 0.04    | 108          |
| 111                 |         |         |         |         |         |         |         | 2.3     |         |         |         |         | 0.7     |         | 0.2     | 111          |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |              |
| No. SAMPLES         | 13      | 16      | 2       | 12      | 3       | 16      | 4       | 8       | 1       | 2       | 29      | 17      | 28      | 3       | 77      |              |
| SAMPLING WEIGHT(kg) | 2622    | 2687    | 321     | 1984    | 525     | 2979    | 582     | 1483    | 212     | 530     | 5309    | 2830    | 5043    | 742     | 13925   |              |
| No. F.MEASURED      | 1632    | 2278    | 276     | 1552    | 409     | 2434    | 491     | 998     | 166     | 252     | 3910    | 2237    | 3923    | 418     | 10488   |              |
| MEAN LENGTH(cm)     | 48.4    | 48.8    | 52.0    | 45.2    | 45.7    | 46.9    | 47.0    | 48.6    | 51.8    | 52.3    | 48.7    | 46.5    | 47.4    | 52.0    | 47.8    |              |
| MEAN WEIGHT (g)     | 1252    | 1278    | 1464    | 993     | 1023    | 1195    | 1150    | 1379    | 1557    | 1738    | 1276    | 1081    | 1235    | 1645    | 1216    |              |
| DEPTH RANGE (m)     | 292/528 | 388/541 | 408/450 | 183/432 | 250/286 | 222/320 | 154/175 | 154/368 | 280/377 | 149/202 | 292/541 | 183/450 | 154/368 | 149/377 | 149/541 |              |

TABLE VIII-B: COD, DIV. 3M, 2014: Age length key.

| LENGTH<br>GROUP | AGES |   |    |    |     |    |    |    |   |    | TOTAL | LENGTH<br>GROUP |
|-----------------|------|---|----|----|-----|----|----|----|---|----|-------|-----------------|
|                 | 1    | 2 | 3  | 4  | 5   | 6  | 7  | 8  | 9 | 10 |       |                 |
| 21              | 1    |   |    |    |     |    |    |    |   |    | 1     | 21              |
| 24              |      | 3 |    | 1  |     |    |    |    |   |    | 4     | 24              |
| 27              |      | 2 | 2  | 6  |     |    |    |    |   |    | 10    | 27              |
| 30              |      |   | 6  | 8  |     |    |    |    |   |    | 14    | 30              |
| 33              |      |   | 1  | 22 |     |    |    |    |   |    | 23    | 33              |
| 36              |      |   |    | 18 | 5   |    |    |    |   |    | 23    | 36              |
| 39              |      |   | 1  | 16 | 8   |    |    |    |   |    | 25    | 39              |
| 42              |      |   |    | 6  | 16  | 1  |    |    |   |    | 23    | 42              |
| 45              |      |   | 1  | 5  | 17  | 1  |    |    |   |    | 24    | 45              |
| 48              |      |   |    | 5  | 21  | 3  |    |    |   |    | 29    | 48              |
| 51              |      |   | 1  | 3  | 23  | 4  |    |    |   |    | 31    | 51              |
| 54              |      |   |    | 3  | 22  | 12 |    |    |   |    | 37    | 54              |
| 57              |      |   |    | 2  | 11  | 14 |    |    |   |    | 27    | 57              |
| 60              |      |   |    |    | 6   | 14 | 2  |    |   |    | 22    | 60              |
| 63              |      |   |    |    | 2   | 10 | 3  | 1  |   |    | 16    | 63              |
| 66              |      |   |    |    | 2   | 8  | 5  |    |   |    | 15    | 66              |
| 69              |      |   |    |    |     | 10 | 6  | 1  |   |    | 17    | 69              |
| 72              |      |   |    |    |     | 9  | 2  | 1  |   |    | 12    | 72              |
| 75              |      |   |    |    |     | 2  | 4  | 2  |   |    | 8     | 75              |
| 78              |      |   |    |    |     | 3  | 1  | 1  |   |    | 5     | 78              |
| 81              |      |   |    |    |     | 2  | 3  | 2  |   |    | 7     | 81              |
| 84              |      |   |    |    |     |    | 2  | 1  |   |    | 3     | 84              |
| 87              |      |   |    |    |     | 1  | 2  |    | 1 |    | 4     | 87              |
| 90              |      |   |    |    |     |    | 2  | 1  |   |    | 3     | 90              |
| 93              |      |   |    |    |     |    | 1  | 2  |   |    | 3     | 93              |
| 96              |      |   |    |    |     |    | 1  | 1  |   |    | 2     | 96              |
| 99              |      |   |    |    |     |    | 1  | 2  |   | 1  | 4     | 99              |
| 102             |      |   |    |    |     |    |    |    |   |    |       | 102             |
| 105             |      |   |    |    |     |    |    |    |   |    |       | 105             |
| 108             |      |   |    |    |     |    |    |    |   | 1  | 1     | 108             |
| 111             |      |   |    |    |     |    |    |    | 1 |    | 1     | 111             |
| TOTAL           |      | 6 | 12 | 95 | 133 | 94 | 35 | 15 | 2 | 2  | 394   |                 |

TABLE VIII-C: COD, DIV. 3M, 2014: age composition (0/000), mean length (cm) and mean weight (kg) at age, of the 130mm trawl catches.

| AGE<br>GROUP | 1st Q. |                |                | 2nd Q. |                |                | 3rd Q. |                |                | 4th Q. |                |                | YEAR  |                |                | AGE<br>GROUP |
|--------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|-------|----------------|----------------|--------------|
|              | %      | MEAN<br>LENGTH | MEAN<br>WEIGHT | %      | MEAN<br>LENGTH | MEAN<br>WEIGHT | %      | MEAN<br>LENGTH | MEAN<br>WEIGHT | %      | MEAN<br>LENGTH | MEAN<br>WEIGHT | %     | MEAN<br>LENGTH | MEAN<br>WEIGHT |              |
| 2            | 0.2    | 28.0           | 0.221          | 2.0    | 26.3           | 0.185          | 4.4    | 26.5           | 0.190          | 5.4    | 25.7           | 0.172          | 2.1   | 26.4           | 0.189          | 2            |
| 3            | 21.1   | 42.3           | 0.831          | 25.1   | 40.9           | 0.754          | 33.6   | 37.0           | 0.575          | 17.4   | 40.4           | 0.740          | 26.1  | 39.7           | 0.706          | 3            |
| 4            | 270.8  | 41.9           | 0.778          | 321.9  | 41.3           | 0.739          | 323.4  | 40.0           | 0.684          | 239.8  | 41.4           | 0.767          | 300.9 | 41.1           | 0.734          | 4            |
| 5            | 538.9  | 48.0           | 1.149          | 535.7  | 47.1           | 1.092          | 474.3  | 47.4           | 1.110          | 456.9  | 49.7           | 1.285          | 516.1 | 47.6           | 1.124          | 5            |
| 6            | 141.3  | 58.0           | 2.077          | 109.0  | 55.0           | 1.728          | 130.9  | 58.7           | 2.158          | 207.7  | 60.4           | 2.330          | 130.4 | 57.6           | 2.029          | 6            |
| 7            | 22.4   | 69.5           | 3.417          | 5.6    | 65.1           | 2.785          | 24.0   | 72.3           | 3.928          | 52.4   | 74.2           | 4.265          | 18.8  | 70.5           | 3.618          | 7            |
| 8            | 5.3    | 73.9           | 4.121          | 0.6    | 67.8           | 3.143          | 8.2    | 78.5           | 5.026          | 19.4   | 80.3           | 5.379          | 5.2   | 76.4           | 4.633          | 8            |
| 9            |        |                |                |        |                |                | 0.9    | 106.0          | 12.169         | 1.0    | 88.0           | 6.788          | 0.3   | 104.8          | 11.806         | 9            |
| 10           |        |                |                |        |                |                | 0.4    | 103.1          | 10.943         |        |                |                | 0.1   | 103.1          | 10.943         | 10           |
| TOTAL        | 1000   |                |                | 1000   |                |                | 1000   |                |                | 1000   |                |                | 1000  |                |                |              |

TABLE IX-A: COD, DIV. 3N, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | JUN     | AUG   | SEP     | 2nd Q.  | 3rd Q. | YEAR   | LENGTH<br>GROUP |
|---------------------|---------|-------|---------|---------|--------|--------|-----------------|
| 27                  |         |       | 10.4    |         | 10.1   | 9.9    | 27              |
| 30                  | 24.4    |       | 26.6    | 24.4    | 25.8   | 25.8   | 30              |
| 33                  | 12.2    |       | 17.3    | 12.2    | 16.8   | 16.7   | 33              |
| 36                  | 109.8   |       | 114.5   | 109.8   | 111.2  | 111.1  | 36              |
| 39                  | 390.2   |       | 173.2   | 390.2   | 168.2  | 173.1  | 39              |
| 42                  | 170.7   | 8.4   | 159.5   | 170.7   | 155.1  | 155.5  | 42              |
| 45                  | 122.0   | 64.5  | 198.5   | 122.0   | 194.6  | 193.0  | 45              |
| 48                  | 61.0    | 75.3  | 101.9   | 61.0    | 101.1  | 100.2  | 48              |
| 51                  | 61.0    | 47.8  | 108.6   | 61.0    | 106.8  | 105.8  | 51              |
| 54                  | 36.6    | 240.6 | 56.5    | 36.6    | 61.8   | 61.3   | 54              |
| 57                  | 12.2    | 218.0 | 13.7    | 12.2    | 19.6   | 19.4   | 57              |
| 60                  |         | 186.9 | 9.9     |         | 15.0   | 14.7   | 60              |
| 63                  |         | 92.2  | 4.3     |         | 6.8    | 6.7    | 63              |
| 66                  |         | 40.4  | 4.3     |         | 5.3    | 5.2    | 66              |
| 69                  |         | 15.8  |         |         | 0.5    | 0.4    | 69              |
| 72                  |         | 6.4   | 0.9     |         | 1.1    | 1.0    | 72              |
| 75                  |         | 3.6   |         |         | 0.1    | 0.1    | 75              |
| TOTAL               | 1000    | 1000  | 1000    | 1000    | 1000   | 1000   |                 |
| No. SAMPLES         | 1       | 4     | 7       | 1       | 11     | 12     |                 |
| SAMPLING WEIGHT(kg) | 115     | 324   | 1134    | 115     | 1458   | 1573   |                 |
| No. F.MEASURED      | 82      | 340   | 938     | 82      | 1278   | 1360   |                 |
| MEAN LENGTH(cm)     | 43.2    | 57.7  | 45.1    | 43.2    | 45.5   | 45.4   |                 |
| MEAN WEIGHT (g)     | 634     | 1546  | 743     | 634     | 766    | 764    |                 |
| DEPTH RANGE (m)     | 331/356 | 42/51 | 246/590 | 331/356 | 42/590 | 42/590 |                 |

TABLE IX-B: COD, DIV. 3N, 2014: length composition (0/000) of the 200mm trawl catches.

| LENGTH<br>GROUP     | OCT<br>= YEAR | LENGTH<br>GROUP |
|---------------------|---------------|-----------------|
| 42                  | 11.9          | 42              |
| 45                  |               | 45              |
| 48                  | 23.8          | 48              |
| 51                  | 95.2          | 51              |
| 54                  | 273.8         | 54              |
| 57                  | 83.3          | 57              |
| 60                  | 178.6         | 60              |
| 63                  | 23.8          | 63              |
| 66                  | 47.6          | 66              |
| 69                  | 35.7          | 69              |
| 72                  | 35.7          | 72              |
| 75                  | 11.9          | 75              |
| 78                  | 83.3          | 78              |
| 81                  | 23.8          | 81              |
| 84                  | 23.8          | 84              |
| 87                  |               | 87              |
| 90                  | 35.7          | 90              |
| 93                  |               | 93              |
| 96                  | 11.9          | 96              |
| TOTAL               | 1000          |                 |
| No. SAMPLES         | 1             |                 |
| SAMPLING WEIGHT(kg) | 270           |                 |
| No. F.MEASURED      | 84            |                 |
| MEAN LENGTH(cm)     | 63.6          |                 |
| MEAN WEIGHT (g)     | 2259          |                 |
| DEPTH RANGE (m)     | 48/53         |                 |

TABLE X: COD, DIV. 3O, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAR     | MAY     | JUN     | JUL     | AUG     | SEP    | OCT    | 1st Q.  | 2nd Q.  | 3rd Q. | 4th Q. | YEAR   | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|--------|--------|---------|---------|--------|--------|--------|-----------------|
| 24                  |         |         | 4.1     |         | 12.3    | 4.9    | 2.4    |         | 3.8     | 5.5    | 2.4    | 4.9    | 24              |
| 27                  |         |         |         |         | 24.7    | 9.9    | 4.0    |         |         | 11.1   | 4.0    | 8.0    | 27              |
| 30                  |         |         | 30.8    |         | 37.0    | 36.5   | 23.2   |         | 28.9    | 36.0   | 23.2   | 33.4   | 30              |
| 33                  |         | 12.7    | 66.8    |         | 74.1    | 89.5   | 103.0  |         | 63.5    | 86.8   | 103.0  | 81.0   | 33              |
| 36                  |         | 50.6    | 191.3   |         | 148.1   | 144.3  | 98.0   |         | 182.7   | 142.6  | 98.0   | 149.3  | 36              |
| 39                  |         | 25.3    | 226.5   |         | 209.9   | 259.2  | 278.9  |         | 214.2   | 250.9  | 278.9  | 240.8  | 39              |
| 42                  |         | 12.7    | 79.6    | 3.6     | 209.9   | 123.8  | 104.7  |         | 75.5    | 130.2  | 104.7  | 114.6  | 42              |
| 45                  | 70.0    | 25.3    | 70.5    | 10.7    | 98.8    | 94.7   | 88.3   | 70.0    | 67.8    | 93.9   | 88.3   | 87.1   | 45              |
| 48                  | 160.0   | 189.9   | 130.6   | 56.7    | 148.1   | 70.8   | 90.4   | 160.0   | 134.3   | 77.9   | 90.4   | 92.9   | 48              |
| 51                  | 350.0   | 316.5   | 111.1   | 131.4   | 37.0    | 71.2   | 79.9   | 350.0   | 123.6   | 68.8   | 79.9   | 85.2   | 51              |
| 54                  | 210.0   | 316.5   | 64.3    | 82.9    |         | 63.7   | 70.1   | 210.0   | 79.7    | 58.0   | 70.1   | 65.2   | 54              |
| 57                  | 150.0   | 50.6    | 12.2    | 276.5   |         | 10.7   | 6.4    | 150.0   | 14.5    | 13.5   | 6.4    | 14.7   | 57              |
| 60                  | 30.0    |         | 2.4     | 119.1   |         | 6.6    | 13.5   | 30.0    | 2.2     | 7.6    | 13.5   | 6.7    | 60              |
| 63                  | 30.0    |         | 5.2     | 112.4   |         | 4.4    | 6.4    | 30.0    | 4.9     | 5.5    | 6.4    | 5.6    | 63              |
| 66                  |         |         |         | 83.4    |         | 3.3    | 7.1    |         |         | 4.2    | 7.1    | 3.2    | 66              |
| 69                  |         |         | 2.4     | 34.0    |         | 0.3    | 7.1    |         | 2.2     | 0.7    | 7.1    | 1.3    | 69              |
| 72                  |         |         | 2.4     | 64.6    |         | 1.3    |        |         | 2.2     | 2.1    |        | 2.0    | 72              |
| 75                  |         |         |         | 19.0    |         | 1.0    | 4.7    |         |         | 1.2    | 4.7    | 1.0    | 75              |
| 78                  |         |         |         | 3.7     |         | 2.3    | 9.5    |         |         | 2.1    | 9.5    | 1.9    | 78              |
| 81                  |         |         |         | 2.0     |         | 0.5    | 2.4    |         |         | 0.5    | 2.4    | 0.4    | 81              |
| 84                  |         |         |         |         |         | 0.5    |        |         |         | 0.5    |        | 0.3    | 84              |
| 87                  |         |         |         |         |         | 0.5    |        |         |         | 0.5    |        | 0.3    | 87              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000   | 1000   | 1000    | 1000    | 1000   | 1000   | 1000   |                 |
| No. SAMPLES         | 1       | 1       | 7       | 4       | 1       | 10     | 2      | 1       | 8       | 15     | 2      | 26     |                 |
| SAMPLING WEIGHT(kg) | 120     | 103     | 944     | 377     | 63      | 1282   | 370    | 120     | 1048    | 1723   | 370    | 3260   |                 |
| No. F.MEASURED      | 100     | 79      | 682     | 375     | 81      | 1341   | 309    | 100     | 761     | 1797   | 309    | 2967   |                 |
| MEAN LENGTH(cm)     | 53.8    | 51.6    | 43.9    | 60.4    | 41.8    | 43.2   | 44.6   | 53.8    | 44.3    | 43.3   | 44.6   | 43.7   |                 |
| MEAN WEIGHT (g)     | 1219    | 1087    | 694     | 1799    | 580     | 670    | 761    | 1219    | 718     | 678    | 761    | 696    |                 |
| DEPTH RANGE (m)     | 327/367 | 393/394 | 254/426 | 245/457 | 312/364 | 94/427 | 69/263 | 327/367 | 254/426 | 94/457 | 69/263 | 69/457 |                 |

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

| LENGTH<br>GROUP     | MAR      | MAY     | JUN      | JUL     | AUG     | SEP     | OCT     | NOV     | 1st Q.   | 2nd Q.   | 3rd Q.  | 4th Q.  | YEAR     | LENGTH<br>GROUP |
|---------------------|----------|---------|----------|---------|---------|---------|---------|---------|----------|----------|---------|---------|----------|-----------------|
| 11                  |          |         | 0.9      |         |         | 0.5     |         |         |          | 0.8      | 0.5     |         | 0.4      | 11              |
| 12                  |          |         | 4.7      |         | 5.0     | 1.4     | 0.6     | 1.2     |          | 4.4      | 1.5     | 0.8     | 2.0      | 12              |
| 13                  |          | 4.5     | 6.8      |         | 10.0    | 6.5     | 2.0     | 3.7     |          | 6.7      | 6.2     | 2.4     | 4.9      | 13              |
| 14                  |          | 4.5     | 13.2     |         | 20.0    | 8.8     | 8.4     | 7.1     |          | 12.7     | 8.7     | 8.1     | 9.6      | 14              |
| 15                  |          | 18.0    | 11.9     | 10.0    | 5.0     | 11.2    | 11.6    | 9.4     |          | 12.2     | 10.8    | 11.1    | 11.3     | 15              |
| 16                  |          | 31.5    | 17.9     | 10.0    | 20.0    | 15.7    | 21.8    | 20.2    |          | 18.7     | 15.5    | 21.4    | 18.7     | 16              |
| 17                  |          | 27.0    | 21.2     | 15.0    | 25.0    | 21.7    | 23.6    | 14.5    |          | 21.5     | 21.4    | 21.3    | 21.4     | 17              |
| 18                  | 1.1      | 36.0    | 38.1     | 10.0    | 60.0    | 31.2    | 29.6    | 24.0    | 1.1      | 38.0     | 31.0    | 28.2    | 31.9     | 18              |
| 19                  | 5.5      | 81.1    | 42.7     | 45.0    | 120.0   | 45.0    | 51.8    | 33.8    | 5.5      | 45.0     | 48.6    | 47.2    | 47.0     | 19              |
| 20                  | 8.5      | 112.6   | 91.6     | 100.0   | 95.0    | 77.8    | 100.6   | 81.3    | 8.5      | 92.9     | 80.2    | 95.7    | 89.7     | 20              |
| 21                  | 7.7      | 130.6   | 129.7    | 100.0   | 150.0   | 103.5   | 122.5   | 96.2    | 7.7      | 129.8    | 105.5   | 115.8   | 116.3    | 21              |
| 22                  | 11.8     | 193.7   | 175.7    | 70.0    | 135.0   | 146.2   | 169.7   | 111.1   | 11.8     | 176.8    | 140.3   | 154.7   | 156.1    | 22              |
| 23                  | 15.4     | 121.6   | 142.5    | 100.0   | 105.0   | 147.1   | 134.0   | 86.9    | 15.4     | 141.2    | 141.8   | 122.0   | 133.9    | 23              |
| 24                  | 15.4     | 49.5    | 67.1     | 95.0    | 100.0   | 72.7    | 62.8    | 32.2    | 15.4     | 66.0     | 75.6    | 55.0    | 64.9     | 24              |
| 25                  | 27.2     | 27.0    | 28.3     | 90.0    | 15.0    | 38.6    | 43.0    | 28.1    | 27.2     | 28.2     | 41.1    | 39.2    | 36.7     | 25              |
| 26                  | 26.6     | 36.0    | 19.3     | 130.0   | 65.0    | 26.5    | 18.4    | 25.7    | 26.6     | 20.3     | 35.6    | 20.3    | 25.4     | 26              |
| 27                  | 44.1     | 13.5    | 17.6     | 75.0    | 20.0    | 26.3    | 18.7    | 32.9    | 44.1     | 17.4     | 29.4    | 22.4    | 23.3     | 27              |
| 28                  | 54.5     | 40.5    | 24.9     | 30.0    | 5.0     | 34.8    | 34.7    | 54.2    | 54.5     | 25.9     | 33.1    | 39.7    | 33.6     | 28              |
| 29                  | 86.3     |         | 24.0     | 45.0    | 10.0    | 27.5    | 28.0    | 40.7    | 86.3     | 22.6     | 27.9    | 31.3    | 27.8     | 29              |
| 30                  | 154.9    | 9.0     | 35.1     | 45.0    | 25.0    | 49.6    | 32.8    | 58.1    | 154.9    | 33.5     | 48.1    | 39.3    | 40.6     | 30              |
| 31                  | 102.6    | 31.5    | 32.5     | 15.0    |         | 29.0    | 30.2    | 54.8    | 102.6    | 32.4     | 26.7    | 36.5    | 32.1     | 31              |
| 32                  | 140.5    | 13.5    | 21.7     | 5.0     | 10.0    | 32.8    | 25.0    | 68.2    | 140.5    | 21.2     | 29.8    | 36.0    | 29.9     | 32              |
| 33                  | 73.8     | 9.0     | 15.6     |         |         | 28.0    | 10.8    | 43.2    | 73.8     | 15.2     | 24.7    | 19.1    | 19.8     | 33              |
| 34                  | 58.7     |         | 5.9      | 5.0     |         | 8.6     | 10.4    | 20.7    | 58.7     | 5.6      | 8.0     | 13.1    | 9.3      | 34              |
| 35                  | 44.8     | 9.0     | 3.0      | 5.0     |         | 6.5     | 5.5     | 10.2    | 44.8     | 3.3      | 6.1     | 6.7     | 5.6      | 35              |
| 36                  | 10.1     |         | 3.6      |         |         | 0.4     | 1.7     | 3.9     | 10.1     | 3.4      | 0.3     | 2.3     | 2.0      | 36              |
| 37                  | 43.7     |         | 0.0      |         |         | 0.5     | 0.3     | 6.8     | 43.7     | 0.0      | 0.5     | 1.9     | 0.9      | 37              |
| 38                  | 32.2     |         | 1.9      |         |         | 0.9     | 1.2     | 8.2     | 32.2     | 1.8      | 0.8     | 3.0     | 2.0      | 38              |
| 39                  | 7.8      |         | 0.0      |         |         |         |         | 5.7     | 7.8      | 0.0      |         | 1.5     | 0.6      | 39              |
| 40                  | 18.2     |         | 1.1      |         |         |         |         | 9.3     | 18.2     | 1.1      |         | 2.4     | 1.2      | 40              |
| 41                  | 8.5      |         | 1.1      |         |         | 0.4     |         | 5.9     | 8.5      | 1.0      | 0.3     | 1.5     | 1.0      | 41              |
| 42                  |          |         | 0.4      |         |         |         |         | 1.4     |          | 0.3      |         | 0.4     | 0.2      | 42              |
| TOTAL               | 1000     | 1000    | 1000     | 1000    | 1000    | 1000    | 1000    | 1000    | 1000     | 1000     | 1000    | 1000    | 1000     |                 |
| No. SAMPLES         | 4        | 1       | 12       | 1       | 1       | 8       | 8       | 4       | 4        | 13       | 10      | 12      | 39       |                 |
| SAMPLING WEIGHT(kg) | 266      | 46      | 697      | 41      | 48      | 670     | 645     | 340     | 266      | 744      | 759     | 986     | 2754     |                 |
| No. F.MEASURED      | 488      | 222     | 2308     | 200     | 200     | 2094    | 2017    | 1104    | 488      | 2530     | 2494    | 3121    | 8633     |                 |
| MEAN LENGTH(cm)     | 31.4     | 22.7    | 23.4     | 24.4    | 22.1    | 24.1    | 23.6    | 26.0    | 31.4     | 23.4     | 24.0    | 24.2    | 23.9     |                 |
| MEAN WEIGHT (g)     | 351      | 158     | 174      | 188     | 146     | 187     | 176     | 231     | 351      | 173      | 185     | 190     | 184      |                 |
| DEPTH RANGE (m)     | 772/1027 | 245/325 | 282/1190 | 302/310 | 303/310 | 248/336 | 248/300 | 262/307 | 772/1027 | 245/1190 | 248/336 | 248/307 | 245/1190 |                 |

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

| LENGTH<br>GROUP     | FEB     | MAR      | APR     | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | 1st Q.   | 2nd Q.  | 3rd Q.  | 4th Q.  | YEAR     | LENGTH<br>GROUP |
|---------------------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|-----------------|
| 11                  |         |          |         | 0.3     |         |         |         |         |         |         |          | 0.2     |         |         | 0.003    | 11              |
| 12                  | 0.9     | 3.1      |         | 0.1     |         |         |         |         |         |         | 1.3      | 0.1     |         |         | 1.1      | 12              |
| 13                  | 6.5     | 6.2      |         | 0.6     | 0.4     |         | 3.8     |         |         |         | 6.5      | 0.5     | 0.1     |         | 5.6      | 13              |
| 14                  | 11.1    | 10.0     | 5.8     | 7.4     | 2.3     | 6.4     | 5.7     | 5.1     |         |         | 10.9     | 6.0     | 6.3     |         | 10.3     | 14              |
| 15                  | 11.4    | 12.6     | 11.6    | 8.3     | 5.8     | 7.4     | 10.5    | 10.1    |         |         | 11.6     | 7.7     | 7.6     |         | 11.1     | 15              |
| 16                  | 20.1    | 19.9     | 11.6    | 14.6    | 9.9     | 10.6    | 28.5    | 9.1     |         |         | 20.1     | 13.3    | 10.9    |         | 18.8     | 16              |
| 17                  | 14.5    | 19.7     | 23.1    | 25.5    | 30.4    | 17.4    | 12.3    | 13.6    |         |         | 15.5     | 26.8    | 17.1    |         | 15.8     | 17              |
| 18                  | 43.9    | 24.9     | 34.7    | 33.8    | 8.9     | 15.6    | 35.1    | 21.2    | 10.4    |         | 40.5     | 27.1    | 16.1    | 8.9     | 37.4     | 18              |
| 19                  | 77.3    | 62.6     | 17.3    | 29.0    | 31.3    | 48.7    | 46.2    | 27.9    |         |         | 74.7     | 29.3    | 48.0    |         | 70.7     | 19              |
| 20                  | 169.2   | 103.7    | 63.6    | 86.4    | 87.6    | 41.1    | 99.7    | 52.9    | 15.5    | 7.5     | 157.5    | 86.1    | 42.5    | 14.4    | 142.6    | 20              |
| 21                  | 161.5   | 157.1    | 161.8   | 106.9   | 124.1   | 58.1    | 103.1   | 97.5    | 10.4    | 15.0    | 160.7    | 113.0   | 60.2    | 11.0    | 147.9    | 21              |
| 22                  | 226.6   | 186.0    | 225.4   | 187.3   | 190.5   | 63.5    | 167.0   | 164.2   |         | 30.1    | 219.3    | 189.2   | 68.7    | 4.3     | 200.9    | 22              |
| 23                  | 93.8    | 121.6    | 109.8   | 83.8    | 141.1   | 69.0    | 123.9   | 158.9   | 15.5    |         | 98.8     | 100.0   | 73.0    | 13.3    | 95.7     | 23              |
| 24                  | 60.2    | 46.8     | 52.0    | 36.4    | 79.6    | 72.0    | 38.4    | 64.9    | 67.4    | 22.6    | 57.8     | 48.5    | 71.2    | 60.9    | 59.2     | 24              |
| 25                  | 12.5    | 30.4     | 11.6    | 28.1    | 51.3    | 71.6    | 33.9    | 30.9    | 57.0    | 7.5     | 15.7     | 33.9    | 69.5    | 49.9    | 22.4     | 25              |
| 26                  | 31.4    | 22.0     | 17.3    | 19.6    | 19.6    | 74.9    | 31.3    | 31.8    | 88.1    | 45.1    | 29.7     | 19.5    | 72.6    | 81.9    | 34.6     | 26              |
| 27                  | 14.3    | 13.4     | 28.9    | 24.4    | 23.7    | 70.7    | 24.5    | 19.1    | 62.2    | 22.6    | 14.1     | 24.3    | 68.1    | 56.5    | 20.7     | 27              |
| 28                  | 21.6    | 28.8     | 57.8    | 39.8    | 40.5    | 71.7    | 45.0    | 24.0    | 124.4   | 67.7    | 22.9     | 40.5    | 69.6    | 116.2   | 28.8     | 28              |
| 29                  | 3.1     | 22.1     | 17.3    | 37.0    | 17.3    | 53.8    | 20.5    | 37.7    | 114.0   | 60.2    | 6.5      | 31.2    | 52.6    | 106.3   | 12.5     | 29              |
| 30                  | 14.7    | 31.9     | 80.9    | 74.1    | 51.4    | 59.0    | 67.6    | 59.7    | 150.3   | 142.9   | 17.8     | 68.2    | 59.1    | 149.2   | 23.7     | 30              |
| 31                  | 2.9     | 26.5     | 23.1    | 43.5    | 21.2    | 53.8    | 49.5    | 75.9    | 145.1   | 218.0   | 7.1      | 37.0    | 54.4    | 155.6   | 13.3     | 31              |
| 32                  | 1.3     | 15.5     | 34.7    | 46.4    | 14.0    | 48.9    | 19.5    | 34.9    | 46.6    | 120.3   | 3.9      | 37.3    | 47.9    | 57.2    | 9.7      | 32              |
| 33                  | 0.4     | 8.7      | 5.8     | 32.2    | 26.0    | 34.3    | 13.5    | 22.2    | 20.7    | 82.7    | 1.9      | 29.8    | 33.5    | 29.6    | 6.1      | 33              |
| 34                  |         | 5.2      | 5.8     | 11.2    | 17.3    | 14.9    | 10.3    | 14.3    | 10.4    | 37.6    | 0.9      | 12.7    | 14.8    | 14.3    | 2.8      | 34              |
| 35                  | 0.4     | 4.4      |         | 4.0     | 2.3     | 9.7     | 5.0     | 6.5     | 31.1    | 30.1    | 1.1      | 3.4     | 9.5     | 30.9    | 2.2      | 35              |
| 36                  | 0.2     | 3.7      |         | 7.4     | 3.5     | 7.8     | 2.7     | 5.0     | 15.5    | 15.0    | 0.8      | 6.1     | 7.7     | 15.5    | 1.7      | 36              |
| 37                  |         | 3.0      |         | 4.4     |         | 2.9     |         | 3.7     |         | 30.1    | 0.5      | 3.1     | 2.8     | 4.3     | 0.9      | 37              |
| 38                  |         | 2.6      |         | 4.2     |         | 4.7     | 2.6     | 3.6     | 10.4    | 22.6    | 0.5      | 3.0     | 4.6     | 12.1    | 1.0      | 38              |
| 39                  |         | 2.7      |         | 0.3     |         | 3.0     |         | 2.0     |         |         | 0.5      | 0.2     | 2.9     |         | 0.8      | 39              |
| 40                  |         | 2.1      |         | 2.3     |         | 4.5     |         | 2.1     | 5.2     | 15.0    | 0.4      | 1.6     | 4.3     | 6.6     | 0.9      | 40              |
| 41                  |         | 0.9      |         | 0.5     |         | 3.0     |         | 1.0     |         | 7.5     | 0.2      | 0.4     | 2.9     | 1.1     | 0.5      | 41              |
| 42                  |         | 0.1      |         | 0.1     |         | 0.7     |         |         |         |         | 0.02     | 0.1     | 0.7     |         | 0.1      | 42              |
| 43                  |         | 1.6      |         |         |         | 0.4     |         |         |         |         | 0.3      |         | 0.4     |         | 0.3      | 43              |
| 44                  |         | 0.1      |         |         |         | 0.2     |         |         |         |         | 0.01     |         | 0.2     |         | 0.0      | 44              |
| 45                  |         | 0.004    |         |         |         |         |         |         |         |         | 0.001    |         |         |         | 0.001    | 45              |
| 46                  |         | 0.004    |         |         |         |         |         |         |         |         | 0.001    |         |         |         | 0.001    | 46              |
| 47                  |         | 0.004    |         |         |         |         |         |         |         |         | 0.001    |         |         |         | 0.001    | 47              |
| 48                  |         | 0.004    |         |         |         |         |         |         |         |         | 0.001    |         |         |         | 0.001    | 48              |
| TOTAL               | 1000    | 1000     | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000     | 1000    | 1000    | 1000    | 1000     |                 |
| No. SAMPLES         | 11      | 18       | 1       | 12      | 3       | 14      | 4       | 7       | 1       | 1       | 29       | 16      | 25      | 2       | 72       |                 |
| SAMPLING WEIGHT(kg) | 374     | 993      | 52      | 613     | 139     | 1334    | 203     | 432     | 72      | 74      | 1367     | 804     | 1970    | 146     | 4286     |                 |
| No. F.MEASURED      | 1922    | 3003     | 173     | 2304    | 560     | 3657    | 706     | 1248    | 193     | 133     | 4925     | 3037    | 5611    | 326     | 13899    |                 |
| MEAN LENGTH(cm)     | 21.9    | 23.3     | 24.0    | 24.9    | 24.1    | 26.4    | 24.1    | 25.2    | 29.2    | 31.2    | 22.2     | 24.7    | 26.3    | 29.4    | 22.7     |                 |
| MEAN WEIGHT (g)     | 156     | 199      | 211     | 244     | 215     | 285     | 219     | 250     | 363     | 443     | 164      | 235     | 283     | 375     | 180      |                 |
| DEPTH RANGE (m)     | 377/529 | 380/1078 | 428/441 | 183/432 | 255/296 | 228/391 | 145/176 | 160/368 | 280/377 | 149/190 | 377/1078 | 183/441 | 145/391 | 149/377 | 145/1078 |                 |

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

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

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

| LENGTH<br>GROUP     | MAR     | APR     | MAY     | JUN     | JUL     | AUG     | SEP     | 1st Q.  | 2nd Q.  | 3rd Q.  | YEAR    | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------|
| 6                   |         |         |         |         |         |         | 2.3     |         |         | 1.2     | 0.7     | 6               |
| 7                   |         |         |         |         |         |         | 6.1     |         |         | 3.3     | 1.8     | 7               |
| 8                   |         |         |         |         |         |         | 13.1    |         |         | 7.1     | 3.9     | 8               |
| 9                   |         |         |         |         |         |         | 20.8    |         |         | 11.2    | 6.2     | 9               |
| 10                  |         |         |         | 2.1     |         |         | 9.8     |         | 1.0     | 5.3     | 3.4     | 10              |
| 11                  |         |         | 1.0     | 5.8     |         |         | 12.8    |         | 3.0     | 6.9     | 5.1     | 11              |
| 12                  |         |         | 1.0     | 10.3    |         | 12.7    | 13.2    |         | 5.1     | 9.2     | 7.2     | 12              |
| 13                  |         |         | 5.1     | 13.1    |         | 16.5    | 46.6    |         | 8.0     | 27.8    | 18.8    | 13              |
| 14                  |         |         | 6.1     | 21.8    | 19.8    | 34.3    | 58.0    |         | 12.3    | 42.8    | 28.9    | 14              |
| 15                  |         |         | 10.2    | 32.6    | 19.8    | 99.3    | 97.7    |         | 18.8    | 74.7    | 49.4    | 15              |
| 16                  |         |         | 17.3    | 59.5    | 24.8    | 101.8   | 106.9   |         | 33.9    | 81.5    | 59.5    | 16              |
| 17                  |         |         | 18.3    | 68.1    | 64.4    | 122.2   | 85.9    |         | 38.2    | 85.4    | 63.4    | 17              |
| 18                  |         | 10.0    | 27.4    | 110.8   | 19.8    | 150.2   | 106.7   |         | 62.8    | 87.8    | 75.0    | 18              |
| 19                  |         | 20.0    | 30.5    | 133.2   | 89.1    | 98.0    | 95.1    |         | 75.7    | 93.8    | 83.8    | 19              |
| 20                  | 100.0   | 170.0   | 79.2    | 149.0   | 163.4   | 73.7    | 101.0   | 100.0   | 125.1   | 115.2   | 118.9   | 20              |
| 21                  | 200.0   | 340.0   | 256.5   | 159.9   | 163.4   | 73.7    | 82.3    | 200.0   | 225.3   | 105.1   | 157.7   | 21              |
| 22                  | 280.0   | 280.0   | 294.4   | 122.9   | 123.8   | 83.9    | 60.6    | 280.0   | 213.9   | 83.3    | 142.9   | 22              |
| 23                  | 250.0   | 120.0   | 178.6   | 52.6    | 99.0    | 24.2    | 29.3    | 250.0   | 112.0   | 49.3    | 80.8    | 23              |
| 24                  | 50.0    | 50.0    | 34.9    | 20.8    | 69.3    | 25.5    | 13.0    | 50.0    | 30.8    | 31.9    | 31.9    | 24              |
| 25                  | 60.0    | 10.0    | 23.1    | 15.4    | 34.7    | 28.0    | 15.5    | 60.0    | 17.6    | 23.3    | 21.9    | 25              |
| 26                  | 10.0    |         | 16.4    | 8.5     | 29.7    | 29.3    | 9.3     | 10.0    | 10.3    | 18.6    | 14.9    | 26              |
| 27                  | 10.0    |         |         | 6.2     | 24.8    | 7.6     | 6.8     | 10.0    | 2.8     | 12.3    | 8.3     | 27              |
| 28                  | 20.0    |         |         | 4.8     | 19.8    | 3.8     | 4.3     | 20.0    | 2.2     | 8.9     | 6.4     | 28              |
| 29                  | 10.0    |         |         | 1.0     | 29.7    | 7.6     | 2.5     | 10.0    | 0.5     | 11.4    | 6.8     | 29              |
| 30                  | 10.0    |         |         | 1.5     |         | 3.8     | 0.4     | 10.0    | 0.7     | 0.8     | 1.0     | 30              |
| 31                  |         |         |         |         | 5.0     | 3.8     |         |         |         | 2.1     | 1.2     | 31              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |                 |
| No. SAMPLES         | 1       | 1       | 2       | 7       | 1       | 2       | 9       | 1       | 10      | 12      | 23      |                 |
| SAMPLING WEIGHT(kg) | 15      | 15      | 44      | 256     | 29      | 49      | 232     | 15      | 315     | 310     | 640     |                 |
| No. F.MEASURED      | 100     | 100     | 326     | 1548    | 202     | 384     | 1834    | 100     | 1974    | 2420    | 4494    |                 |
| MEAN LENGTH(cm)     | 23.0    | 22.0    | 21.9    | 20.0    | 21.9    | 19.4    | 18.1    | 23.0    | 21.1    | 19.4    | 20.2    |                 |
| MEAN WEIGHT (g)     | 158     | 146     | 143     | 121     | 147     | 113     | 101     | 158     | 134     | 117     | 125     |                 |
| DEPTH RANGE (m)     | 355/382 | 225/519 | 162/269 | 159/411 | 337/372 | 312/436 | 251/486 | 355/382 | 159/519 | 251/486 | 159/519 |                 |

TABLE XV: REDFISH (*S. marinus*), DIV. 3M, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAY     | JUL     | AUG     | 2nd Q.  | 3rd Q.  | YEAR    | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|-----------------|
| 15                  | 2.9     |         |         | 2.9     |         | 1.9     | 15              |
| 16                  | 4.2     |         | 25.6    | 4.2     | 3.2     | 3.9     | 16              |
| 17                  | 9.6     |         | 25.6    | 9.6     | 3.2     | 7.4     | 17              |
| 18                  | 19.0    |         | 25.6    | 19.0    | 3.2     | 13.6    | 18              |
| 19                  | 37.3    |         | 51.3    | 37.3    | 6.4     | 26.7    | 19              |
| 20                  | 68.1    |         | 12.8    | 68.1    | 1.6     | 45.4    | 20              |
| 21                  | 52.4    | 1.2     | 12.8    | 52.4    | 2.7     | 35.5    | 21              |
| 22                  | 146.2   | 1.2     | 153.8   | 146.2   | 20.3    | 103.3   | 22              |
| 23                  | 95.1    |         | 307.7   | 95.1    | 38.5    | 75.8    | 23              |
| 24                  | 91.6    | 3.7     | 102.6   | 91.6    | 16.1    | 65.8    | 24              |
| 25                  | 42.1    | 6.0     | 51.3    | 42.1    | 11.6    | 31.7    | 25              |
| 26                  | 71.9    | 13.8    | 38.5    | 71.9    | 16.9    | 53.2    | 26              |
| 27                  | 15.8    | 19.9    | 12.8    | 15.8    | 19.0    | 16.9    | 27              |
| 28                  | 86.2    | 17.0    | 76.9    | 86.2    | 24.5    | 65.1    | 28              |
| 29                  | 45.0    | 30.0    | 51.3    | 45.0    | 32.7    | 40.8    | 29              |
| 30                  | 72.6    | 64.3    | 12.8    | 72.6    | 57.9    | 67.5    | 30              |
| 31                  | 46.4    | 60.0    | 12.8    | 46.4    | 54.1    | 49.0    | 31              |
| 32                  | 25.4    | 39.4    | 12.8    | 25.4    | 36.1    | 29.0    | 32              |
| 33                  | 24.0    | 40.4    | 12.8    | 24.0    | 36.9    | 28.4    | 33              |
| 34                  | 30.7    | 49.4    |         | 30.7    | 43.2    | 35.0    | 34              |
| 35                  | 3.8     | 79.7    |         | 3.8     | 69.7    | 26.3    | 35              |
| 36                  | 7.6     | 91.9    |         | 7.6     | 80.4    | 32.4    | 36              |
| 37                  | 1.9     | 73.9    |         | 1.9     | 64.6    | 23.3    | 37              |
| 38                  |         | 96.4    |         |         | 84.3    | 28.8    | 38              |
| 39                  |         | 101.5   |         |         | 88.8    | 30.3    | 39              |
| 40                  |         | 89.8    |         |         | 78.6    | 26.8    | 40              |
| 41                  |         | 23.2    |         |         | 20.3    | 6.9     | 41              |
| 42                  |         | 17.0    |         |         | 14.9    | 5.1     | 42              |
| 43                  |         | 22.2    |         |         | 19.4    | 6.6     | 43              |
| 44                  |         | 21.3    |         |         | 18.6    | 6.4     | 44              |
| 45                  |         | 11.7    |         |         | 10.2    | 3.5     | 45              |
| 46                  |         | 9.4     |         |         | 8.2     | 2.8     | 46              |
| 47                  |         | 6.9     |         |         | 6.0     | 2.0     | 47              |
| 48                  |         | 2.7     |         |         | 2.4     | 0.8     | 48              |
| 49                  |         | 3.6     |         |         | 3.2     | 1.1     | 49              |
| 50                  |         | 1.7     |         |         | 1.5     | 0.5     | 50              |
| 51                  |         | 0.5     |         |         | 0.4     | 0.1     | 51              |
| 52                  |         |         |         |         |         |         | 52              |
| 53                  |         | 0.5     |         |         | 0.4     | 0.1     | 53              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |                 |
| No. SAMPLES         | 4       | 4       | 1       | 4       | 5       | 9       |                 |
| SAMPLING WEIGHT(kg) | 88      | 444     | 19      | 88      | 463     | 550     |                 |
| No. F.MEASURED      | 372     | 814     | 78      | 372     | 892     | 1264    |                 |
| MEAN LENGTH(cm)     | 25.7    | 36.4    | 24.1    | 25.7    | 34.9    | 28.8    |                 |
| MEAN WEIGHT (g)     | 239     | 688     | 190     | 239     | 625     | 371     |                 |
| DEPTH RANGE (m)     | 191/297 | 277/315 | 145/160 | 191/297 | 145/315 | 145/315 |                 |

TABLE XVI: AMERICAN PLAICE, DIV. 3L, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAY     | JUN     | SEP     | OCT     | NOV     | 2nd Q.  | 3rd Q.  | 4th Q.  | YEAR    | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------|
| 14                  |         |         |         |         | 3.3     |         |         | 0.8     | 0.3     | 14              |
| 16                  |         | 2.2     |         | 5.3     | 12.3    | 1.9     |         | 7.0     | 3.1     | 16              |
| 18                  | 9.0     | 14.5    | 1.3     | 10.3    | 21.2    | 13.7    | 1.3     | 13.1    | 8.9     | 18              |
| 20                  | 9.0     | 33.7    | 7.7     | 24.2    | 57.8    | 30.2    | 7.7     | 32.7    | 22.9    | 20              |
| 22                  | 9.0     | 47.0    | 14.1    | 62.5    | 77.2    | 41.6    | 14.1    | 66.2    | 40.8    | 22              |
| 24                  | 36.0    | 98.1    | 33.4    | 74.2    | 155.3   | 89.3    | 33.4    | 94.7    | 70.7    | 24              |
| 26                  | 45.0    | 123.2   | 46.5    | 105.5   | 79.1    | 112.1   | 46.5    | 98.8    | 82.9    | 26              |
| 28                  | 45.0    | 286.2   | 82.7    | 142.8   | 192.3   | 252.1   | 82.7    | 155.3   | 152.9   | 28              |
| 30                  | 171.2   | 141.7   | 152.0   | 163.0   | 189.3   | 145.9   | 152.0   | 169.7   | 157.2   | 30              |
| 32                  | 126.1   | 124.9   | 179.0   | 133.7   | 46.8    | 125.1   | 179.0   | 111.7   | 139.9   | 32              |
| 34                  | 297.3   | 58.8    | 124.2   | 89.7    | 53.5    | 92.5    | 124.2   | 80.5    | 99.6    | 34              |
| 36                  | 162.2   | 28.7    | 73.6    | 47.5    | 36.4    | 47.5    | 73.6    | 44.7    | 56.1    | 36              |
| 38                  | 54.1    | 19.7    | 81.7    | 66.1    | 46.6    | 24.5    | 81.7    | 61.1    | 59.5    | 38              |
| 40                  | 18.0    | 10.2    | 72.2    | 29.2    | 11.4    | 11.3    | 72.2    | 24.7    | 38.9    | 40              |
| 42                  | 18.0    | 11.2    | 57.1    | 23.6    | 10.8    | 12.1    | 57.1    | 20.4    | 31.9    | 42              |
| 44                  |         |         | 58.8    | 15.5    | 6.7     |         | 58.8    | 13.2    | 26.7    | 44              |
| 46                  |         |         | 9.8     | 2.6     |         |         | 9.8     | 1.9     | 4.3     | 46              |
| 48                  |         |         | 1.8     | 2.7     |         |         | 1.8     | 2.0     | 1.4     | 48              |
| 50                  |         |         | 3.1     | 1.6     |         |         | 3.1     | 1.2     | 1.6     | 50              |
| 52                  |         |         |         |         |         |         |         |         |         | 52              |
| 54                  |         |         | 1.0     |         |         |         | 1.0     |         | 0.4     | 54              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |                 |
| No. SAMPLES         | 1       | 5       | 10      | 8       | 3       | 6       | 10      | 11      | 27      |                 |
| SAMPLING WEIGHT(kg) | 41      | 224     | 663     | 461     | 111     | 265     | 663     | 572     | 1500    |                 |
| No. F.MEASURED      | 111     | 631     | 1373    | 945     | 278     | 742     | 1373    | 1223    | 3338    |                 |
| MEAN LENGTH(cm)     | 33.5    | 29.5    | 34.7    | 31.3    | 28.9    | 30.0    | 34.7    | 30.7    | 32.0    |                 |
| MEAN WEIGHT (g)     | 339     | 231     | 397     | 291     | 228     | 247     | 397     | 275     | 313     |                 |
| DEPTH RANGE (m)     | 245/325 | 269/344 | 253/331 | 249/283 | 246/295 | 245/344 | 253/331 | 246/295 | 245/344 |                 |

TABLE XVII: AMERICAN PLAICE, DIV. 3M, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | FEB     | MAR     | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | 1st Q.  | 2nd Q.  | 3rd Q.  | 4th Q.  | YEAR    | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------|
| 14                  | 2.2     |         |         |         |         |         |         |         |         | 1.1     |         |         |         | 0.3     | 14              |
| 16                  | 15.3    | 5.1     |         | 17.2    |         |         |         |         | 3.9     | 10.2    | 8.6     |         | 2.6     | 3.5     | 16              |
| 18                  | 30.5    | 26.4    |         | 73.4    | 5.5     |         | 2.7     |         | 3.9     | 28.5    | 36.6    | 3.0     | 2.6     | 11.5    | 18              |
| 20                  | 71.3    | 63.7    | 44.8    | 125.1   | 16.7    |         | 4.8     |         | 24.9    | 67.5    | 84.9    | 7.4     | 16.3    | 28.4    | 20              |
| 22                  | 116.1   | 116.7   | 44.2    | 78.2    | 42.3    | 7.8     | 19.5    |         | 20.9    | 116.4   | 61.2    | 24.0    | 13.7    | 49.9    | 22              |
| 24                  | 226.6   | 193.9   | 119.5   | 125.7   | 58.6    | 18.6    | 41.9    | 6.8     | 72.2    | 210.2   | 122.6   | 42.9    | 49.5    | 93.4    | 24              |
| 26                  | 145.3   | 208.2   | 117.7   | 131.6   | 67.5    | 55.0    | 77.8    | 13.6    | 93.1    | 176.9   | 124.6   | 71.5    | 65.6    | 102.2   | 26              |
| 28                  | 236.2   | 185.1   | 72.9    | 119.5   | 125.6   | 161.9   | 71.1    | 68.0    | 152.2   | 210.6   | 96.1    | 99.9    | 123.1   | 133.1   | 28              |
| 30                  | 106.5   | 127.1   | 163.1   | 157.2   | 173.7   | 177.4   | 185.4   | 108.8   | 53.5    | 116.8   | 160.2   | 181.0   | 72.7    | 149.4   | 30              |
| 32                  | 22.4    | 46.7    | 72.9    | 97.9    | 155.1   | 192.9   | 96.9    | 95.2    | 91.5    | 34.6    | 85.4    | 127.5   | 92.8    | 95.9    | 32              |
| 34                  | 24.9    | 24.9    | 174.4   | 30.9    | 119.4   | 110.0   | 133.5   | 183.7   | 56.1    | 24.9    | 102.8   | 126.1   | 100.3   | 94.0    | 34              |
| 36                  | 2.5     | 1.2     | 102.7   | 21.2    | 58.6    | 55.0    | 56.8    | 149.7   | 112.8   | 1.8     | 62.1    | 57.0    | 125.6   | 50.1    | 36              |
| 38                  |         | 1.1     | 44.2    | 7.1     | 48.1    | 106.9   | 80.7    | 115.6   | 123.3   | 0.6     | 25.7    | 75.8    | 120.7   | 58.2    | 38              |
| 40                  |         |         | 14.9    | 11.9    | 38.2    | 61.9    | 136.5   | 156.5   | 68.2    |         | 13.4    | 98.1    | 98.8    | 67.4    | 40              |
| 42                  |         |         | 14.3    | 3.1     | 39.4    | 26.4    | 49.6    | 81.6    | 59.0    |         | 8.7     | 43.2    | 66.8    | 32.6    | 42              |
| 44                  |         |         | 14.3    |         | 26.2    | 10.8    | 26.1    | 6.8     | 45.9    |         | 7.2     | 23.8    | 32.4    | 17.5    | 44              |
| 46                  |         |         |         |         | 19.5    | 11.6    | 2.8     |         | 3.9     |         |         | 8.7     | 2.6     | 5.2     | 46              |
| 48                  |         |         |         |         | 3.6     | 3.9     | 9.8     | 6.8     | 5.2     |         |         | 7.2     | 5.8     | 4.7     | 48              |
| 50                  |         |         |         |         | 0.9     |         | 2.8     | 6.8     | 3.9     |         |         | 1.8     | 4.9     | 1.6     | 50              |
| 52                  |         |         |         |         | 0.6     |         | 1.3     |         | 1.3     |         |         | 0.9     | 0.8     | 0.6     | 52              |
| 54                  |         |         |         |         |         |         |         |         | 3.9     |         |         |         | 2.6     | 0.3     | 54              |
| 56                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 56              |
| 58                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 58              |
| 60                  |         |         |         |         | 0.6     |         |         |         |         |         |         | 0.2     |         | 0.1     | 60              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |                 |
| No. SAMPLES         | 4       | 15      | 2       | 3       | 13      | 2       | 8       | 1       | 2       | 19      | 5       | 23      | 3       | 50      |                 |
| SAMPLING WEIGHT(kg) | 37      | 234     | 20      | 100     | 712     | 63      | 446     | 76      | 160     | 271     | 120     | 1221    | 235     | 1847    |                 |
| No. F.MEASURED      | 300     | 1257    | 68      | 243     | 1687    | 143     | 962     | 147     | 333     | 1557    | 311     | 2792    | 480     | 5140    |                 |
| MEAN LENGTH(cm)     | 26.5    | 26.9    | 31.2    | 27.1    | 32.7    | 33.6    | 34.4    | 36.4    | 33.8    | 26.7    | 29.2    | 33.8    | 34.7    | 31.8    |                 |
| MEAN WEIGHT (g)     | 185     | 191     | 285     | 202     | 321     | 342     | 367     | 413     | 359     | 188     | 244     | 351     | 378     | 304     |                 |
| DEPTH RANGE (m)     | 506/529 | 380/541 | 206/235 | 255/296 | 198/311 | 154/176 | 141/368 | 152/179 | 149/202 | 380/541 | 206/296 | 141/368 | 149/202 | 141/541 |                 |

TABLE XVIII-A: AMERICAN PLAICE, DIV. 3N, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | JUN     | AUG   | SEP     | 2nd Q.  | 3rd Q. | YEAR   | LENGTH<br>GROUP |
|---------------------|---------|-------|---------|---------|--------|--------|-----------------|
| 16                  |         |       | 2.7     |         | 2.4    | 2.3    | 16              |
| 18                  | 9.9     |       | 5.6     | 9.9     | 5.0    | 5.2    | 18              |
| 20                  | 29.7    |       | 16.4    | 29.7    | 14.8   | 15.4   | 20              |
| 22                  | 29.7    |       | 17.9    | 29.7    | 16.3   | 16.8   | 22              |
| 24                  | 9.9     | 10.9  | 35.6    | 9.9     | 33.3   | 32.4   | 24              |
| 26                  | 69.3    | 48.5  | 35.9    | 69.3    | 37.1   | 38.3   | 26              |
| 28                  | 148.5   | 111.9 | 59.7    | 148.5   | 64.6   | 67.7   | 28              |
| 30                  | 148.5   | 178.4 | 103.5   | 148.5   | 110.4  | 111.8  | 30              |
| 32                  | 178.2   | 248.1 | 54.9    | 178.2   | 72.8   | 76.8   | 32              |
| 34                  | 118.8   | 99.0  | 151.5   | 118.8   | 146.7  | 145.6  | 34              |
| 36                  | 138.6   | 125.5 | 144.8   | 138.6   | 143.0  | 142.9  | 36              |
| 38                  | 79.2    | 57.3  | 71.9    | 79.2    | 70.6   | 70.9   | 38              |
| 40                  | 9.9     | 27.9  | 28.1    | 9.9     | 28.0   | 27.4   | 40              |
| 42                  | 29.7    | 42.6  | 135.8   | 29.7    | 127.2  | 123.6  | 42              |
| 44                  |         | 20.6  | 94.2    |         | 87.4   | 84.2   | 44              |
| 46                  |         | 29.4  | 21.9    |         | 22.6   | 21.7   | 46              |
| 48                  |         |       | 3.8     |         | 3.4    | 3.3    | 48              |
| 50                  |         |       | 10.5    |         | 9.5    | 9.1    | 50              |
| 52                  |         |       |         |         |        |        | 52              |
| 54                  |         |       | 5.2     |         | 4.7    | 4.6    | 54              |
| TOTAL               | 1000    | 1000  | 1000    | 1000    | 1000   | 1000   |                 |
| No. SAMPLES         | 1       | 4     | 3       | 1       | 7      | 8      |                 |
| SAMPLING WEIGHT(kg) | 44      | 170   | 206     | 44      | 376    | 420    |                 |
| No. F.MEASURED      | 101     | 379   | 464     | 101     | 843    | 944    |                 |
| MEAN LENGTH(cm)     | 32.5    | 34.2  | 36.3    | 32.5    | 36.1   | 35.9   |                 |
| MEAN WEIGHT (g)     | 315     | 364   | 467     | 315     | 458    | 452    |                 |
| DEPTH RANGE (m)     | 331/356 | 42/60 | 246/407 | 331/356 | 42/407 | 42/407 |                 |

TABLE XVIII-B: AMERICAN PLAICE, DIV. 3N, 2014: length composition (0/000) of the 200mm trawl catches.

| LENGTH<br>GROUP     | OCT<br>= YEAR | LENGTH<br>GROUP |
|---------------------|---------------|-----------------|
| 18                  | 10.7          | 18              |
| 20                  | 10.7          | 20              |
| 22                  | 5.3           | 22              |
| 24                  | 21.4          | 24              |
| 26                  | 21.4          | 26              |
| 28                  | 48.1          | 28              |
| 30                  | 96.3          | 30              |
| 32                  | 90.9          | 32              |
| 34                  | 101.6         | 34              |
| 36                  | 90.9          | 36              |
| 38                  | 107.0         | 38              |
| 40                  | 85.6          | 40              |
| 42                  | 69.5          | 42              |
| 44                  | 123.0         | 44              |
| 46                  | 10.7          | 46              |
| 48                  | 16.0          | 48              |
| 50                  | 48.1          | 50              |
| 52                  | 21.4          | 52              |
| 54                  |               | 54              |
| 56                  | 10.7          | 56              |
| 58                  |               | 58              |
| 60                  | 5.3           | 60              |
| 62                  | 5.3           | 62              |
| TOTAL               | 1000          |                 |
| No. SAMPLES         | 1             |                 |
| SAMPLING WEIGHT(kg) | 111           |                 |
| No. F.MEASURED      | 187           |                 |
| MEAN LENGTH(cm)     | 38.3          |                 |
| MEAN WEIGHT (g)     | 570           |                 |
| DEPTH RANGE (m)     | 48/53         |                 |

TABLE XIX: AMERICAN PLAICE, DIV. 3O, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | APR     | MAY     | JUN     | JUL     | AUG     | SEP    | OCT    | 2nd Q.  | 3rd Q. | 4th Q. | YEAR   | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|--------|--------|---------|--------|--------|--------|-----------------|
| 16                  |         |         | 2.6     |         |         |        |        | 2.2     |        |        | 0.5    | 16              |
| 18                  |         | 6.3     | 6.3     |         |         | 5.0    | 3.0    | 6.2     | 4.3    | 3.0    | 4.7    | 18              |
| 20                  |         | 6.3     | 33.3    |         | 38.5    | 12.8   | 3.1    | 28.5    | 16.0   | 3.1    | 18.2   | 20              |
| 22                  |         | 44.4    | 50.6    |         | 48.1    | 24.9   | 15.3   | 48.9    | 27.7   | 15.3   | 32.1   | 22              |
| 24                  |         | 38.1    | 70.3    | 9.3     | 38.5    | 58.8   | 27.5   | 64.2    | 56.1   | 27.5   | 56.0   | 24              |
| 26                  |         | 95.1    | 97.6    | 56.1    | 125.0   | 57.8   | 21.4   | 95.8    | 66.2   | 21.4   | 70.2   | 26              |
| 28                  |         | 44.4    | 139.6   | 93.5    | 173.1   | 112.7  | 100.8  | 122.4   | 120.2  | 100.8  | 119.2  | 28              |
| 30                  |         | 183.9   | 145.5   | 308.4   | 230.8   | 147.2  | 143.5  | 149.5   | 158.1  | 143.5  | 154.8  | 30              |
| 32                  |         | 63.4    | 119.8   | 215.0   | 182.7   | 160.7  | 174.0  | 109.1   | 163.6  | 174.0  | 150.6  | 32              |
| 34                  |         | 96.7    | 62.6    | 102.8   | 38.5    | 98.6   | 107.2  | 67.1    | 91.1   | 107.2  | 86.3   | 34              |
| 36                  |         | 45.9    | 83.5    | 65.4    | 9.6     | 74.4   | 61.2   | 76.3    | 66.3   | 61.2   | 68.4   | 36              |
| 38                  |         | 141.1   | 65.6    | 112.1   | 38.5    | 72.5   | 88.7   | 76.6    | 68.4   | 88.7   | 72.0   | 38              |
| 40                  | 20.0    | 59.8    | 82.0    | 37.4    | 48.1    | 84.2   | 52.0   | 77.6    | 79.6   | 52.0   | 76.9   | 40              |
| 42                  | 50.0    | 56.5    | 19.8    |         | 28.8    | 27.2   | 137.6  | 26.1    | 27.3   | 137.6  | 35.5   | 42              |
| 44                  | 60.0    | 23.6    | 6.0     |         |         | 22.5   | 30.7   | 9.6     | 19.6   | 30.7   | 17.9   | 44              |
| 46                  | 100.0   | 25.0    | 8.5     |         |         | 13.1   | 24.6   | 12.5    | 11.5   | 24.6   | 12.7   | 46              |
| 48                  | 80.0    | 6.2     | 1.8     |         |         | 13.1   | 6.1    | 3.6     | 11.5   | 6.1    | 9.1    | 48              |
| 50                  | 130.0   | 18.5    | 4.6     |         |         | 9.5    | 3.1    | 8.6     | 8.3    | 3.1    | 8.0    | 50              |
| 52                  | 180.0   | 9.2     |         |         |         | 4.2    |        | 4.1     | 3.7    |        | 3.5    | 52              |
| 54                  | 140.0   | 9.2     |         |         |         | 0.7    |        | 3.5     | 0.6    |        | 1.3    | 54              |
| 56                  | 140.0   | 3.1     |         |         |         |        |        | 2.5     |        |        | 0.6    | 56              |
| 58                  | 70.0    | 9.2     |         |         |         |        |        | 2.5     |        |        | 0.6    | 58              |
| 60                  | 20.0    | 7.7     |         |         |         |        |        | 1.5     |        |        | 0.4    | 60              |
| 62                  | 10.0    | 3.1     |         |         |         |        |        | 0.6     |        |        | 0.2    | 62              |
| 64                  |         | 1.5     |         |         |         |        |        | 0.2     |        |        | 0.1    | 64              |
| 66                  |         |         |         |         |         |        |        |         |        |        |        | 66              |
| 68                  |         |         |         |         |         |        |        |         |        |        |        | 68              |
| 70                  |         | 1.5     |         |         |         |        |        | 0.2     |        |        | 0.1    | 70              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000   | 1000   | 1000    | 1000   | 1000   | 1000   |                 |
| No. SAMPLES         | 1       | 2       | 7       | 1       | 1       | 8      | 2      | 10      | 10     | 2      | 22     |                 |
| SAMPLING WEIGHT(kg) | 138     | 161     | 297     | 47      | 32      | 541    | 142    | 596     | 620    | 142    | 1358   |                 |
| No. F.MEASURED      | 100     | 219     | 781     | 107     | 104     | 1216   | 327    | 1100    | 1427   | 327    | 2854   |                 |
| MEAN LENGTH(cm)     | 52.1    | 35.4    | 32.0    | 33.0    | 30.9    | 33.8   | 35.4   | 32.8    | 33.4   | 35.4   | 33.4   |                 |
| MEAN WEIGHT (g)     | 1356    | 465     | 315     | 318     | 271     | 373    | 424    | 354     | 361    | 424    | 364    |                 |
| DEPTH RANGE (m)     | 373/458 | 132/269 | 255/411 | 354/364 | 335/415 | 94/420 | 69/263 | 132/458 | 94/420 | 69/263 | 69/458 |                 |

TABLE XX: GREENLAND HALIBUT, DIV. 3L, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAR      | APR      | JUN      | JUL      | AUG       | OCT      | NOV      | 1st Q.   | 2nd Q.   | 3rd Q.   | 4th Q.   | YEAR     | LENGTH<br>GROUP |
|---------------------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------------|
| 18                  |          |          |          |          |           | 0.3      |          |          |          |          | 0.2      | 0.1      | 18              |
| 20                  |          |          | 0.3      |          |           | 3.3      |          |          | 0.3      |          | 2.6      | 1.1      | 20              |
| 22                  |          |          | 2.0      |          |           | 5.1      | 0.7      |          | 1.9      |          | 4.2      | 2.3      | 22              |
| 24                  | 0.5      |          | 4.5      |          |           | 12.2     | 6.0      | 0.5      | 4.2      |          | 10.9     | 5.9      | 24              |
| 26                  | 3.1      |          | 9.0      |          |           | 17.6     | 4.6      | 3.1      | 8.4      |          | 14.9     | 9.5      | 26              |
| 28                  | 8.7      |          | 27.3     |          |           | 33.5     | 13.1     | 8.7      | 25.7     |          | 29.3     | 22.6     | 28              |
| 30                  | 13.4     |          | 29.3     |          |           | 48.1     | 19.7     | 13.4     | 27.6     |          | 42.2     | 29.2     | 30              |
| 32                  | 23.7     |          | 51.5     |          |           | 54.2     | 33.7     | 23.7     | 48.5     |          | 49.9     | 42.0     | 32              |
| 34                  | 40.4     |          | 53.7     | 1.4      |           | 73.8     | 64.6     | 40.4     | 50.5     | 0.8      | 71.9     | 54.7     | 34              |
| 36                  | 44.4     |          | 54.8     | 5.0      |           | 50.0     | 41.7     | 44.4     | 51.5     | 2.8      | 48.3     | 46.7     | 36              |
| 38                  | 65.1     |          | 97.7     | 13.6     |           | 88.9     | 96.6     | 65.1     | 91.9     | 7.6      | 90.5     | 82.4     | 38              |
| 40                  | 137.9    |          | 136.8    | 31.6     | 13.3      | 79.2     | 89.6     | 137.9    | 128.7    | 23.5     | 81.4     | 107.6    | 40              |
| 42                  | 77.3     |          | 133.6    | 45.8     | 19.7      | 86.8     | 85.4     | 77.3     | 125.6    | 34.3     | 86.5     | 96.8     | 42              |
| 44                  | 62.6     |          | 87.9     | 92.4     | 44.3      | 136.0    | 39.9     | 62.6     | 82.6     | 71.2     | 116.1    | 91.1     | 44              |
| 46                  | 56.2     | 31.9     | 60.3     | 139.2    | 81.3      | 69.9     | 74.6     | 56.2     | 58.6     | 113.7    | 70.8     | 65.2     | 46              |
| 48                  | 83.7     | 56.2     | 47.1     | 250.6    | 257.0     | 46.1     | 93.6     | 83.7     | 47.7     | 253.5    | 55.9     | 66.9     | 48              |
| 50                  | 126.3    | 219.2    | 56.0     | 133.6    | 249.7     | 46.0     | 147.1    | 126.3    | 65.7     | 184.9    | 67.0     | 83.5     | 50              |
| 52                  | 85.0     | 243.0    | 40.4     | 43.2     | 135.6     | 42.3     | 72.9     | 85.0     | 52.4     | 84.0     | 48.7     | 58.8     | 52              |
| 54                  | 88.2     | 141.3    | 37.8     | 97.2     | 63.7      | 36.1     | 38.4     | 88.2     | 43.9     | 82.4     | 36.6     | 51.6     | 54              |
| 56                  | 36.5     | 155.1    | 17.0     | 71.8     | 59.0      | 19.3     | 19.6     | 36.5     | 25.2     | 66.1     | 19.3     | 26.9     | 56              |
| 58                  | 20.1     | 93.2     | 29.2     | 30.6     | 27.3      | 26.6     | 27.9     | 20.1     | 33.0     | 29.2     | 26.9     | 27.9     | 58              |
| 60                  | 13.0     | 28.1     | 11.6     | 25.6     | 25.0      | 15.7     | 17.1     | 13.0     | 12.5     | 25.3     | 16.0     | 14.5     | 60              |
| 62                  | 9.9      | 23.8     | 8.2      | 11.4     | 17.0      | 5.5      | 9.6      | 9.9      | 9.1      | 13.9     | 6.4      | 8.4      | 62              |
| 64                  | 3.0      | 8.1      | 3.6      | 2.8      | 7.0       | 2.8      | 2.3      | 3.0      | 3.9      | 4.7      | 2.7      | 3.3      | 64              |
| 66                  | 1.2      |          | 0.5      | 1.4      |           | 0.5      |          | 1.2      | 0.5      | 0.8      | 0.4      | 0.6      | 66              |
| 68                  |          |          |          | 1.4      |           | 0.3      | 1.0      |          |          | 0.8      | 0.5      | 0.2      | 68              |
| 70                  |          |          |          |          |           |          |          |          |          |          |          |          | 70              |
| 72                  |          |          |          | 1.4      |           |          |          |          |          | 0.8      |          | 0.03     | 72              |
| TOTAL               | 1000     | 1000     | 1000     | 1000     | 1000      | 1000     | 1000     | 1000     | 1000     | 1000     | 1000     | 1000     |                 |
| No. SAMPLES         | 8        | 2        | 13       | 2        | 2         | 12       | 3        | 8        | 15       | 4        | 15       | 42       |                 |
| SAMPLING WEIGHT(kg) | 1426     | 275      | 2805     | 527      | 567       | 2120     | 715      | 1426     | 3080     | 1094     | 2835     | 8435     |                 |
| No. F.MEASURED      | 1906     | 200      | 3017     | 400      | 400       | 2878     | 963      | 1906     | 3217     | 800      | 3841     | 9764     |                 |
| MEAN LENGTH(cm)     | 46.4     | 54.2     | 43.2     | 50.1     | 51.3      | 42.5     | 45.3     | 46.4     | 43.9     | 50.6     | 43.1     | 44.4     |                 |
| MEAN WEIGHT (g)     | 935      | 1391     | 772      | 1126     | 1189      | 750      | 880      | 935      | 809      | 1154     | 777      | 837      |                 |
| DEPTH RANGE (m)     | 772/1485 | 803/1083 | 840/1307 | 824/1271 | 1008/1235 | 870/1274 | 984/1237 | 772/1485 | 803/1307 | 824/1271 | 870/1274 | 772/1485 |                 |

TABLE XXI: GREENLAND HALIBUT, DIV. 3M, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAR      | APR      | JUN     | JUL      | 1st Q.   | 2nd Q.   | 3rd Q.   | YEAR     | LENGTH<br>GROUP |
|---------------------|----------|----------|---------|----------|----------|----------|----------|----------|-----------------|
| 22                  | 0.4      |          |         |          | 0.4      |          |          | 0.2      | 22              |
| 24                  |          |          | 8.8     |          |          | 0.9      |          | 0.3      | 24              |
| 26                  | 2.2      |          |         |          | 2.2      |          |          | 1.3      | 26              |
| 28                  | 5.0      |          | 17.7    |          | 5.0      | 1.8      |          | 3.6      | 28              |
| 30                  | 14.8     |          |         |          | 14.8     |          |          | 8.7      | 30              |
| 32                  | 16.3     |          | 35.4    |          | 16.3     | 3.6      |          | 10.9     | 32              |
| 34                  | 37.2     |          | 26.5    |          | 37.2     | 2.7      |          | 22.8     | 34              |
| 36                  | 46.0     |          | 17.7    |          | 46.0     | 1.8      |          | 27.7     | 36              |
| 38                  | 78.4     |          | 35.4    |          | 78.4     | 3.6      |          | 47.4     | 38              |
| 40                  | 130.6    | 10.0     | 97.3    |          | 130.6    | 19.0     |          | 83.6     | 40              |
| 42                  | 106.2    | 18.0     | 221.2   | 5.0      | 106.2    | 38.9     | 5.0      | 76.8     | 42              |
| 44                  | 55.9     | 36.0     | 150.4   | 20.1     | 55.9     | 47.7     | 20.1     | 51.2     | 44              |
| 46                  | 57.8     | 52.1     | 212.4   | 25.1     | 57.8     | 68.6     | 25.1     | 60.1     | 46              |
| 48                  | 94.1     | 83.9     | 123.9   | 30.2     | 94.1     | 88.0     | 30.2     | 88.8     | 48              |
| 50                  | 144.9    | 174.1    | 35.4    | 95.5     | 144.9    | 159.8    | 95.5     | 148.0    | 50              |
| 52                  | 112.8    | 235.9    | 17.7    | 65.3     | 112.8    | 213.5    | 65.3     | 147.2    | 52              |
| 54                  | 35.2     | 119.9    |         | 95.5     | 35.2     | 107.6    | 95.5     | 64.5     | 54              |
| 56                  | 20.6     | 85.9     |         | 226.1    | 20.6     | 77.1     | 226.1    | 51.1     | 56              |
| 58                  | 19.3     | 92.1     |         | 236.2    | 19.3     | 82.6     | 236.2    | 52.8     | 58              |
| 60                  | 11.4     | 62.1     |         | 135.7    | 11.4     | 55.8     | 135.7    | 33.5     | 60              |
| 62                  | 7.2      | 16.0     |         | 35.2     | 7.2      | 14.3     | 35.2     | 11.2     | 62              |
| 64                  | 2.0      | 4.0      |         | 10.1     | 2.0      | 3.6      | 10.1     | 2.9      | 64              |
| 66                  | 1.8      | 4.0      |         | 15.1     | 1.8      | 3.6      | 15.1     | 3.1      | 66              |
| 68                  |          |          |         | 5.0      |          |          | 5.0      | 0.2      | 68              |
| 70                  |          |          |         |          |          |          |          |          | 70              |
| 72                  |          | 6.0      |         |          |          | 5.4      |          | 2.0      | 72              |
| TOTAL               | 1000     | 1000     | 1000    | 1000     | 1000     | 1000     | 1000     | 1000     |                 |
| No. SAMPLES         | 6        | 2        | 1       | 1        | 6        | 3        | 1        | 10       |                 |
| SAMPLING WEIGHT(kg) | 935      | 259      | 101     | 346      | 935      | 360      | 346      | 1641     |                 |
| No. F.MEASURED      | 1171     | 200      | 113     | 199      | 1171     | 313      | 199      | 1683     |                 |
| MEAN LENGTH(cm)     | 46.0     | 53.4     | 43.9    | 56.7     | 46.0     | 52.5     | 56.7     | 48.9     |                 |
| MEAN WEIGHT (g)     | 905      | 1350     | 764     | 1601     | 905      | 1290     | 1601     | 1079     |                 |
| DEPTH RANGE (m)     | 873/1135 | 783/1148 | 749/841 | 957/1063 | 873/1135 | 749/1148 | 957/1063 | 749/1148 |                 |

TABLE XXII: GREENLAND HALIBUT, DIV. 3N, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | JUL      | AUG      | 3rd Q.<br>= YEAR | LENGTH<br>GROUP |
|---------------------|----------|----------|------------------|-----------------|
| 32                  | 21.0     |          | 11.8             | 32              |
| 34                  | 30.5     |          | 17.1             | 34              |
| 36                  | 22.9     | 12.9     | 18.5             | 36              |
| 38                  | 74.5     | 14.2     | 48.0             | 38              |
| 40                  | 119.8    | 80.7     | 102.7            | 40              |
| 42                  | 109.6    | 83.3     | 98.1             | 42              |
| 44                  | 97.1     | 151.6    | 121.0            | 44              |
| 46                  | 116.6    | 145.4    | 129.2            | 46              |
| 48                  | 84.6     | 108.9    | 95.2             | 48              |
| 50                  | 119.3    | 136.9    | 127.0            | 50              |
| 52                  | 85.8     | 82.1     | 84.2             | 52              |
| 54                  | 41.3     | 58.2     | 48.7             | 54              |
| 56                  | 35.4     | 66.3     | 49.0             | 56              |
| 58                  | 14.8     | 19.5     | 16.9             | 58              |
| 60                  | 5.9      | 18.7     | 11.5             | 60              |
| 62                  | 3.0      | 19.5     | 10.2             | 62              |
| 64                  |          | 1.8      | 0.8              | 64              |
| 66                  | 8.9      |          | 5.0              | 66              |
| 68                  | 3.0      |          | 1.7              | 68              |
| 70                  |          |          |                  | 70              |
| 72                  |          |          |                  | 72              |
| 74                  |          |          |                  | 74              |
| 76                  | 5.9      |          | 3.3              | 76              |
| TOTAL               | 1000     | 1000     | 1000             |                 |
| No. SAMPLES         | 2        | 2        | 4                |                 |
| SAMPLING WEIGHT(kg) | 543      | 475      | 1019             |                 |
| No. F.MEASURED      | 413      | 400      | 813              |                 |
| MEAN LENGTH(cm)     | 46.7     | 48.9     | 47.7             |                 |
| MEAN WEIGHT (g)     | 944      | 1051     | 991              |                 |
| DEPTH RANGE (m)     | 891/1033 | 900/1400 | 891/1400         |                 |

TABLE XXIII: WITCH FLOUNDER, DIV. 3M, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | SEP     | OCT     | NOV     | 3rd Q.  | 4th Q.  | YEAR    | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|-----------------|
| 20                  | 18.2    |         |         | 18.2    |         | 14.5    | 20              |
| 22                  | 16.1    | 8.1     |         | 16.1    | 1.9     | 13.2    | 22              |
| 24                  | 74.2    | 24.2    | 8.8     | 74.2    | 12.5    | 61.7    | 24              |
| 26                  | 68.5    | 32.3    | 61.9    | 68.5    | 55.0    | 65.7    | 26              |
| 28                  | 185.6   | 88.7    | 97.3    | 185.6   | 95.3    | 167.3   | 28              |
| 30                  | 129.9   | 112.9   | 97.3    | 129.9   | 101.0   | 124.0   | 30              |
| 32                  | 131.1   | 80.6    | 168.1   | 131.1   | 147.6   | 134.5   | 32              |
| 34                  | 80.4    | 177.4   | 79.6    | 80.4    | 102.6   | 84.9    | 34              |
| 36                  | 106.5   | 145.2   | 70.8    | 106.5   | 88.3    | 102.8   | 36              |
| 38                  | 110.9   | 233.9   | 97.3    | 110.9   | 129.4   | 114.6   | 38              |
| 40                  | 41.9    | 72.6    | 168.1   | 41.9    | 145.7   | 62.9    | 40              |
| 42                  | 24.7    | 8.1     | 88.5    | 24.7    | 69.6    | 33.8    | 42              |
| 44                  | 9.4     | 8.1     | 26.5    | 9.4     | 22.2    | 12.0    | 44              |
| 46                  | 2.7     | 8.1     | 8.8     | 2.7     | 8.7     | 3.9     | 46              |
| 48                  |         |         | 8.8     |         | 6.8     | 1.4     | 48              |
| 50                  |         |         |         |         |         |         | 50              |
| 52                  |         |         | 17.7    |         | 13.5    | 2.7     | 52              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |                 |
| No. SAMPLES         | 3       | 1       | 1       | 3       | 2       | 5       |                 |
| SAMPLING WEIGHT(kg) | 126     | 49      | 48      | 126     | 97      | 223     |                 |
| No. F.MEASURED      | 318     | 124     | 113     | 318     | 237     | 555     |                 |
| MEAN LENGTH(cm)     | 32.6    | 35.2    | 36.2    | 32.6    | 35.9    | 33.3    |                 |
| MEAN WEIGHT (g)     | 413     | 488     | 532     | 413     | 522     | 435     |                 |
| DEPTH RANGE (m)     | 141/204 | 152/179 | 153/202 | 141/204 | 152/202 | 141/204 |                 |

TABLE XXIV: WITCH FLOUNDER, DIV. 3N, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP | AUG<br>=YEAR | LENGTH<br>GROUP |
|-----------------|--------------|-----------------|
| 38              | 5.4          | 38              |
| 40              | 32.4         | 40              |
| 42              | 59.5         | 42              |
| 44              | 43.2         | 44              |
| 46              | 291.9        | 46              |
| 48              | 210.8        | 48              |
| 50              | 135.1        | 50              |
| 52              | 70.3         | 52              |
| 54              | 70.3         | 54              |
| 56              | 16.2         | 56              |
| 58              | 27.0         | 58              |
| 60              | 27.0         | 60              |
| 62              | 10.8         | 62              |
| TOTAL           | 1000         |                 |

No. SAMPLES 1  
 SAMPLING WEIGHT(kg) 124  
 No. F.MEASURED 185  
 MEAN LENGTH(cm) 49.4  
 MEAN WEIGHT (g) 1030  
 DEPTH RANGE (m) 470/1100

TABLE XXV: WITCH FLOUNDER, DIV. 3O, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP | JUL   | AUG   | SEP   | 3rd Q.<br>=YEAR | LENGTH<br>GROUP |
|-----------------|-------|-------|-------|-----------------|-----------------|
| 18              |       | 39.0  | 6.5   | 9.1             | 18              |
| 20              |       | 77.9  | 20.1  | 24.8            | 20              |
| 22              |       | 142.9 | 30.5  | 39.6            | 22              |
| 24              |       | 155.8 | 72.7  | 79.3            | 24              |
| 26              |       | 103.9 | 62.5  | 65.6            | 26              |
| 28              |       | 39.0  | 131.6 | 123.4           | 28              |
| 30              |       | 168.8 | 106.4 | 111.1           | 30              |
| 32              |       | 155.8 | 157.7 | 156.9           | 32              |
| 34              |       | 26.0  | 83.8  | 78.6            | 34              |
| 36              |       | 39.0  | 76.6  | 73.2            | 36              |
| 38              |       | 13.0  | 97.6  | 90.1            | 38              |
| 40              |       | 39.0  | 48.4  | 47.4            | 40              |
| 42              |       |       | 36.1  | 33.0            | 42              |
| 44              |       |       | 39.0  | 35.6            | 44              |
| 46              |       |       | 11.2  | 10.2            | 46              |
| 48              | 34.9  |       | 10.6  | 9.8             | 48              |
| 50              | 151.2 |       | 5.0   | 5.2             | 50              |
| 52              | 360.5 |       | 1.7   | 3.1             | 52              |
| 54              | 267.4 |       | 1.6   | 2.6             | 54              |
| 56              | 127.9 |       | 0.5   | 1.0             | 56              |
| 58              | 23.3  |       |       | 0.1             | 58              |
| 60              | 34.9  |       |       | 0.2             | 60              |
| TOTAL           | 1000  | 1000  | 1000  | 1000            |                 |

No. SAMPLES 1 1 10 12  
 SAMPLING WEIGHT(kg) 72 20 592 684  
 No. F.MEASURED 86 77 1398 1561  
 MEAN LENGTH(cm) 54.0 28.3 33.4 33.1  
 MEAN WEIGHT (g) 1431 123 242 237  
 DEPTH RANGE (m) 362/371 335/415 259/431 259/431

TABLE XXVI: ROUGHHEAD GRENADIER, DIV. 3L, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAR      | JUN     | JUL     | AUG     | 1st Q.   | 2nd Q.  | 3rd Q.  | YEAR     | LENGTH<br>GROUP |
|---------------------|----------|---------|---------|---------|----------|---------|---------|----------|-----------------|
| 7                   |          | 8.3     | 15.0    |         |          | 8.3     | 8.6     | 5.4      | 7               |
| 8                   | 14.8     | 15.0    | 55.0    |         | 14.8     | 15.0    | 31.5    | 15.8     | 8               |
| 9                   | 44.8     | 35.0    | 110.0   |         | 44.8     | 35.0    | 63.0    | 39.8     | 9               |
| 10                  | 93.7     | 77.7    | 280.0   | 15.0    | 93.7     | 77.7    | 166.7   | 87.9     | 10              |
| 11                  | 201.8    | 140.9   | 230.0   | 45.0    | 201.8    | 140.9   | 150.9   | 162.7    | 11              |
| 12                  | 354.9    | 352.6   | 140.0   | 50.0    | 354.9    | 352.6   | 101.5   | 340.4    | 12              |
| 13                  | 109.9    | 110.5   | 100.0   | 95.0    | 109.9    | 110.5   | 97.9    | 109.6    | 13              |
| 14                  | 53.8     | 66.6    | 40.0    | 135.0   | 53.8     | 66.6    | 80.6    | 62.8     | 14              |
| 15                  | 28.9     | 77.9    | 30.0    | 260.0   | 28.9     | 77.9    | 128.4   | 63.4     | 15              |
| 16                  | 24.9     | 29.4    |         | 105.0   | 24.9     | 29.4    | 44.9    | 28.6     | 16              |
| 17                  | 12.4     | 25.0    |         | 85.0    | 12.4     | 25.0    | 36.3    | 21.2     | 17              |
| 18                  | 10.1     | 21.1    |         | 90.0    | 10.1     | 21.1    | 38.5    | 18.2     | 18              |
| 19                  | 5.2      | 6.1     |         | 80.0    | 5.2      | 6.1     | 34.2    | 7.2      | 19              |
| 20                  | 9.5      | 8.9     |         | 30.0    | 9.5      | 8.9     | 12.8    | 9.3      | 20              |
| 21                  | 4.6      | 10.0    |         | 10.0    | 4.6      | 10.0    | 4.3     | 7.8      | 21              |
| 22                  | 2.9      | 2.8     |         |         | 2.9      | 2.8     |         | 2.7      | 22              |
| 23                  | 1.2      | 6.1     |         |         | 1.2      | 6.1     |         | 4.1      | 23              |
| 24                  | 2.6      | 2.8     |         |         | 2.6      | 2.8     |         | 2.6      | 24              |
| 25                  | 6.7      |         |         |         | 6.7      |         |         | 2.3      | 25              |
| 26                  | 9.0      | 3.3     |         |         | 9.0      | 3.3     |         | 5.1      | 26              |
| 27                  |          |         |         |         |          |         |         |          | 27              |
| 28                  | 1.2      |         |         |         | 1.2      |         |         | 0.4      | 28              |
| 29                  | 1.2      |         |         |         | 1.2      |         |         | 0.4      | 29              |
| 30                  | 6.1      |         |         |         | 6.1      |         |         | 2.1      | 30              |
| TOTAL               | 1000     | 1000    | 1000    | 1000    | 1000     | 1000    | 1000    | 1000     |                 |
| No. SAMPLES         | 3        | 2       | 1       | 1       | 3        | 2       | 2       | 7        |                 |
| SAMPLING WEIGHT(kg) | 231      | 159     | 34      | 71      | 231      | 159     | 106     | 496      |                 |
| No. F.MEASURED      | 480      | 333     | 200     | 200     | 480      | 333     | 400     | 1213     |                 |
| MEAN LENGTH(cm)     | 13.0     | 13.2    | 11.4    | 15.8    | 13.0     | 13.2    | 13.3    | 13.2     |                 |
| MEAN WEIGHT (g)     | 240      | 236     | 146     | 372     | 240      | 236     | 243     | 238      |                 |
| DEPTH RANGE (m)     | 854/1255 | 901/997 | 829/896 | 887/899 | 854/1255 | 901/997 | 829/899 | 829/1255 |                 |

TABLE XXVII: ROUGHHEAD GRENADIER, DIV. 3M, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAR      | JUL      | 1st Q.   | 3rd Q.   | YEAR     | LENGTH<br>GROUP |
|---------------------|----------|----------|----------|----------|----------|-----------------|
| 7                   | 3.6      |          | 3.6      |          | 3.5      | 7               |
| 8                   | 33.1     | 5.0      | 33.1     | 5.0      | 32.7     | 8               |
| 9                   | 50.7     | 40.0     | 50.7     | 40.0     | 50.6     | 9               |
| 10                  | 123.9    | 45.0     | 123.9    | 45.0     | 122.8    | 10              |
| 11                  | 190.0    | 55.0     | 190.0    | 55.0     | 188.1    | 11              |
| 12                  | 335.8    | 195.0    | 335.8    | 195.0    | 333.8    | 12              |
| 13                  | 106.6    | 150.0    | 106.6    | 150.0    | 107.2    | 13              |
| 14                  | 23.2     | 210.0    | 23.2     | 210.0    | 25.9     | 14              |
| 15                  | 48.6     | 185.0    | 48.6     | 185.0    | 50.6     | 15              |
| 16                  | 23.8     | 40.0     | 23.8     | 40.0     | 24.0     | 16              |
| 17                  | 17.4     | 50.0     | 17.4     | 50.0     | 17.9     | 17              |
| 18                  | 16.7     | 25.0     | 16.7     | 25.0     | 16.8     | 18              |
| 19                  |          |          |          |          |          | 19              |
| 20                  | 5.1      |          | 5.1      |          | 5.0      | 20              |
| 21                  | 12.2     |          | 12.2     |          | 12.0     | 21              |
| 22                  | 2.8      |          | 2.8      |          | 2.8      | 22              |
| 23                  | 3.6      |          | 3.6      |          | 3.5      | 23              |
| 24                  | 1.4      |          | 1.4      |          | 1.4      | 24              |
| 25                  |          |          |          |          |          | 25              |
| 26                  | 1.4      |          | 1.4      |          | 1.4      | 26              |
| TOTAL               | 1000     | 1000     | 1000     | 1000     | 1000     |                 |
| No. SAMPLES         | 3        | 1        | 3        | 1        | 4        |                 |
| SAMPLING WEIGHT(kg) | 182      | 42       | 182      | 42       | 224      |                 |
| No. F.MEASURED      | 452      | 200      | 452      | 200      | 652      |                 |
| MEAN LENGTH(cm)     | 12.6     | 13.9     | 12.6     | 13.9     | 12.6     |                 |
| MEAN WEIGHT (g)     | 206      | 257      | 206      | 257      | 206      |                 |
| DEPTH RANGE (m)     | 873/1135 | 918/1044 | 873/1135 | 918/1044 | 873/1135 |                 |

TABLE XXVIII: THORNY SKATE, DIV. 3M, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | FEB<br>= YEAR | LENGTH<br>GROUP |
|---------------------|---------------|-----------------|
| 48                  | 45.5          | 48              |
| 50                  | 90.9          | 50              |
| 52                  | 90.9          | 52              |
| 54                  | 45.5          | 54              |
| 56                  | 90.9          | 56              |
| 58                  |               | 58              |
| 60                  | 90.9          | 60              |
| 62                  | 90.9          | 62              |
| 64                  |               | 64              |
| 66                  | 45.5          | 66              |
| 68                  | 45.5          | 68              |
| 70                  | 45.5          | 70              |
| 72                  | 90.9          | 72              |
| 74                  | 90.9          | 74              |
| 76                  | 45.5          | 76              |
| 78                  |               | 78              |
| 80                  | 45.5          | 80              |
| 82                  |               | 82              |
| 84                  | 45.5          | 84              |
| TOTAL               | 1000          |                 |
| No. SAMPLES         | 1             |                 |
| SAMPLING WEIGHT(kg) | 69            |                 |
| No. F.MEASURED      | 22            |                 |
| MEAN LENGTH(cm)     | 64.0          |                 |
| MEAN WEIGHT (g)     | 3074          |                 |
| DEPTH RANGE (m)     | 377/391       |                 |

TABLE XXIX: WHITE HAKE, DIV. 30, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAY     | JUN     | AUG     | SEP     | 2nd Q.  | 3rd Q.  | YEAR    | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|---------|-----------------|
| 24                  |         | 3.9     |         | 3.1     | 3.4     | 2.9     | 3.0     | 24              |
| 25                  |         |         |         | 3.1     |         | 2.9     | 2.1     | 25              |
| 26                  |         | 5.6     |         |         | 4.9     |         | 1.4     | 26              |
| 27                  |         | 5.6     |         |         | 4.9     |         | 1.4     | 27              |
| 28                  | 14.7    |         | 18.2    | 3.1     | 1.8     | 4.0     | 3.4     | 28              |
| 29                  |         |         |         | 6.2     |         | 5.8     | 4.1     | 29              |
| 30                  |         | 7.8     | 36.4    | 6.1     | 6.8     | 8.0     | 7.7     | 30              |
| 31                  | 29.4    | 2.0     |         | 6.2     | 5.3     | 5.8     | 5.6     | 31              |
| 32                  | 29.4    | 2.0     | 18.2    |         | 5.3     | 1.2     | 2.3     | 32              |
| 33                  |         | 7.5     |         | 8.7     | 6.6     | 8.2     | 7.7     | 33              |
| 34                  |         |         |         | 38.1    |         | 35.7    | 25.6    | 34              |
| 35                  |         | 24.7    | 36.4    | 23.2    | 21.7    | 24.0    | 23.4    | 35              |
| 36                  |         | 9.2     | 36.4    | 11.8    | 8.1     | 13.3    | 11.9    | 36              |
| 37                  | 14.7    | 15.5    |         | 61.8    | 15.4    | 57.9    | 45.9    | 37              |
| 38                  |         | 54.1    |         | 23.2    | 47.5    | 21.7    | 29.0    | 38              |
| 39                  | 44.1    | 35.5    | 54.5    | 14.9    | 36.6    | 17.4    | 22.8    | 39              |
| 40                  |         | 11.2    | 36.4    | 75.0    | 9.8     | 72.5    | 54.8    | 40              |
| 41                  |         | 54.7    | 36.4    | 33.4    | 48.0    | 33.5    | 37.6    | 41              |
| 42                  | 14.7    | 71.3    |         | 15.3    | 64.3    | 14.3    | 28.5    | 42              |
| 43                  | 58.8    | 19.4    |         | 97.6    | 24.3    | 91.4    | 72.5    | 43              |
| 44                  |         | 19.1    | 145.5   | 78.2    | 16.8    | 82.4    | 63.9    | 44              |
| 45                  | 29.4    | 56.2    | 18.2    | 94.5    | 52.9    | 89.6    | 79.3    | 45              |
| 46                  | 191.2   | 94.8    | 109.1   | 55.2    | 106.7   | 58.7    | 72.2    | 46              |
| 47                  | 14.7    | 64.4    | 36.4    | 12.3    | 58.3    | 13.8    | 26.4    | 47              |
| 48                  | 102.9   | 62.0    | 36.4    | 32.2    | 67.0    | 32.4    | 42.2    | 48              |
| 49                  |         | 11.2    | 36.4    | 36.2    | 9.8     | 36.2    | 28.7    | 49              |
| 50                  | 29.4    | 65.5    | 200.0   | 48.6    | 61.0    | 58.2    | 59.0    | 50              |
| 51                  | 29.4    | 79.3    | 36.4    | 18.2    | 73.2    | 19.3    | 34.5    | 51              |
| 52                  | 102.9   | 35.7    | 18.2    | 47.6    | 44.0    | 45.7    | 45.2    | 52              |
| 53                  | 29.4    | 56.1    |         | 37.4    | 52.8    | 35.1    | 40.1    | 53              |
| 54                  | 14.7    | 18.2    |         | 17.5    | 17.8    | 16.4    | 16.8    | 54              |
| 55                  | 102.9   |         | 18.2    | 28.6    | 12.7    | 28.0    | 23.6    | 55              |
| 56                  | 29.4    | 47.8    |         | 8.8     | 45.6    | 8.2     | 18.8    | 56              |
| 57                  | 14.7    | 16.5    |         | 18.4    | 16.3    | 17.2    | 16.9    | 57              |
| 58                  | 14.7    | 24.7    | 36.4    | 9.2     | 23.5    | 10.9    | 14.5    | 58              |
| 59                  |         |         | 18.2    | 2.8     |         | 3.8     | 2.7     | 59              |
| 60                  | 58.8    | 7.3     |         | 6.1     | 13.6    | 5.7     | 7.9     | 60              |
| 61                  |         | 7.3     | 18.2    | 3.1     | 6.4     | 4.0     | 4.7     | 61              |
| 62                  | 14.7    |         |         | 8.9     | 1.8     | 8.4     | 6.5     | 62              |
| 63                  | 14.7    |         |         |         | 1.8     |         | 0.5     | 63              |
| 64                  |         |         |         |         |         |         |         | 64              |
| 65                  |         | 3.6     |         |         | 3.2     |         | 0.9     | 65              |
| 66                  |         |         |         | 2.8     |         | 2.7     | 1.9     | 66              |
| 67                  |         |         |         | 2.8     |         | 2.7     | 1.9     | 67              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |                 |
| No. SAMPLES         | 1       | 3       | 1       | 3       | 4       | 4       | 8       |                 |
| SAMPLING WEIGHT(kg) | 97      | 375     | 61      | 363     | 472     | 424     | 896     |                 |
| No. F.MEASURED      | 68      | 247     | 55      | 334     | 315     | 389     | 704     |                 |
| MEAN LENGTH(cm)     | 49.0    | 46.8    | 45.9    | 45.2    | 47.1    | 45.3    | 45.8    |                 |
| MEAN WEIGHT (g)     | 1023    | 886     | 840     | 807     | 903     | 809     | 836     |                 |
| DEPTH RANGE (m)     | 393/394 | 254/426 | 335/415 | 251/431 | 254/426 | 251/431 | 251/431 |                 |

TABLE XXVII: ROUGHHEAD GRENADIER, DIV. 3M, 2014: length composition (0/000)  
130mm trawl catches.

| LENGTH<br>GROUP     | MAR<br>=1st Q. | JUL<br>=3rd Q. | YEAR     | LENGTH<br>GROUP |
|---------------------|----------------|----------------|----------|-----------------|
| 7                   | 3.6            |                | 3.5      | 7               |
| 8                   | 33.1           | 5.0            | 32.7     | 8               |
| 9                   | 50.7           | 40.0           | 50.6     | 9               |
| 10                  | 123.9          | 45.0           | 122.8    | 10              |
| 11                  | 190.0          | 55.0           | 188.1    | 11              |
| 12                  | 335.8          | 195.0          | 333.8    | 12              |
| 13                  | 106.6          | 150.0          | 107.2    | 13              |
| 14                  | 23.2           | 210.0          | 25.9     | 14              |
| 15                  | 48.6           | 185.0          | 50.6     | 15              |
| 16                  | 23.8           | 40.0           | 24.0     | 16              |
| 17                  | 17.4           | 50.0           | 17.9     | 17              |
| 18                  | 16.7           | 25.0           | 16.8     | 18              |
| 19                  |                |                |          | 19              |
| 20                  | 5.1            |                | 5.0      | 20              |
| 21                  | 12.2           |                | 12.0     | 21              |
| 22                  | 2.8            |                | 2.8      | 22              |
| 23                  | 3.6            |                | 3.5      | 23              |
| 24                  | 1.4            |                | 1.4      | 24              |
| 25                  |                |                |          | 25              |
| 26                  | 1.4            |                | 1.4      | 26              |
| TOTAL               | 1000           | 1000           | 1000     |                 |
|                     |                |                |          |                 |
| No. SAMPLES         | 3              | 1              | 4        |                 |
| SAMPLING WEIGHT(kg) | 182            | 42             | 224      |                 |
| No. F.MEASURED      | 452            | 200            | 652      |                 |
| MEAN LENGTH(cm)     | 12.6           | 13.9           | 12.6     |                 |
| MEAN WEIGHT (g)     | 206            | 257            | 206      |                 |
| DEPTH RANGE (m)     | 873/1135       | 918/1044       | 873/1135 |                 |

TABLE XXVIII: THORNY SKATE, DIV. 3M, 2014: length composition  
(0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | FEB<br>= YEAR | LENGTH<br>GROUP |
|---------------------|---------------|-----------------|
| 48                  | 45.5          | 48              |
| 50                  | 90.9          | 50              |
| 52                  | 90.9          | 52              |
| 54                  | 45.5          | 54              |
| 56                  | 90.9          | 56              |
| 58                  |               | 58              |
| 60                  | 90.9          | 60              |
| 62                  | 90.9          | 62              |
| 64                  |               | 64              |
| 66                  | 45.5          | 66              |
| 68                  | 45.5          | 68              |
| 70                  | 45.5          | 70              |
| 72                  | 90.9          | 72              |
| 74                  | 90.9          | 74              |
| 76                  | 45.5          | 76              |
| 78                  |               | 78              |
| 80                  | 45.5          | 80              |
| 82                  |               | 82              |
| 84                  | 45.5          | 84              |
| TOTAL               | 1000          |                 |
|                     |               |                 |
| No. SAMPLES         | 1             |                 |
| SAMPLING WEIGHT(kg) | 69            |                 |
| No. F.MEASURED      | 22            |                 |
| MEAN LENGTH(cm)     | 64.0          |                 |
| MEAN WEIGHT (g)     | 3074          |                 |
| DEPTH RANGE (m)     | 377/391       |                 |

TABLE XXIX: WHITE HAKE, DIV. 3O, 2014: length composition (0/000) of the 130mm trawl catches.

| LENGTH<br>GROUP     | MAY     | JUN     | AUG     | SEP     | 2nd Q.  | 3rd Q.  | YEAR    | LENGTH<br>GROUP |
|---------------------|---------|---------|---------|---------|---------|---------|---------|-----------------|
| 24                  |         | 3.9     |         | 3.1     | 3.4     | 2.9     | 3.0     | 24              |
| 25                  |         |         |         | 3.1     |         | 2.9     | 2.1     | 25              |
| 26                  |         | 5.6     |         |         | 4.9     |         | 1.4     | 26              |
| 27                  |         | 5.6     |         |         | 4.9     |         | 1.4     | 27              |
| 28                  | 14.7    |         | 18.2    | 3.1     | 1.8     | 4.0     | 3.4     | 28              |
| 29                  |         |         |         | 6.2     |         | 5.8     | 4.1     | 29              |
| 30                  |         | 7.8     | 36.4    | 6.1     | 6.8     | 8.0     | 7.7     | 30              |
| 31                  | 29.4    | 2.0     |         | 6.2     | 5.3     | 5.8     | 5.6     | 31              |
| 32                  | 29.4    | 2.0     | 18.2    |         | 5.3     | 1.2     | 2.3     | 32              |
| 33                  |         | 7.5     |         | 8.7     | 6.6     | 8.2     | 7.7     | 33              |
| 34                  |         |         |         | 38.1    |         | 35.7    | 25.6    | 34              |
| 35                  |         | 24.7    | 36.4    | 23.2    | 21.7    | 24.0    | 23.4    | 35              |
| 36                  |         | 9.2     | 36.4    | 11.8    | 8.1     | 13.3    | 11.9    | 36              |
| 37                  | 14.7    | 15.5    |         | 61.8    | 15.4    | 57.9    | 45.9    | 37              |
| 38                  |         | 54.1    |         | 23.2    | 47.5    | 21.7    | 29.0    | 38              |
| 39                  | 44.1    | 35.5    | 54.5    | 14.9    | 36.6    | 17.4    | 22.8    | 39              |
| 40                  |         | 11.2    | 36.4    | 75.0    | 9.8     | 72.5    | 54.8    | 40              |
| 41                  |         | 54.7    | 36.4    | 33.4    | 48.0    | 33.5    | 37.6    | 41              |
| 42                  | 14.7    | 71.3    |         | 15.3    | 64.3    | 14.3    | 28.5    | 42              |
| 43                  | 58.8    | 19.4    |         | 97.6    | 24.3    | 91.4    | 72.5    | 43              |
| 44                  |         | 19.1    | 145.5   | 78.2    | 16.8    | 82.4    | 63.9    | 44              |
| 45                  | 29.4    | 56.2    | 18.2    | 94.5    | 52.9    | 89.6    | 79.3    | 45              |
| 46                  | 191.2   | 94.8    | 109.1   | 55.2    | 106.7   | 58.7    | 72.2    | 46              |
| 47                  | 14.7    | 64.4    | 36.4    | 12.3    | 58.3    | 13.8    | 26.4    | 47              |
| 48                  | 102.9   | 62.0    | 36.4    | 32.2    | 67.0    | 32.4    | 42.2    | 48              |
| 49                  |         | 11.2    | 36.4    | 36.2    | 9.8     | 36.2    | 28.7    | 49              |
| 50                  | 29.4    | 65.5    | 200.0   | 48.6    | 61.0    | 58.2    | 59.0    | 50              |
| 51                  | 29.4    | 79.3    | 36.4    | 18.2    | 73.2    | 19.3    | 34.5    | 51              |
| 52                  | 102.9   | 35.7    | 18.2    | 47.6    | 44.0    | 45.7    | 45.2    | 52              |
| 53                  | 29.4    | 56.1    |         | 37.4    | 52.8    | 35.1    | 40.1    | 53              |
| 54                  | 14.7    | 18.2    |         | 17.5    | 17.8    | 16.4    | 16.8    | 54              |
| 55                  | 102.9   |         | 18.2    | 28.6    | 12.7    | 28.0    | 23.6    | 55              |
| 56                  | 29.4    | 47.8    |         | 8.8     | 45.6    | 8.2     | 18.8    | 56              |
| 57                  | 14.7    | 16.5    |         | 18.4    | 16.3    | 17.2    | 16.9    | 57              |
| 58                  | 14.7    | 24.7    | 36.4    | 9.2     | 23.5    | 10.9    | 14.5    | 58              |
| 59                  |         |         | 18.2    | 2.8     |         | 3.8     | 2.7     | 59              |
| 60                  | 58.8    | 7.3     |         | 6.1     | 13.6    | 5.7     | 7.9     | 60              |
| 61                  |         | 7.3     | 18.2    | 3.1     | 6.4     | 4.0     | 4.7     | 61              |
| 62                  | 14.7    |         |         | 8.9     | 1.8     | 8.4     | 6.5     | 62              |
| 63                  | 14.7    |         |         |         | 1.8     |         | 0.5     | 63              |
| 64                  |         |         |         |         |         |         |         | 64              |
| 65                  |         | 3.6     |         |         | 3.2     |         | 0.9     | 65              |
| 66                  |         |         |         | 2.8     |         | 2.7     | 1.9     | 66              |
| 67                  |         |         |         | 2.8     |         | 2.7     | 1.9     | 67              |
| TOTAL               | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |                 |
| No. SAMPLES         | 1       | 3       | 1       | 3       | 4       | 4       | 8       |                 |
| SAMPLING WEIGHT(kg) | 97      | 375     | 61      | 363     | 472     | 424     | 896     |                 |
| No. F.MEASURED      | 68      | 247     | 55      | 334     | 315     | 389     | 704     |                 |
| MEAN LENGTH(cm)     | 49.0    | 46.8    | 45.9    | 45.2    | 47.1    | 45.3    | 45.8    |                 |
| MEAN WEIGHT (g)     | 1023    | 886     | 840     | 807     | 903     | 809     | 836     |                 |
| DEPTH RANGE (m)     | 393/394 | 254/426 | 335/415 | 251/431 | 254/426 | 251/431 | 251/431 |                 |

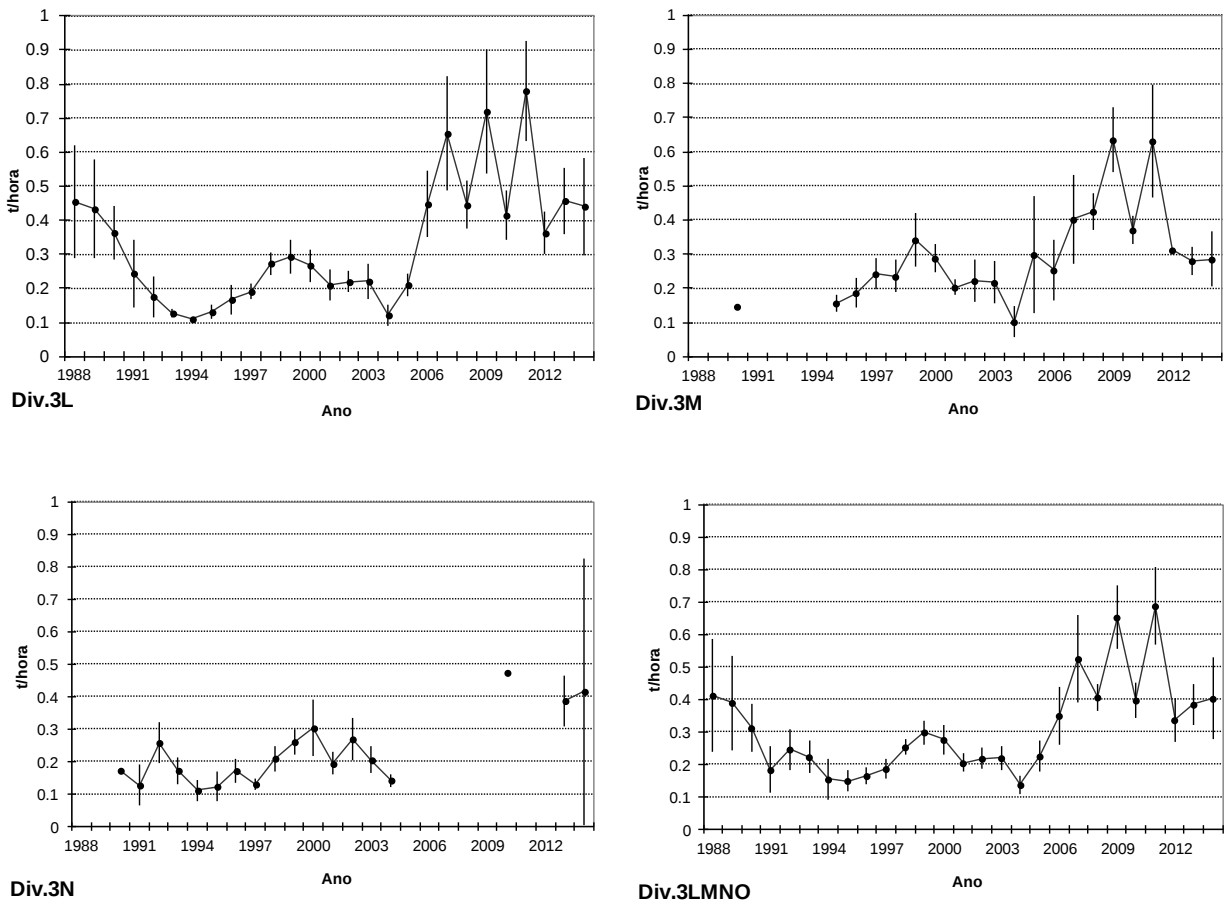
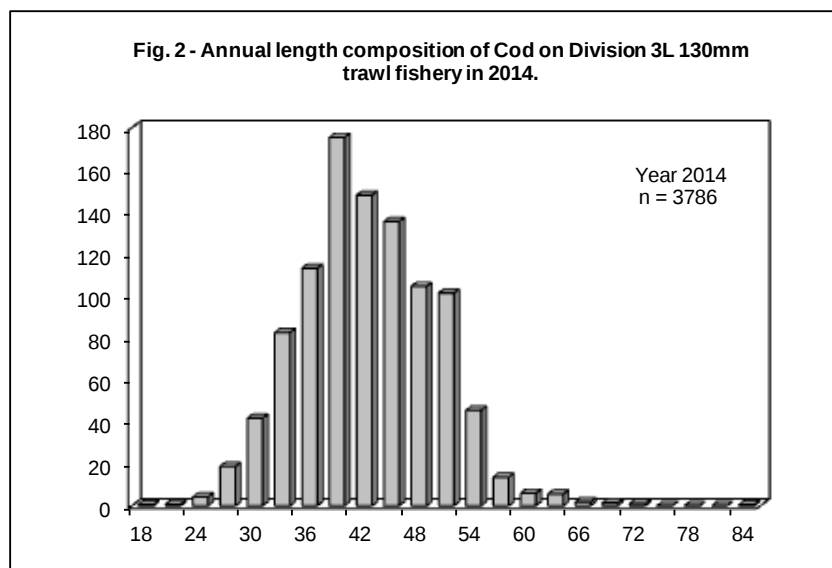
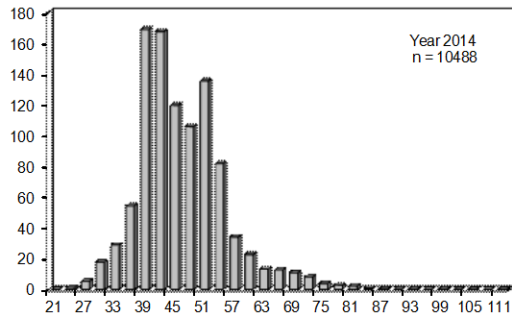


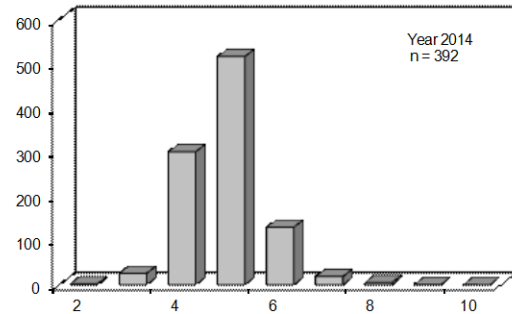
Fig. 1: Greenland halibut trawl catch rates by division, 1988 - 2014.



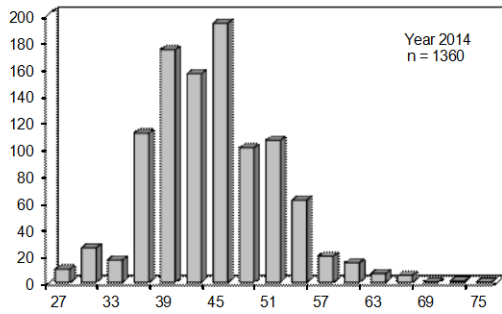
**Fig. 3a - Annual length composition of Cod on Division 3M 130mm trawl fishery in 2014.**



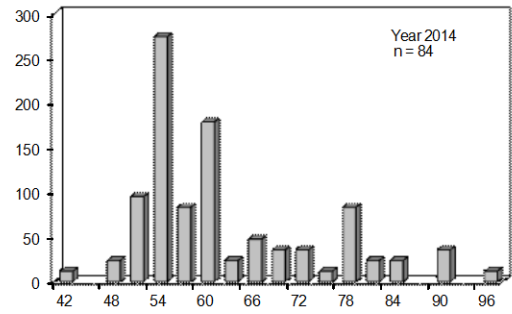
**Fig. 3b - Annual age composition of Cod on Division 3M 130mm trawl fishery in 2014.**



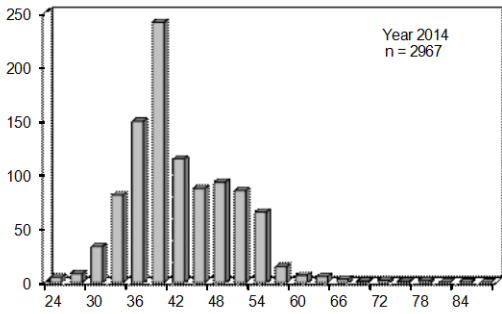
**Fig. 4a - Annual length composition of Cod on Division 3N 130mm trawl fishery in 2014.**



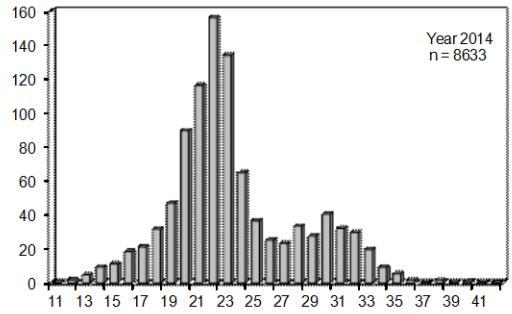
**Fig. 4b - Annual length composition of Cod on Division 3N 200mm trawl fishery in 2014.**



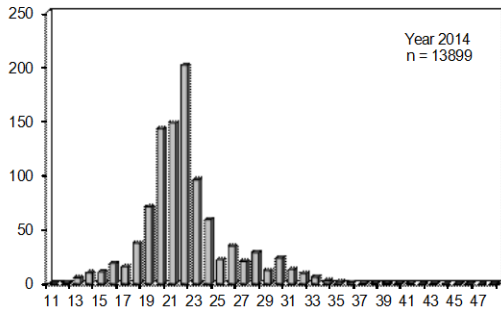
**Fig. 5 - Annual length composition of Cod on Division 3O 130mm trawl fishery in 2014.**



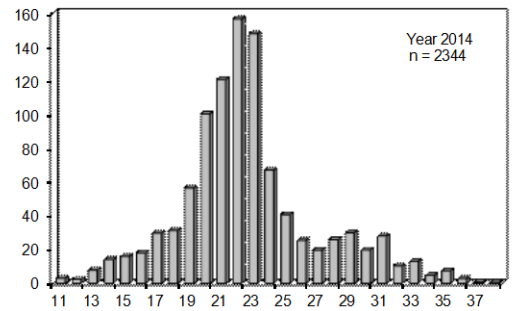
**Fig. 6 - Annual length composition of Redfish (*S. mentella*) on Division 3L 130mm trawl fishery in 2014.**



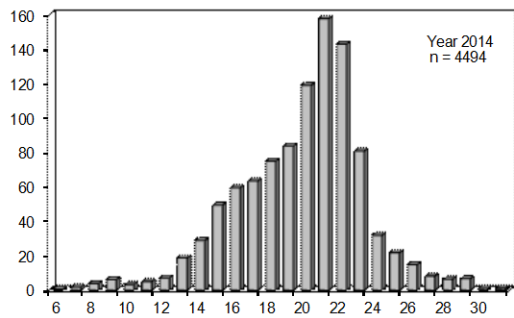
**Fig. 7 - Annual length composition of Redfish (*S. mentella*) on Division 3M 130mm trawl fishery in 2012.**



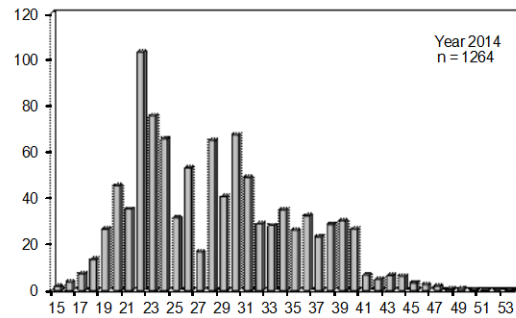
**Fig. 8 - Annual length composition of Redfish (*S. mentella*) on Division 3N 130mm trawl fishery in 2014.**



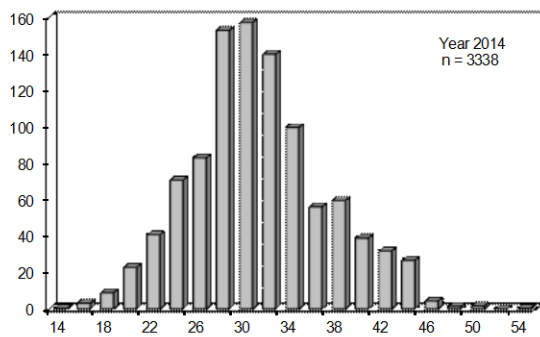
**Fig. 9 - Annual length composition of Redfish (*S. mentella*) on Division 3O 130mm trawl fishery in 2014.**



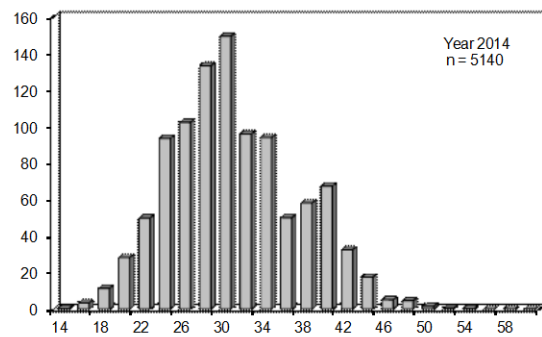
**Fig. 10 - Annual length composition of Redfish (*S. marinus*) on Division 3M 130mm trawl fishery in 2014.**



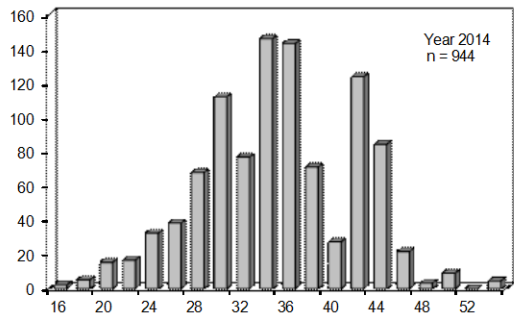
**Fig. 11 - Annual length composition of American plaice on Division 3L 130mm trawl fishery in 2014.**



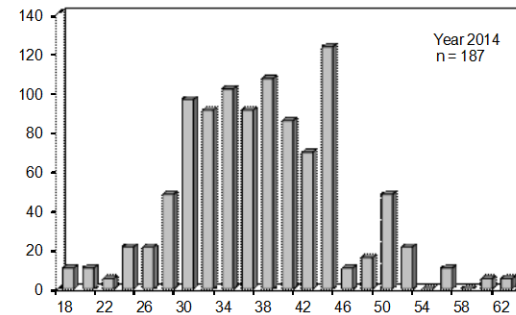
**Fig. 12 - Annual length composition of American plaice on Division 3M 130mm trawl fishery in 2014.**



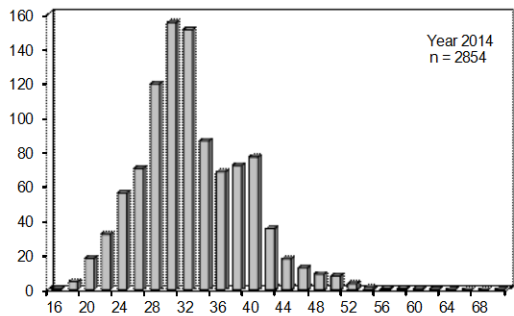
**Fig. 13a - Annual length composition of American plaice on Division 3N 130mm trawl fishery in 2014.**



**Fig. 13b - Annual length composition of American plaice on Division 3N 200mm trawl fishery in 2014.**



**Fig. 14 - Annual length composition of American plaice on Division 3O 130mm trawl fishery in 2014.**



**Fig. 15 - Annual length composition of Greenland halibut on Division 3L 130mm trawl fishery in 2014.**

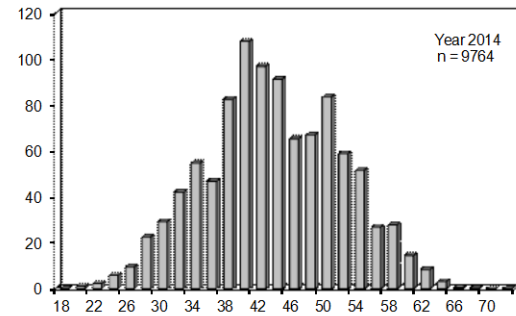


Fig. 16 - Annual length composition of Greenland halibut on Division 3M 130mm trawl fishery in 2014.

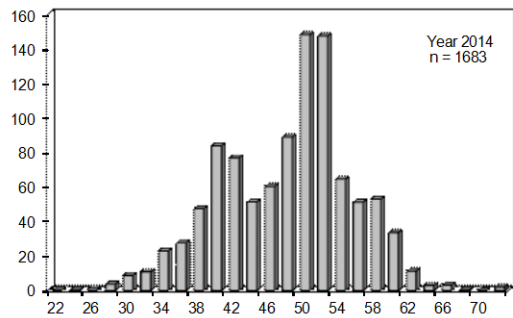


Fig. 17 - Annual length composition of Greenland halibut on Division 3N 130mm trawl fishery in 2014.

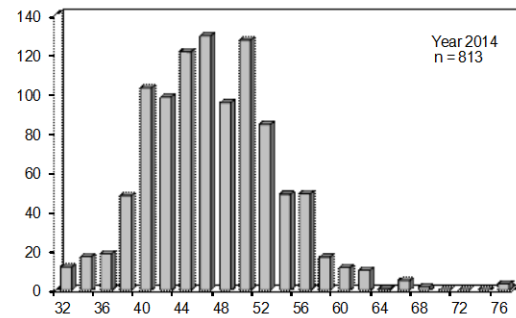


Fig. 18 - Annual length composition of Witch flounder on Division 3M 130mm trawl fishery in 2014.

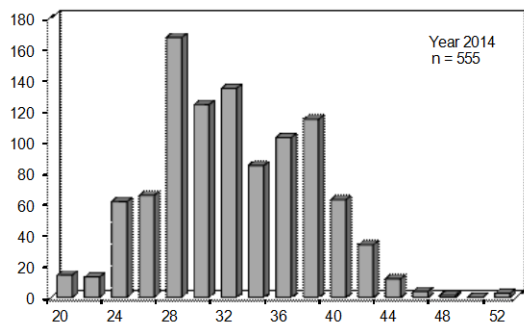


Fig. 19 - Annual length composition of Witch flounder on Division 3N 130mm trawl fishery in 2014.

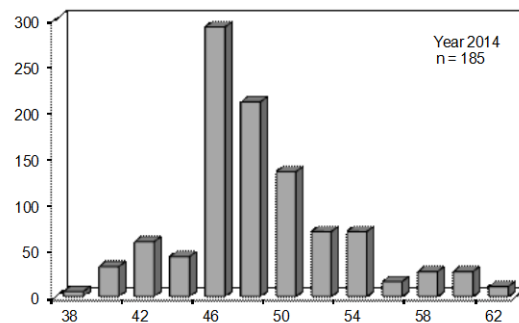


Fig. 20 - Annual length composition of Witch flounder on Division 3O 130mm trawl fishery in 2014.

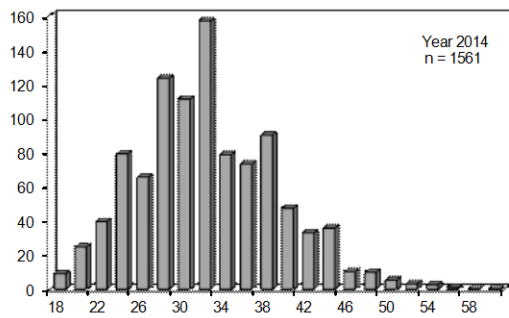


Fig. 21 - Annual length composition of Roughhead grenadier on Division 3L 130mm trawl fishery in 2014.

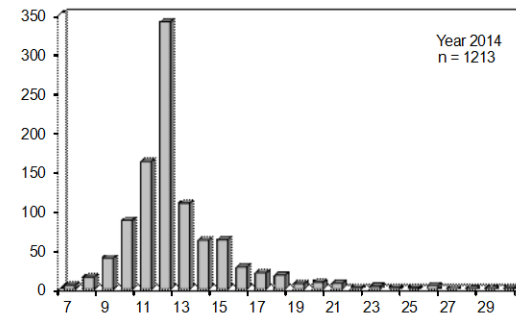


Fig. 22 - Annual length composition of Roughhead grenadier on Division 3M 130mm trawl fishery in 2014.

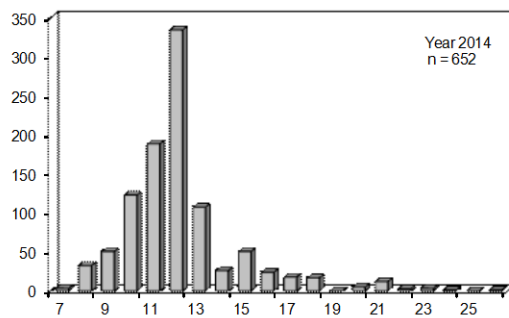


Fig. 23 - Annual length composition of White hake on Division 3O 130mm trawl fishery in 2014.

