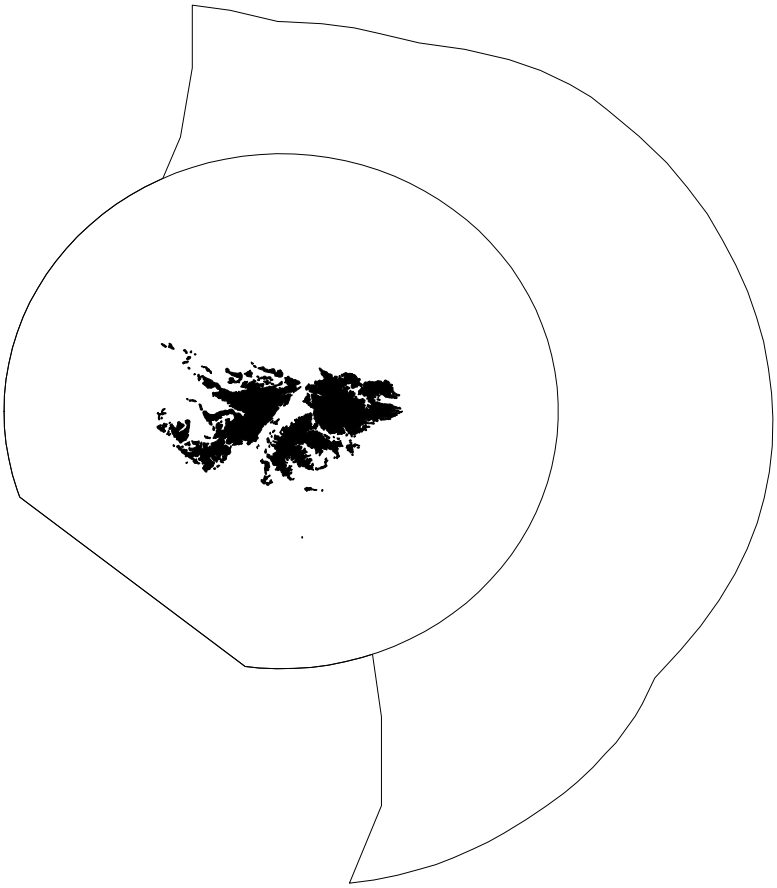
# FALKLAND ISLANDS GOVERNMENT
# FISHERIES DEPARTMENT



# FISHERY STATISTICS

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# Contents


# FOREWORD

## 1. The Falkland Islands' Fishery - 2014

This year was marked as one of the most successful years in the history of the Falkland Islands fishery with several record catches registered. The total annual catch of all species in Falkland waters reached a record of 454,613 t. Fished by 151 licensed vessels in 2014; this impressive total catch is >25,000 t more than the total catch fished in the bumper year of 1989 by 278 vessels. The bulk of this catch was *Illex argentinus* squid with the total catch attaining a record of 306,146 t. This was about 40,000 t more than in the previous prolific *Illex* year of 1999. On an even more positive note for the 2014 fishery, the total catch of hakes (14,860 t) was just slightly less than in the record year of 1989 (16,480 t). Stocks of other important resources such as squid *Doryteuthis gahi* and rock cod were stable with total catches attaining 48,702 t and 56,588 t respectively. Heavily depleted stocks of southern blue whiting have started to rebuild thanks to the ongoing fishing ban in the spawning grounds.

### 1.1. *Illex argentinus* – Illex squid

Over the last 25 years, the fishery has been the major contributor to the economy of the Falkland Islands. It is unique in the world as squid represent about 80% of the total fishery catch. The most abundant squid, *Illex*, has an annual life cycle, with a new generation recruiting into the fishery every year. Recruitment abundance is a result of many ecological factors such as water temperatures, food availability and currents, with the abundance of parental stock having relatively minor effect. This is why planning and exploitation of squid stocks is a challenging task not only for fisheries managers but for the fishing companies as well. After the last period of low abundance observed in 2009-2011, the South Patagonian Stock of *Illex* (SPS) fully recovered in 2014, with high abundance observed in 2013 making its contribution to high recruitment numbers in 2014.

The Falkland Islands largely missed summer for the second year in a row. Frequently overcast skies and uncommon south easterly winds decreased sun radiation in December 2013 – February 2014. Sea surface waters around the Falkland Islands were heated to a mere 8-9ºC, approximately three degrees below the norm for this time of the year. It is known that cold waters could deter *Illex* squid migrations to Falkland waters as seen in the poor year of 2002.

However, good news about high abundance of *Illex* squid was received in January-February from the high seas region of 45-47ºS located outside 200 nautical mile fishery conservation zones. More than 150 jiggers and trawlers fished there. The spread of temperature gradients outside the Argentinean EEZ at 45-47 ºS favoured migration of both autumn spawning and winter-spawning squid into international waters. Catches by jiggers were low but stable (~8-10 t per night), with two peaks observed between 8 and 12 February (11-13 t per night) and 21 and 25 February (15-20 t). Up to 12 trawlers reported their catches to the Fisheries Department. Their number decreased to 8-9 vessels between 15$^{th}$ and 20$^{th}$ February, and only 2-3 vessels reported their catch until the end of the month. Daily CPUEs of

trawlers were quite high, with the mean monthly CPUEs in February attaining 15 t per day. In trawl catches, a majority of squid belonged to the South Patagonian winter spawning stock that should move to their habitual feeding grounds around the Falkland Islands in March.

The question however remained whether these abundant aggregations of squid would move further south to Falkland waters. Fortunately, water cooling affected only near-surface layers, with deeper waters on the shelf having normal temperatures. This year, the inflow of relatively warm shelf waters formed late, in the beginning of March. Squid of the South Patagonian Stock migrated from the high seas in that inflow, and concentrated along its eastern edge. In the beginning of March, most licensed jiggers worked on the high seas and had good catches there (mean CPUE of 12-16 t per night). At the same time, 10 to 15 jiggers worked in the eastern boundary of the warm water inflow in FICZ/FOCZ and had variable catches (8 to 20 t per night). By the end of the first week of March, some 90 vessels relocated to FICZ/FOCZ and started to work within the boundaries of the inflow. CPUEs improved to 18-20 t per night, and during the second week almost the whole fleet (102 vessels) were fishing there. Squid belonging to the early migrating South Patagonian Stock (ESPS) kept migrating south from the high seas to the inflow, and concentrated along its eastern edge. Correspondingly, CPUEs gradually increased to 40-55 t per night, with maximum catches attaining 165 t per night. Up to the end of the month, 5 to 17 licensed jiggers also worked on the high seas, having good catches (20-30 t per night). From 27 March, the whole licensed jigging fleet worked within FICZ/FOCZ.

In March, one to two trawlers reported *Illex* catches from the high seas with the average CPUE of 19 t per day reflecting the high abundance of the winter spawning stock in 2014. In FICZ/FOCZ, trawlers targeted *Illex* in two areas. Some of them (3-4 vessels) preferred to catch squid among the jigging fleet in the north of FICZ/FOCZ. Together with a single B-licensed trawler, they reported excellent CPUEs during the last ten days of the month, averaging 25-30 t per day. Another group targeted hoki and hakes in the south-western part of FICZ. In the last week of March, squid of the late winter spawning stock started to migrate into that area from the Argentinean EEZ, and CPUEs increased up to 20-25 t per day, with several vessels reporting up to 35 t per day. These catches indicated high abundance of late migrating SPS in 2014. A total of 66,611 t of *Illex* was taken in Falkland waters in March, which is the record high catch for this month in the last decade.

In the first three weeks of April, the whole jigging fleet fished for *Illex* in the boundaries of the inflow, having constantly high catches and CPUEs (50-60 t per vessel per night). In this region, ESPS squid was exploited. Simultaneously, most trawlers fished in the western part of FICZ, exploiting immigrating schools of late maturing SPS from the Argentinean EEZ. CPUEs of trawlers averaged 18.9 t per vessel per day. During the last 10 days of April, about half the jiggers also moved to the western area to fish for LSPS, and had mean daily CPUEs up to 70 t (maximum catch of 173 t per night). On 22$^{nd}$ April, the total daily catch of *Illex* by all vessels fishing inside FICZ/FOCZ recorded the highest value since the beginning of the regulated fishery in the 1987. A total of 6,701 t of squid was taken: enough to fill up a whole reefer in just one day. The total catch in April (137,597 t) was the best ever monthly catch of this squid taken in Falkland waters, due to high abundance of both groups of SPS squid, and the number of jigging vessels fishing (105). Mean CPUEs attained an impressive 51 t per vessel per night, values similar to April 2008 (when however a much smaller fleet worked in Falkland Zones).

During the first two weeks in May, 74 to 91 jigging vessels reported to be fishing, with the rest being transhipping their catch to reefers. The fishery performance was stable throughout the whole month, with average monthly CPUE of 53.7 t per night fishing (maximum catch of 144.5 t per night). The abundance of squid was so high, that vessels quite often fished for only part of the night, or with only half of their fishing arms. The majority of the jigging fleet targeted the late maturing SPS squid that migrated from the Argentinean EEZ through the western part of FICZ. Some vessels fished for early maturing SPS squid in the northern part of FICZ/FOCZ, having also excellent catches

there. The total monthly catch reached 87,825 t (85,421 t by jiggers and 2,404 t by trawlers) which was the record highest monthly catch in May since 1988. In the middle of the month, all Taiwanese vessels finished their licensed fishing period and departed from FICZ. Only 30 Korean jiggers remained in the fishery as they were licensed to fish until the middle of June. Due to cold water conditions and high densities of the late SPS squid, their sizes were 1-2 cm smaller than usual.

In June, only the Korean jigging fleet (30 vessels) was licensed to fish for *Illex*. Compared to the previous month, CPUEs decreased to 39 t per night (maximum CPUE of 110 t per night), and were relatively stable during the first week of June. The jigging fleet fished mainly in the western part of FICZ. In the second week, the fleet relocated to the northern part of FICZ/FOCZ, having stable catches of about 33 t per night (maximum CPUE of 109 t per night).

The fishery closed as planned on 15 June 2014. The total catch of *Illex* in 2014 season hit the absolute record ever encountered in Falkland waters, attaining 306,146 t.

### 1.2. *Doryteuthis* (formerly *Loligo*) *gahi* – Falkland calamari

The other commercial squid that is fished in Falkland waters is *Doryteuthis gahi* (formerly *Loligo*) that has started to be referred as 'Falkland calamari'. Annual catches of this squid are much less variable than those of *Illex* due to their constant residence in Falkland waters and corresponding fisheries management under the exclusive jurisdiction of the Falkland Islands.

The abundance of *D. gahi* was estimated during a survey carried out onboard a commercial trawler Venturer in the *Loligo* Box from 9th to 23rd February. The survey caught 123.5 t of *D. gahi* in 60 scientific trawls, giving a geostatistical estimate of 34,673 t on the fishing grounds. This was the highest pre-season biomass estimate for the first season since 2010.

The first fishing season started on 24th February with 15 C-licensed trawlers working both in the northern and southern parts of the *Loligo* Box. The last licensed trawler joined the fishery on 26th February. This season marked a scheduling change as the fishery was extended one week longer into April than previously, to be offset by starting the second season one week later. The change was implemented to equalize effort on the two annual *D. gahi* cohorts and improve yield in the fishery without adversely affecting the sustainability of the *D. gahi* populations. The CPUEs were high, averaging 24-30 t per day (maximum 53.6 t per day). Vessels had exceptionally good catches in the northern part of the Box in one shallow water grid square of XNAN, where migrations of quite small (8-9 cm ML) and immature squid took place from their nearshore nursery grounds to offshore feeding grounds. The presence of unusually large numbers of jellyfish in the water made it more difficult to target *D. gahi* aggregations as the trawlers had to make shorter hauls to avoid trawl damage by excessive weight of catch due to jellyfish.

Colder than usual water temperatures around the Falkland Islands also affected migrations of *D. gahi* to their feeding grounds in the first half of March. The fleet continued to fish for squid that emigrated from their nursery grounds in two regions, mainly in the northern area (grid square XNAN) and southern area to the east of Beauchene Island. Daily CPUEs varied from 15 t during the first week of the month to 10 t during the second week, and then increased again to 15 t during the third week of the month. A real breakthrough in catches happened on 21st March, when several vessels targeted very dense concentrations of Falkland calamari that migrate to their feeding grounds in the northern part of the *Loligo* Box (XNAN). Probably, high abundance of squid together with specific environmental conditions (southwesterly winds and strong Falkland Current) resulted in dense aggregations of *D. gahi* in a relatively small area. During the next five days, the whole fleet fished the squid up to their freezing capacity with average CPUEs ranging between 65 and 68 t per day (maximum 97.6 t per day). On the 23rd March, the total daily catch of the fleet hit the record of 1,102 t of squid per day. As expected, these aggregations were fished out and dispersed quite

quickly, and by 28-29th March the vessels returned back to their 'normal' CPUEs of 30-35 t and fished both in the northern and southern parts of the Box.

A total of 12,318 t of *D. gahi* were taken in April, slightly less than in March. The abundance of the autumn-spawning cohort of *D. gahi* was high in both southern and northern parts of the *Loligo* Box. In the beginning of the month, trawlers still fished the same concentrations of Falkland calamari in XNAN and XNAP in the northern part of the Box, but catches noticeably decreased to 15-20 t per day. On 3rd April, trawlers relocated to the south of the Box, and encountered dense aggregations of squid there. The whole fleet worked there until 11 April, having stable CPUEs (mean 38 t per day). On 12th April, most of the vessels relocated to deeper part of the northern *Loligo* Box, and fished in that region until the end of the season (21 April). Again, catches were almost as high as in March, averaging 42 t per vessel per day. One vessel worked until 23 April due to their later start. Total catch of *D. gahi* for the first season reached 28,317 t, making it the third highest *D. gahi* catch after 2010 and 2012. The one-week schedule extension yielded squid catches better than the average of the rest of the season. The risk of *D. gahi* escapement biomass at the end of the season being less than the 10,000 t conservation threshold was estimated as effectively zero.

A pre-season biomass survey for the 2nd Falkland calamari season was conducted from 7th to 21st July on-board the F/V *Golden Chicha*. The survey caught 207.5 t of *D. gahi* in 58 scientific trawls, giving a geo-statistical estimate of 40,090 t in the fishing grounds. This represented the third highest second-season survey estimate since 2006. Falkland calamari catches in this survey included an uncommonly high proportion of large, older individuals; especially mature males.

The fishing season was open for its scheduled duration from July 22nd to September 30th, starting one week later than previous years to offset the one week extension of the first season. The commercial fleet (16 vessels) started fishing mainly in the southern part of the *Loligo* box. The catches were quite stable at 29 t per day, with maximum catches up to 60 t per day. Some vessels fished in the north, and had also good catches of larger squid. In the last two days of the month, catches dropped to 19 t due to bad weather and redistribution of squid stock. The total catch of *D. gahi* in July attained 4,800 t, which was at intermediate level (in terms of CPUE) for July in the last decade.

Steady, but generally low catches continued throughout August (which included one bad-weather day in mid August). Estimates from the depletion model decreased. However, because catches were never very high to begin with during the second season (only two days > 500 t overall) the decline was not steep. Catches in the northern part of the Box (4,024 t) were lower than the southern part of the Box (5,545 t). Only one in-season immigration was inferred to have entered the north and south sub-areas of the fishing zone, on August 16th and 14th respectively. Falkland calamari catch for August totaled 9,642 t.

Sixteen trawlers fished until 9th September, when the license allocation of one vessel (*Petrel*) expired and she left the fishery. Overall, catches were quite low both in the northern and southern parts of the Loligo Box. During the first week of September, mean CPUEs ranged between 13 and 17.4 t per day (maximum 28 t per day). They gradually decreased to 9-10 t per day during the second week. Another pulse of recruitment appeared in the southern part of the Box on 15-16 September, when mean CPUEs increasing to 14-18 t per day (maximum 53 t per day). This peak in abundance was gradually depleted by the fleet by the end of the month, with mean CPUEs varying between 8.5 and 13 t per day. The total catch for the 2nd season attained 19,630 t that was taken in 1,099 vessel-days, of which 8,701 t were caught in the North and 10,929 t in the South. Total escapement biomass was calculated at 17,250 t. The risk of season-end biomass having fallen below the 10,000 t conservation threshold was zero.

The total catch for the whole year attained 48,702 t, making it the 5th highest annual catch in the last decade.

### 1.3. *Martialia hyadesi* – Martialia squid

As in many previous years, no catch of *Martialia* squid was reported within the FICZ/FOCZ.

### 1.4. *Micromesistius a. australis* – Southern blue whiting

Southern blue whiting used to be the largest finfish fishery in the Falkland Islands. However, possible over-exploitation of the stock both in the Falkland and Argentinean waters led to its depletion. To rebuild it, a fishing ban was set up in the Falkland spawning grounds and the TAC was reduced from 18,000 to 2,000 t in S-licensed pelagic fishery.

In 2014, total catches of southern blue whiting in FICZ/FOCZ under all licenses attained 3,611 t. It was the third lowest annual catch of this species observed since 1987. The highest catch of southern blue whiting was observed in 1990 (72,300 t) and then gradually decreased until reaching the minimum in 2012. Since 2010, annual catches were constantly below 6,500 t. In 2014, two periods of sustained catches were observed, one in September during the second *D. gahi* season and another one in November, when a surimi vessel spent 16 fishing days in the Falkland waters. The surimi trawler fished between 9$^{th}$ and 25$^{th}$ November taking 1,155 t of southern blue whiting. Three areas were exploited. First, they fished south of East Falkland in grid squares XVAK, XVAL, XVAM and XUAM where they spent 8 days and had good catches (between 52 and 185 t per day during the first 7 days). However, the sizes of fish were small and unsatisfactory, which forced the vessel to move to the northeastern shelf. They fished there for 4 days and took between 28 and 88 t per day. The fish was larger but the schools were not dense. Before the vessel departure, a meeting was organized between the scientists of the Fishery Department and fishing masters of the surimi vessel. It was concluded that the southern blue whiting stock has not recovered yet and the schools were quite dispersed making the commercial fishing less profitable. It may take a few more years to rebuild the southern blue whiting stock to full commercial exploitation.

The largest proportion of southern blue whiting catch was taken as bycatch during the Falkland calamari trawl fishery in the south-western part of the *Loligo* Box. A total of 1,677 t of southern blue whiting was caught, mainly in September during migrations of mature fish through the *Loligo* Box.

### 1.5. *Macruronus magellanicus* - hoki

Hoki is one of the most important pelagic fish species on the Patagonian shelf. It is a straddling stock, migrating between Chilean, Argentinean and Falkland waters. Compared to Chile and Argentina, catches in the FICZ/FOCZ are low. Since 1987, catches have varied between 4,500 t (1991) and 26,977 t (2002) with an average of 16,600 t. In 2014, a total of 7,390 t of hoki were caught by the trawlers within the FICZ/FOCZ. It was the second lowest annual catch of hoki recorded since 1989, and it was only about a half of the average annual catch observed during the last decade. The largest hoki catch was taken by G-licensed trawlers (4,089 t), followed by W-licensed trawlers (2,299 t).

Highest catches by G-licensed trawlers were taken in March (1,450 t), April (2,198 t) and May (441 t). This fleet worked mainly in the western part of FICZ between 51.5 and 53°S and 62 and 64°W. However, CPUEs were the lowest observed in the last 5 years, ranging from 758 to 798 kg/hr in March and April respectively and then decreased to 138 kg/hr in May.

For the fleet working under W licenses, the highest catches were observed in February and September (660 t and 692 t, respectively). Highest CPUE were observed in February and April (935 and 1653 kg/hr, respectively). In May, June and September, CPUEs varied between 135 and 301 kg/hr and were less than 10kg/hr in other months.

Declining abundance of hoki in Falkland waters may be a result of significant biomass decrease of this species observed in Chile and Argentina, and requires closer monitoring of stocks.

### 1.6. *Merluccius hubbsi, Merluccius australis* – Hakes

Two species of hakes occur in FICZ/FOCZ, *Merluccius hubbsi* and *Merluccius australis*. The most abundant, *M. hubbsi* is a straddling stock migrating between Argentinean waters where it spawns in summer and Falkland waters where it feeds between March and October. Its abundance increased from 2006 when the abundance of rock cod (one of its main prey items) increased. *M. hubbsi* is generally abundant to the northwest of the Falkland Islands. Recently, this fish became one of the major finfish stocks within FICZ/FOCZ. Relatively rare *M. australis* is the second species of hake inhabiting the Falkland waters. However, this species is quite abundant in Chilean waters with the FICZ/ FOCZ being the periphery of its range. *M. hubbsi* is a high value finfish resource in Falkland waters and fishers are allowed to target it under A license. Under other licenses, they are not allowed to catch more than 10% of *M. hubbsi*.

In 2014, a total of 14,861 t of *M. hubbsi* were caught in Falkland waters. It is the highest annual catch recorded since 1990. Catches of *M. hubbsi* started in February as no trawling activity was reported in January. For both A- and W- licensed trawlers, monthly catches and CPUEs were first low (2 and 28 t; 14 and 40 kg/h respectively) and then increased to reach 1,547 and 228 t (1,863 and 276 kg/h) in May as *M. hubbsi* finished its migration to the FICZ/ FOCZ. Catches and CPUEs then remained stable until September as *M. hubbsi* was feeding in the FICZ/FOCZ. In this period, A-license monthly catches ranged from 1,237 to 1,783 t (mean=1557 t) with CPUEs decreasing from 1,863 kg/ h in May to 1,144 kg/h in September. In the mean time, W-license monthly catches were also stable from June to September around 819 t with CPUEs being on average 304 kg/h. When *M. hubbsi* started its migration to the spawning areas in Argentinean waters in October, monthly catches dropped from 421 and 418 t for A and W licenses respectively to 0.2 and 2.3 t in December. At the same time, CPUEs dropped from 251 and 110 kg/h to 1 and 12 kg/h. In December, trawling activity in Falkland waters was low with most trawlers leaving the FICZ/FOCZ.

### 1.7. *Genypterus blacodes* – kingclip

Kingclip are commercially valuable by-catch in the Falklands trawl fishery, with catches increasing in recent years. Migrating into Falkland waters from the northern and western Patagonian shelf in winter, kingclip feed within the western and southern FICZ before returning to spawning grounds in shallower waters (150 m depth) outside the Falklands in late summer.

The total catch of kingclip for 2014 reached 2,875 t, which is a decrease from 2013 and a 5 year low in annual catch. Catch of kingclip as a proportion of total trawler catch also declined to 1.8%, which is a 10 year low. The fishing effort in Falkland Islands finfish fisheries changed dramatically in 2014, when trawlers were targeting hakes and rock cod in the northern regions of the FICZ for a large part of the year; this may account for low kingclip catches.

In 2014, average daily CPUEs were highest in Oct-Dec (mean: 172 kg/hr) which may be seasonally late for peak abundance. Lowest average daily CPUEs were in Jan-Mar (mean: 114 kg/hr). These trends differ from 2013, where highest CPUEs were found July-Sept (mean: 202 kg/hr), and lowest CPUEs were in Oct-Dec (mean: 79 kg/hr). It is unclear if this is due to changes in fishing pressure or environmental factors.

Annual length-frequency distributions show that the modal size classes for 2014 was 65 cm fish with high proportions of small and large fish. In comparison, modal size in 2013 was 60 cm, and proportionally fewer large and small fish. This broadening of size range may correlate with reduced targeting of species or areas typically associated with kingclip by-catch, concerning a change in fleet behaviour in 2014.

### 1.8. *Salilota australis* – red cod

Red cod are distributed throughout the Patagonian Shelf, but form spawning aggregations in the western FICZ between September and October. It is mainly retained as a commercial by-catch species in the Falklands, al-

though it is a targeted species during pre- and post-spawning seasons.

The total catch of red cod in 2014 was 3,465 t, which is a decline from the 2013 catch of 5,157 t. Catch proportion of red cod also declined from 4.1% to 2.2%. However, these differences could be due to significant changes in trawl fleet behaviour in to 2014 compared to previous years. Average daily red cod CPUEs were typically high in Oct-Dec (mean: 232 kg/hr), when fishers target pre- and post-spawning aggregations in the western FICZ. High CPUE's were also found in Apr-Jun (mean: 274 kg/hr), prior to the trawl fleet moving to other parts of the FICZ targeting Loligo squid.

Three distinct size-class modes were observed in 2014; 14 cm, 22 cm, and 32 cm. Modal size class of sampled fish was 30 cm in 2013, with less-distinct smaller and larger cohorts also evident. Similar to kingclip, a broadening and a more complex size distribution in red cod may be another indicator of a change in fleet behaviour in 2014. In 2009, a temporal closure of spawning grounds in October was initiated, and this is continuing to have a positive effect on proportions of 1+ and 2+ fish recruiting into the fishery.

### 1.9. *Dissostichus eleginoides* – Patagonian toothfish

Toothfish is fished commercially around the Patagonian Shelf and Slope. Immature/sub-adult fish are caught on the shelf in the trawl fishery (down to approximately 300 m depth) where it is a non-target commercial by-catch species. Catch on the shelf is not included in the annual TAC. In 2014, catches of toothfish on the shelf were low (44.9 t) compared to the long term average, and less than half of that for 2013 (119.5 t). Although this is of some concern, toothfish catch on the shelf is highly variable and may be indicative of other factors such as changes in fleet behaviour, inconsistent reporting (because daily catches are often very small), or long-term inter-annual recruitment processes.

A single longline vessel (CFL *Gambler*) operates in Falkland waters, which fished for 204 days in 2014, alternating between the north and the south of the fishing zone on a roughly monthly basis. The *Global Pesca III* was chartered for 44 days of fishing in Sept-Oct while the *Gambler* was undergoing repair and transhipping. The total toothfish catch in the longline fishery for 2014 reached 1,252 t. Total longline catch of toothfish declined from its peak in 1994 (2,733 t) to 2005 (1,555 t), and since the introduction of a TAC of 1,500 t in 2006 total catch has varied between 1,406 t in 2007 and 942 t in 2010. Typical of this fishery, highest catches were found in the Falkland Trough and eastern Burdwood Bank regions, and north eastern FOCZ regions also showed high catches. In 2014, there were disproportionally high catches in the eastern Burdwood Bank region due to concentrated effort of the *Global Pesca III*, where the longliner spent most of its allocated effort. Mean daily CPUE in 2014 was 482.6 kg/1000 hooks compared to 502.3 kg/1000 hooks in 2013. The long-term (2006-2013) mean daily CPUEs is 486.7 kg/1000 hooks. Unlike catch, CPUEs were generally uniform throughout the fishing zone, with highest CPUEs in the north.

There were particularly high frequencies of small (22 cm) toothfish sampled by observers in 2014, indicating good recruitment to the immature/sub-adult shelf population. A uniform size-frequency distribution was seen in the slope (target) population, with a mode size-class of 98 cm, typical of recent years.

In March 2014, this fishery was awarded MSC certification. The stock is assessed annually via an age structured production model and analysis of biological trends. The TAC for 2014 was set at 1,200 t plus 15% carry over from the previous year. Stock assessment carried out in 2014 indicated a declining trend in key stock indicators. Given that these are below target reference points, and there has been no significant improvement since 2008 when TAC was last reduced, the TAC was lowered to 1,040 t for 2015. Increased conservation measures were also implemented; expanding the Burdwood Bank closed spawning area spatially, and increasing the closed period by 1 month. Response to tightening of harvest controls should be seen in the target population within six years.

## 1.10. Rajidae – Skates

In 2014, a total of 5,552 t of skate were caught in the FICZ/FOCZ. This represented the third consecutive annual decrease in total skate catch, and the lowest total skate catch since 2008. Approximately 53.2% of the 2014 total (2,953 t) was harvested as target catch (F licence), which was conversely the highest target catch percentage (and first >50%) since 2008.

The 2014 target catch was taken by four Korean vessels (2,110 t in 183 vessel-days; aggregate mean CPUE of 651 kg/hr) and four Spanish vessels (844 t in 76 vessel-days; aggregate mean CPUE of 891 kg/hr). Higher CPUE by Spanish vessels than Korean vessels was unusual. Notably, Spanish CPUE varied from 0 to 3330 kg/hr (coefficient of variation = 99%), while Korean CPUE varied much less from 91 to 1739 kg/hr (coefficient of variation = 38%). Of the total annual skate target catch 83.5% was taken in the three-month period from August through October.

Approximately 44% of the 2014 skate total catch (2,453 t) was taken as bycatch under finfish licences; as usual most of it north and west of the Falkland Islands. Of the 33 vessels that used finfish licenses in 2014, 6 accounted for more than half (55%) of the finfish-license skate bycatch. Lesser amounts of skate bycatch occurred in the *D. gahi* fishery (105 t), toothfish longline fishery (31 t), and under experimental licence (8 t).

In all commercial fisheries, a total of 1,375 skates were identified to 16 species by observers on twenty-two vessels. In skate-target trawls, six species represented at least 10% each of the sampled species composition by numbers: RAL *Bathyraja albomaculata* (13%), RBR *Bathyraja brachyurops* (13%), RFL *Zearaja chilensis* (13%), RDO *Amblyraja doellojuradoi* (12%), RMC *Bathyraja macloviana* (12%), and RSC *Bathyraja scaphiops* (10%). In finfish-target trawls, four species represented at least 10% each of the sampled species composition by numbers: RBR (18%), RFL (15%), RAL (14%), and RMC (12%). In *D. gahi* trawls, four species represented at least 10% each of the sampled species composition by numbers: RBR (28%), RAL (22%), RBZ *Bathyraja cousseauae* (19%), and RSC (10%). In longline sets, three species represented at least 10% each of the sampled species composition by numbers: RGE *Amblyraja georgiana* (41%), RME *Bathyraja meridionalis* (25%), and RPA *Bathyraja papilionifera* (20%).

### 1.11. *Patagonotothen ramsayi* – Rock cod

The annual catch of rock cod totalled 56,589 t, an increase of 24,000 t on the poor 2013 catch. Of this catch 89% was retained as product. Most catch (61.9% - 35,009 t) was taken by restricted (W) finfish licenses; restricted Finfish and *Illex* (G) licences took a significant percentage (13.6% - 7,689 t), whilst unrestricted finfish (A) licensed vessels took 9,723 t, and *D. gahi* fishing vessels caught only 2,615 t.

In the first quarter of 2014, total effort in the finfish fishery was vey low, and as a result only 3.2% (1,805 t) of the total catch was taken. During the second quarter 16,225 t were caught with 81% of the second quarter catch taken in the north-west. The best catches were in grid squares XJAD, XKAC, XKAD and XLAD. Catches increased to 22,173 t in the third quarter, with the best catches on the 200 m isobath in the north-east (48% of the 3rd quarter total) and the 200 m isobath on the FICZ/FOCZ boundary in the north-west (47.8%). Catch in the fourth quarter was 16,386 t, with 98 % caught in the north-west, with the best catches being west of 61°30'W, and north of 51°S (area enclosed by XMAB, XMAE and XHAE).

Mean rock cod catch was 10.2 t/day for all trawlers. For vessels targeting finfish on A and W licences the mean was 19.2 t/day. There was no trawling effort in January, and only 85 trawling days in the first quarter. During April there were 77 trawling days, although these were outside normal rock cod area. During May vessels began targeting rock cod, with CPUE attaining 14.9 t/day, 1,571 kg/hr trawling. CPUE rose in June and July to 26.1 t/ day, but

then dropped back to 18.4 and further down to 13.5 t/day in August and September. Since then CPUE rose again each month, to 21.9 t/day in October, 24.9 t/day in November, and peaking up to 34.3 t/day in December.

**1.12 Grenadiers (Macrouridae)**

There was neither a target fishery nor a research cruise for grenadiers in 2014. Total annual catch of grenadiers was 212 t taken as by-catch during longline and finfish fisheries.

**1.13. *Zygochlamys patagonica* - Patagonian scallop**

No directed scallop fishery in Falkland Island waters occurred in 2014. However, there is a continued interest in developing this fishery from local and overseas parties.

**1.14. *Eleginops maclovinus* - Falkland mullet**

Historically, there has been a minor commercial beach seine fishery for Falkland mullet that supplies the domestic market, with fishing occurring only over summer months (Dec- Feb). Operations have reduced with modest supply to domestic market outlets.

**1.15. Snow crab (*Paralomis granulosa*)**

The snow crab fishery supplies local supermarkets and restaurants, where there is continued demand for the product. An experimental licence was issued in January 2014 to a single operator to catch snow crab in pots. 1.2 tonnes of snow crab (>= 70 mm carapace width) were caught in the Eagle Passage / Speedwell Island area. An observer was assigned to this fishery in May 2014. A very low incidence of by-catch (0.1%) was reported in this fishery. Catch was dominated by females, however they were almost entirely discarded live; being up to 65.4 % by weight of total catch. Retained individuals were almost entirely male. A review of the fishery and the biology of snow crab is currently underway.

## 1.16. Others

Butterfish (*Stromateus brasiliensis*), redfish (*Sebastes oculatus*), lobster krill (*Munida* spp.) and various other squid and fish are included into this category. The total annual catch of each species is shown in table O.7.

# Fisheries Department research cruises in 2014

In 2014, two research cruises were conducted by the Fisheries Department.

## 2.1. Fisheries Department Research Cruise ZDLT1-05-2014

The research cruise ZDLT1-05-2014 was carried out on board the RV *Castelo* between 3 and 17 May 2014. The main target species of the cruise was the squid *Illex argentinus*, the most important squid fishery resource in the Southwest Atlantic. This squid migrates to the southern part of the Patagonian Shelf in February – March. After 2-3 months of the feeding period, squid start their northward pre-spawning migrations, moving first to the shelf edge, descending to the slope and then migrating along the slope with waters of the Falkland Current.

In June 2007, the first research survey on the RV *Dorada* revealed that the pre-spawning schools of the late maturing stock migrated from the shelf into deeper waters in a region a strong upwelling area in the northern part of

the continental slope and shelf. It was caused by a quasi-stationary meander of the Falkland Current that spread onto the shelf in this area. Presumably, pre-spawning *I. argentinus* used this oceanographic feature as a cue for migrating to deeper waters of the Patagonian Slope. In May 2014, it was decided to carry out another survey of the northern part of FICZ/FOCZ to further investigate the ecological cues for shelf-slope migrations of the early and late maturing stock that take place usually in May. The main objectives of the cruise were: a) to make a trawl survey of the area of possible migrations of the *Illex* early maturing stock from the shelf to the continental slope using semi-pelagic net; b) to study the ecology of deepwater demersal and bathypelagic fish community and its interactions with pre-spawning migrating schools of *Illex*; and c) to carry out an oceanographic survey of the northern part of the Falkland Islands shelf.

The vessel departed from Stanley on 3 May and proceeded overnight to the first station located at 200 m depths in the north-eastern part of the Patagonian Shelf (XLAP grid square). During the next five days, the vessel moved north along the 200-m isobath and every 20 nautical miles made both trawl (during the daytime) and oceanographic stations (throughout the day). On 8 May, the northernmost station of the survey was carried out at 46º30'S on the shelf of high seas, and the vessel started to move south doing three zigzag transects along the slope (300, 400 and 600 m). Over the next nine days, the main part of the survey was completed, with the last trawl and oceanographic stations located at 50ºS. The cruise was successfully finished on 17 May. Despite several days of rough weather with strong winds (30-50 knots) and high seas, the vessel managed to fish with no days lost because of bad weather.

Semi-pelagic trawling was conducted at 45 stations. Seabed trawling times during the survey was a mixture of either 60 (18 stations) or 120 minutes (27 stations). During the cruise a total of 41,494 kg was caught comprising 100 species or taxa. The largest catches by weight were the shortfin squid (*Illex argentinus*) and Medusae (most likely *Chrysaora* sp.) totalling 76.1% of the catch.

The survey results showed that the outflows of less dense shelf waters over the slope may act as proxies determining the locations of *I. argentinus* off shelf migrations. The trend in decrease of abundance with water density at 50 m depth indicated that squid aggregated in the confluence regions between Shelf waters and Sub-Antarctic Surface Waters (SASW) of the Falkland Current. It was found that during maturation *I. argentinus* did not significantly change their buoyancy with females becoming slightly more buoyant with depth. Subsequent movement of migrating schools of mature *I. argentinus* to denser SASW at deeper depths (600-700 m) enable them to approach near neutral buoyancy. Lower (3-4ºC) ambient temperatures and denser waters near the bottom of the continental slope at 600-800 m depths contribute to reduction of resting metabolic costs of moving squid and therefore save more energy to facilitate the distant pre-spawning migrations.

## 2.2. Fisheries Department Research Cruise ZDLT1-10-2014

This research cruise was carried out on board the RV *Castelo* between 19 October and 7 November 2014. A demersal survey was carried out on the shelf from the south-western to the north-eastern parts of FICZ with the main goal to investigate the distribution and estimate the biomass of rock cod and other demersal species. The distribution of catches was correlated with environmental variables obtained from oceanographic stations.

The vessel departed Stanley on 18 October, and proceeded to the first station in the south-western part of FICZ (grid square XRAE). During the following nineteen days, the whole survey area was covered by trawl and oceanographic stations in a clockwise direction. Every day, four to five grid squares of the survey were fished. In each grid square, one trawl was performed repeating locations from the 2011 rockcod biomass survey (ZDLT1-02-12011). No time was lost due to bad weather.

Bottom trawling was conducted at 86 stations. Seabed trawling times during the survey were planned to be 60

minutes, except for three deepwater stations where trawl time was extended to 120 minutes. During the cruise a total of 79,516 kg was caught comprising over 121 species. The greatest catches were of rock cod *Patagonotothen ramsayi* (37,978 kg), red cod (*Salilota australis*) (15,404kg), kingclip *Genypterus blacodes* (5,929 kg) and Falkland herring *Sprattus fuegensis* (5,457 kg) combined yielding 81% of the catch. The objective of this cruise was to re-assess the rock cod biomass in the FICZ/FOCZ and compare it to the surveys conducted in both February 2010 and February 2011. The 2010 and 2011 assessments were based on the data from surveys conducted in the same area, and similar sampling stations as in the 2014 survey. The 2010 survey however was supplemented with survey data available from the concurrent *D. gahi* pre-recruit survey.

A swept-area method combined with geostatistical methods were used to provide a biomass estimate for the rock cod (98,596 t), as well as a number of commercial fish and squid species such as red cod (38,909 t), hake *M. hubbsi* (5,814 t), kingclip (16,433 t) and Falkland calamari *D. gahi* (8,848 t). Compared with two previous research surveys for rock cod biomass estimations, it was found a significant decrease in biomass from 343,124 t and 392,053 t in 2010 and 2011 respectively to the current 98,596 t. This low 2014 biomass estimate was somewhat surprising, particularly because the 2014 fishery for rock cod yielded around 56,500 t, and there did not seem to be a decline in abundance in the fishery. As such it was likely that underlying biological processes, in particular reproductive and feeding behaviour which might involve significant migration by the species that were not yet fully understood, may have a much greater influence than previously believed.

## Fisheries Department research contracts in 2014

The Falkland Islands Government's financial year runs from 1 July to 30 June and most external research contracts in the Fisheries Department adhered to these start and end dates. Contracts completed by the end of June 2014 are presented below.

### 3.1. '"Providing satellite sea surface water temperature (SST) data for the area of the Falkland-Patagonian shelf between January and May 2014".

This contract has been carried out by principal investigator Dr. A.M. Sirota of the research company MARSATEC, Kaliningrad, Russia.

SST maps were sent to the Fisheries Department three times a week (Monday, Wednesday, Friday) by e-mail. The SST maps were made in color using SURFER-7 Software. They were used for monitoring *Illex* distributions during the fishing season.

### 3.2. 'Seasonal and interannual variations in oceanographic conditions on the eastern continental slope and shelf of the Falkland Islands (November 1999 – February 2014)'

This year the oceanographic contract was carried out by principal investigator Dr. A.M. Sirota of MARSATEC, Kaliningrad, Russia.

Seasonal and interannual variability of water masses on the eastern shelf (transect P1) and southern shelf (transect P5) were described. Water structure and its variability around the Falkland Island shelf were analyzed using the data from research cruises.

### 3.3. "Stock discrimination studies in toothfish (*Dissostichus eleginoides*) on the Patagonian shelf using otolith elemental microchemistry."

Dr Haseeb Randhawa of the University of Otago, New Zealand has an ongoing contract to analyse elemental microchemistry in toothfish otoliths, targeting otolith core and edge of fish caught on the shelf. This work will continue until 2016. This work has been recently reviewed as part of MSC annual surveillance and as a result, the program is being enhanced to include transect analysis of otoliths of adult fish.

## Reductions in seabird mortality in the Falkland Islands

The Falkland Islands National Plan of Action-Seabirds (FI NPOA-S) was created in 2004, and was the first to be written for a United Kingdom Overseas Territory. It pertains to longline fishing in Falkland Islands waters and by Falkland Island-registered vessels in other EEZs and on the high seas. An update to this FI NPOA-S was produced in 2011: FI NPOA-L-2011.

A revised FI NPOA-T was created in 2009 pertaining to trawl fishing. As with the NPOA-S its aim was to reduce seabird mortalities associated with trawlers to levels that would have no deleterious impact of the long-term sustainability of sea bird populations. A new FI NPOA-S-T-2014 has recently been written to continue this work, but the primary objective has been changed to "strive towards the elimination of seabird mortalities".

#### 4.1. Longlining

Since 2007 there have been zero reported seabird mortalities in the longline fishery due to implementation of a number of highly effective mitigation measures, but most notably because of the introduction of the umbrella longlining method, also sometimes referred to as 'cacheloteras'. However, although no mortalities had occurred due to the fishing gear, in 2010 one snowy sheathbill *Chionis alba*, and in 2012 one giant petrel *Macronectes* spp. had died as a result of flying into the vessel at night. In 2014, one black-browed albatross *Thalassarche melanophris* became entangled in the tori line near the buoy and was presumed drowned.

#### 4.2. Finfish trawling

For the period July 2013 to June 2014, observations during periods of seabird interactions with fishing gears (i.e. any time when seabirds are around during shooting, hauling, trawling, discarding etc) in the demersal finfish fleet were conducted on 60 days, representing 1.9% fishing effort observed over the one year period. Only 2 seabird mortalities were recorded from the observed seabird-fishery interactions, both black-browed albatrosses. These mortalities can be extrapolated to total numbers of seabirds killed in Falkland Island demersal finfish trawl fisheries for the one-year period; the average mortality rate was 0.03 birds per vessel-day, equaling 103 Black-browed albatrosses.

#### 4.3. Falkland calamari demersal trawling

For the period July 2013 to June 2014, 63 hauling periods on 33 days were observed in this fishery, 1.6% of the Falkland calamari fishing effort over this year. Five seabird mortalities were recorded in these 33 days, 3 sooty shearwaters (*Puffinus griseus*) and 2 black-browed albatrosses. This was a substantial increase in seabirds' by-catch with respect to the three previous years where no mortality was recorded for the Falkland calamari fleet. Because the sooty shearwater is not considered to be a high risk species, these mortalities have been excluded from any extrapola-

tion. An estimated 125 black-browed albatrosses were killed in this season, at a rate of 0.06 birds per trawling day without stratification of the dataset.

### 4.4. Pelagic trawling

No mortalities were recorded from the pelagic trawl fishery for this period.

### 4.5. Unknown fates

Unknown fates are those instances where a bird is observed to be struck by the warp, dragged underwater and not seen to resurface, but it is unknown if this resulted in mortality. Compared with the previous year, a vast decrease was seen in unknown fates, with only 2 recorded this year (last year 105). Neither of these unknown fates correlated with recovered corpses in the subsequent hauling, suggesting they did not result in mortalities.

### 4.6. Heavy contacts

In the reporting year 665 heavy contacts between high risk seabirds (i.e. long-winged species at risk of injury or mortality from heavy contact) and fishing gear were recorded. 80% of these were black-browed albatrosses, 14% giant petrels, and 5% grey-headed albatrosses. Although the consequences such as injury or death resulting from these strikes are unknown, a proportion of the estimated annual 34,380 heavy contacts with high-risk species may result in either.

### 4.7. Improvements to incidental seabird mitigation

The observed effort was lower than in previous years: 1.9% in the finfish fisheries and 1.6% in the Falkland calamari fishery.

#### *4.7.1. Aerial array*

The *Argos Vigo* is currently the only vessel fitted with the so-called aerial array deterrent. Following a trip in 2013, further modifications have been made to the array with an additional two shorter poles fitted, one on each stern quarter, fitted with extra streamers. This focuses on the area where discards enter the danger zone, and keeps birds at a distance. The data collected on the high seas in February 2014 suggests the entire fitting is now much more effective than it was before with very few heavy contacts.

#### *4.7.2. Revisiting Mark1 design*

This original design by FC/FIFD collaboration in the early 2000s, was refined and trialed by the captain of the Argos Marine in May 2012. It showed great promise, but could not be trialed by the FIFD seabird observer until 2014, after the vessel had left the fishery. Although a promising design, the overhang distance of the trawl blocks at the stern are safety concerns on a large proportion of the vessels currently operating here. It was trialed and abandoned on one vessel, and not even trialed because of safety concerns on a second vessel.

#### *4.7.3. Inverted V design*

This design, somewhat modelled on the aerial array, was trialed on two vessels, but abandoned because of serious concerns of injury to birds.

#### *4.7.4. Clamped design*

Promoted and constructed by one captain and trials monitored by the seabird observer. Damage to the design was the reason to a quick abandoning of this system.

### 4.8. Compliance

*4.8.1. Non-use or incorrect use of tori lines*

No vessels were reported to be fishing without tori lines and in the reporting year only two vessels were found to be non-compliant with tori line regulations during at-sea inspections.

*4.8.2. Repeated violations of FIFD regulations*

No vessels were found to have repeatedly violated FIFD seabird mitigation requirements. This suggests that the continued efforts by the licensing and fisheries officers as well as the engagement by seabird and fisheries observers are having an effect.

## Falkland Islands Fisheries Observer Program

The program was set up when the licensed fishery started in 1986/87. The Observer program's aim was principally designed to collect biological data on target fish/squid and by-catch species. In early years, there were 4-5 observers, typically on a 4 month or 1 year contract. In the years hence, contracts have been changed to enhance data quality through job-continuity, and currently all contracts are a minimum of 1 year in duration, with possibility to extend. Currently, budget allocations allow employment of 6 Scientific Fisheries Observers and 1 Scientific Seabird Observer.

Fisheries Observers collect position data, catch/effort and biological data, conversion factor data, and seabird/mammal interaction/mortality data from all fleets and fisheries; whereas the Seabird Observer primarily works on seabird/mammal interaction/mortality data in the demersal mixed finfish trawl fleet. Observers also monitor activities of the Falkland flagged fleet operating on the high seas to the North of the Falklands EEZ. Lastly, observers also take part in the research cruises regularly conducted by the department.

Periods at sea typically vary between 2-6 weeks in duration. All collected data are entered into a database at sea, and a detailed trip report completed after each period at sea. These reports are shared with the vessel operators. In 2013, due to staffing issues, observation days were somewhat reduced compared to the previous year. In 2014 this trend has been reversed (Table 1). Table 2 provides a three year summary of specimens sampled.

In 2014, there were 50 observer trips on commercial vessels, 2 Loligo pre-recruitment trips, and 2 research survey trips.

**Table 1: Observer coverage for 2012-2014, FICZ/FOCZ**

| | 2012 | | | 2013 | | | 2014 | | |
|---|---|---|---|---|---|---|---|---|---|
| License | Fishing Days | Observed Days | | Fishing Days | Observed Days | | Fishing Days | Observed Days | |
| A/G/W | 3241 | 229 | 7.1% | 3204 | 109 | 3.4% | 3164 | 244 | 7.7% |
| B | 8491 | 111 | 1.3% | 7638 | 81 | 1.1% | 7041 | 79 | 1.1% |
| C/X | 1864 | 143 | 7.7% | 1977 | 159 | 8.0% | 1972 | 164 | 8.3% |
| F | 243 | 35 | 14.4% | 246 | 17 | 6.9% | 260 | 19 | 7.3% |
| L | 239 | 121 | 50.6% | 298 | 123 | 41.3% | 250 | 100 | 40.0% |
| S | 5 | 5 | 100.0% | 3 | 3 | 100.0% | 15 | 15 | 100.0% |
| E (surveys) | 73 | 73 | 100.0% | 91 | 91 | 100.0% | 61 | 61 | 100.0% |
| Totals | 14156 | 717 | 5.1% | 13457 | 583 | 4.3% | 12763 | 682 | 5.3% |

**Table 2: Fish, squid and skate specimens sampled by observers & scientists**

| SPECIES NAME | 2012-14 TOTAL | % | 2,012 | % | 2,013 | % | 2,014 | % |
|---|---|---|---|---|---|---|---|---|
| *Doryteuthis gahi* | 300,130 | 34.7% | 105,113 | 31.2% | 96,571 | 32.9% | 98,446 | 41.9% |
| *Patagonotothen ramsayi* | 159,605 | 18.4% | 70,936 | 21.1% | 50,071 | 17.0% | 38,598 | 16.4% |
| *Illex argentinus* | 93,902 | 10.8% | 40,337 | 12.0% | 22,256 | 7.6% | 31,309 | 13.3% |
| *Bathyraja brachyurops* | 58,006 | 6.7% | 24,697 | 7.3% | 20,846 | 7.1% | 12,463 | 5.3% |
| *Merluccius hubbsi* | 36,090 | 4.2% | 14,696 | 4.4% | 10,349 | 3.5% | 11,045 | 4.7% |
| *Bathyraja albomaculata* | 29,135 | 3.4% | 12,217 | 3.6% | 14,779 | 5.0% | 2,139 | 0.9% |
| *Zearaja chilensis* | 23,022 | 2.7% | 12,597 | 3.7% | 9,226 | 3.1% | 1,199 | 0.5% |
| *Dissostichus eleginoides* | 22,658 | 2.6% | 6,780 | 2.0% | 8,116 | 2.8% | 7,762 | 3.3% |
| *Salilota australis* | 21,230 | 2.5% | 6,615 | 2.0% | 7,772 | 2.6% | 6,843 | 2.9% |
| *Genypterus blacodes* | 19,255 | 2.2% | 9,683 | 2.9% | 6,649 | 2.3% | 2,923 | 1.2% |
| *Macruronus magellanicus* | 17,701 | 2.0% | 4,896 | 1.5% | 9,719 | 3.3% | 3,086 | 1.3% |
| *Bathyraja macloviana* | 13,585 | 1.6% | 4,406 | 1.3% | 7,580 | 2.6% | 1,599 | 0.7% |
| *Micromesistius australis* | 12,728 | 1.5% | 2,327 | 0.7% | 3,927 | 1.3% | 6,474 | 2.8% |
| *Bathyraja griseocauda* | 10,227 | 1.2% | 3,767 | 1.1% | 5,840 | 2.0% | 620 | 0.3% |
| *Macrourus holotrachys* | 9,457 | 1.1% | 3,594 | 1.1% | 3,753 | 1.3% | 2,110 | 0.9% |
| *Bathyraja scaphiops* | 5,296 | 0.6% | 2,836 | 0.8% | 2,030 | 0.7% | 430 | 0.2% |
| *Amblyraja doellojuradoi* | 4,554 | 0.5% | 1,704 | 0.5% | 2,283 | 0.8% | 567 | 0.2% |
| *Macrourus carinatus* | 4,116 | 0.5% | 538 | 0.2% | 2,786 | 0.9% | 792 | 0.3% |
| *Cottoperca gobio* | 3,886 | 0.4% | 2,537 | 0.8% | 1,035 | 0.4% | 314 | 0.1% |
| *Antimora rostrata* | 3,247 | 0.4% | 1,017 | 0.3% | 1,539 | 0.5% | 691 | 0.3% |
| *Merluccius australis* | 1,932 | 0.2% | 926 | 0.3% | 815 | 0.3% | 191 | 0.1% |
| *Sprattus fuegensis* | 1,676 | 0.2% | 373 | 0.1% | 417 | 0.1% | 886 | 0.4% |
| *Coelorhynchus fasciatus* | 1,643 | 0.2% | 256 | 0.1% | 819 | 0.3% | 568 | 0.2% |
| *Psammobatis spp.* | 1,576 | 0.2% | 270 | 0.1% | 955 | 0.3% | 351 | 0.1% |
| *Bathyraja cousseauae* | 1,568 | 0.2% | 482 | 0.1% | 886 | 0.3% | 200 | 0.1% |
| *Bathyraja multispinis* | 1,556 | 0.2% | 819 | 0.2% | 628 | 0.2% | 109 | 0.0% |
| *Sebastes oculatus* | 832 | 0.1% | 337 | 0.1% | 201 | 0.1% | 294 | 0.1% |
| *Champsocephalus esox* | 635 | 0.1% | 117 | 0.0% | 196 | 0.1% | 322 | 0.1% |
| *Moroteuthis ingens* | 582 | 0.1% | 145 | 0.0% | 52 | 0.0% | 385 | 0.2% |
| *Patagonotothen tessellata* | 449 | 0.1% | 100 | 0.0% | 105 | 0.0% | 244 | 0.1% |
| *Squalus acanthias* | 430 | 0.0% | 252 | 0.1% | 158 | 0.1% | 20 | 0.0% |
| *Amblyraja cf. georgiana* | 361 | 0.0% | 143 | 0.0% | 166 | 0.1% | 52 | 0.0% |
| *Gymnoscopelus bolini* | 283 | 0.0% |  | 0.0% |  | 0.0% | 283 | 0.1% |
| *Dipturus argentinensis* | 242 | 0.0% | 131 | 0.0% | 100 | 0.0% | 11 | 0.0% |
| *Stromateus brasiliensis* | 223 | 0.0% | 79 | 0.0% | 69 | 0.0% | 75 | 0.0% |
| *Iluocoetes fimbriatus* | 218 | 0.0% | 22 | 0.0% | 58 | 0.0% | 138 | 0.1% |
| *Paradiplospinus gracilis* | 202 | 0.0% |  | 0.0% |  | 0.0% | 202 | 0.1% |
| *Bathyraja magellanica* | 198 | 0.0% | 31 | 0.0% | 135 | 0.0% | 32 | 0.0% |
| *Physiculus marginatus* | 189 | 0.0% | 9 | 0.0% | 24 | 0.0% | 156 | 0.1% |
| *Paralomis formosa* | 182 | 0.0% | 99 | 0.0% | 53 | 0.0% | 30 | 0.0% |
| *Semirossia patagonica* | 143 | 0.0% | 142 | 0.0% | 1 | 0.0% |  | 0.0% |
| *Mancopsetta maculata* | 136 | 0.0% |  | 0.0% | 119 | 0.0% | 17 | 0.0% |
| *Bathyraja meridionalis* | 109 | 0.0% | 38 | 0.0% | 55 | 0.0% | 16 | 0.0% |
| *Others* | 1,185 | 0.1% | 287 | 0.1% | 350 | 0.1% | 548 | 0.2% |
| **TOTAL** | **865,565** |  | **336,638** |  | **293,839** |  | **235,088** |  |

# Fishing Effort and Catch Limits

Total Allowable Effort (TAE) and Total Allowable Catch (TAC) were set by the Falkland Islands Fisheries Department for the 2015 calendar year fisheries. TAC was estimated for longline toothfish. TAE were calculated as the number of fishing vessel units required to achieve the management objectives for all other fisheries.

# Participation in Scientific Workshops, Conferences and Symposia in 2014

## 7.1. South Atlantic Overseas Territories Regional workshop

This workshop on Sustainable Fisheries and MPAs was organized by JNCC, and hosted by the Ascension Island Government, between 16 and 20 June 2014. Two members of FIFD, Roy Summers and Joost Pompert, attended and gave presentations on fisheries science, observer programs, enforcement, regulation and licensing, and training.

## 7.2. 5th International Symposium 'Coleoid Cephalopods through time'

The Symposium was held in the University of Zurich, Switzerland, between 7 and 10 September 2014. Participant from FIFD: A. Arkhipkin. One abstract was submitted and accepted as an oral presentation to the Symposium: 'Tailed' coleoid cephalopods through time' by A. Arkhipkin, R. Weis, J-D. Pinard, N. Mariotti and Z. Shcherbich.

## 7.3. ICES Annual Scientific Meeting - 2014

Annual Scientific Meetings are organised by the International Council for the Exploration of the Seas (ICES). In 2014, the meeting was held in A Coruna, Spain on 15-19 September. Participating from FIFD: A. Arkhipkin. One report was presented in Section P (Operational solutions for cephalopod fisheries and culture) of the meeting, 'Environmental impacts on migrations of *Illex argentinus* in the Southwest Atlantic with applications to the distribution of fishing fleet' by A. Arkhipkin, M. Gras and A. Blake.

### 7.4. Agreement on the Conservation of Albatrosses and Petrels

The eighth meeting of ACAP Advisory Committee meeting took place in Punta del Este, Uruguay on 15-19 September 2014. This was preceded on 8-12 September by two workshops: the Population and Conservation Status Working Group and the Seabird Bycatch Working Group. J. Pompert attended these workshops as part of the UK delegation.

# Publications from scientific work carried out in FIG Fisheries Department in 2014 (or in collaboration with FIG personnel)

## 8.1. Peer-reviewed publications (appeared in 2014)


Arkhipkin, A.I., Laptikhovsky, V.V. 2013. From gelatinous to muscle food chain: rock cod Patagonotothen ramsayi recycles coelenterate and tunicate resources on the Patagonian Shelf. *Journal of Fish Biology*, **83**, 1210–1220.

Arkhipkin, A.I. 2014. Getting hooked: the role of a U-shaped body chamber in the shell of adult heteromorph ammonites. *Journal of Molluscan Studies*, **80** (4), 354-364.

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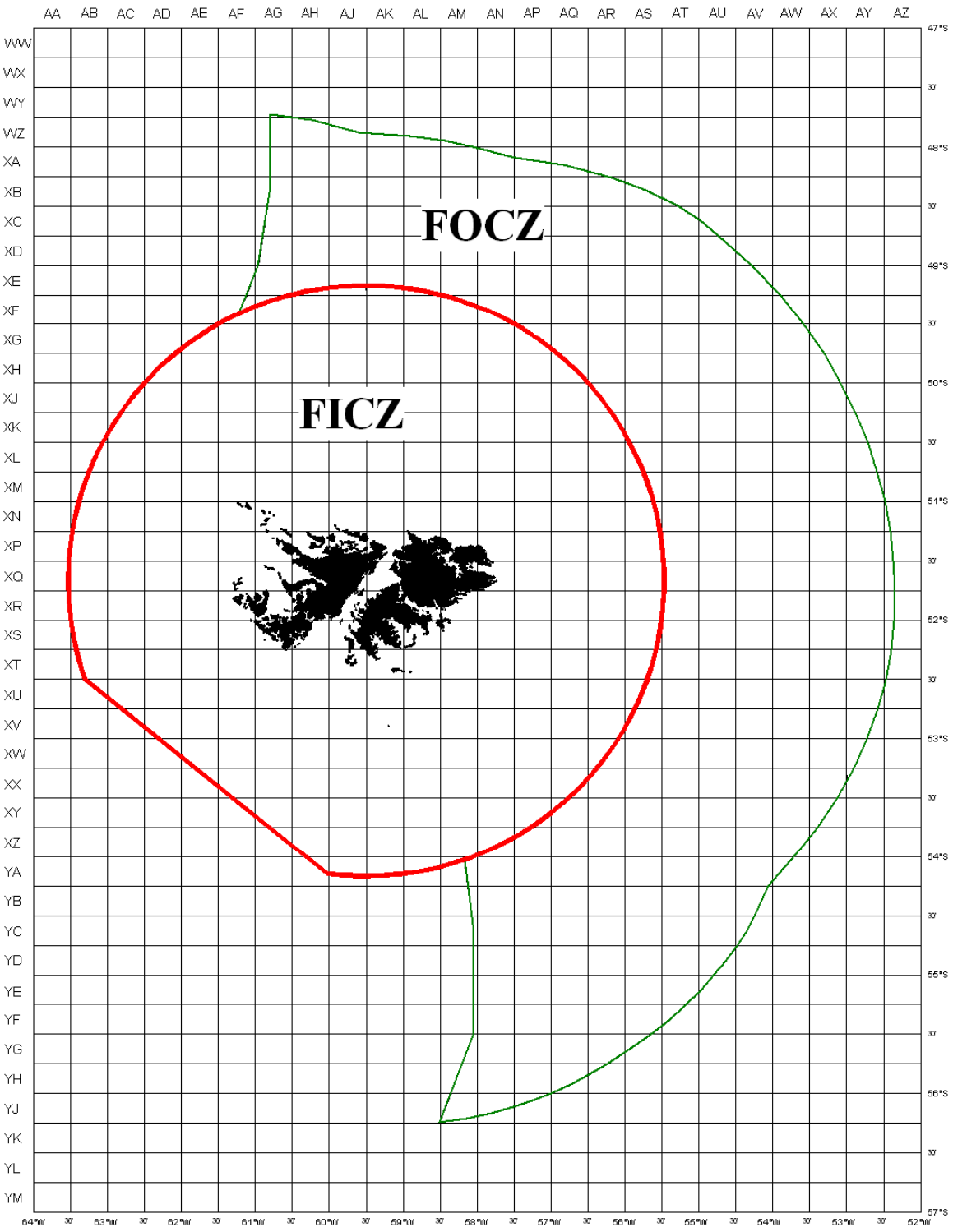
## Introduction

Figure A.1 Chart of the Falkland Islands Interim Conservation and Management Zone (FICZ) and Falkland Islands Outer Conservation Zone (FOCZ)




This chart is illustrative NOT definitive

# Introduction

Table A.1 Abbreviations for vessel types used in the tables

| FIFD Code | Vessel type |
|---|---|
| CO | Combination (trawler - jigger) |
| JI | Jigger |
| LO | Longliner |
| PO | Potter |
| TR | Trawler |

Table A.2 Abbreviations for species names used in the tables

| FIFD Code | FAO Code | Scientific name | Common name |
|---|---|---|---|
| BAC | SAO | *Salilota australis* | Red cod |
| BLU | POS | *Micromesistius australis* | Southern blue whiting |
| COX** | PAT | *Patagonotothen spp* | Rock cod |
| GRX** | RTX | Macrouridae | Grenadiers |
| HAK*** | HKP | *Merluccius hubbsi* | Common hake |
| KIN | CUS | *Genypterus blacodes* | Kingclip |
| ILL | SQA | *Illex argentinus* | Illex squid |
| LOL | SQP | *Doryteuthis gahi* | Falkland Calamari |
| MAR | SQS | *Martialia hyadesi* | Martialia squid |
| OTH | MZZ/SKX | Osteichthyes/Chondrichthyes | Others |
| PAT | HKX / HKN | *Merluccius spp /australis** | Austral Hake |
| RAY | SRX | Rajidae | Skates and rays |
| TOO | TOP | *Dissostichus eleginoides* | Patagonian toothfish |
| WHI | GRM | *Macruronus magellanicus* | Hoki |
| ZYP | ZYP | *Zygochlamys patagonica* | Scallop |

* - *Merluccius spp.* until 2005; *M.australis* since 2006

** - since 2006, before - in OTH; *** - since 2006, before - in PAT

Table A.3 Abbreviations for fishing fleets used in the tables

| ISO Alfa-2 code | ISO Alfa-3 code | Fishing Fleet |
|---|---|---|
| AU | AUS | Australia |
| BG | BGR | Bulgaria |
| BZ | BLZ | Belize |
| CB* | KHM | Cambodia |
| CL | CHL | Chile |
| CN | CHN | China |
| DE | DEU | Germany |
| EE | EST | Estonia |
| ES | ESP | Spain |
| FK | FLK | Falkland Islands |
| FR | FRA | France |
| GH | GHC | Ghana |
| GR | GRC | Greece |
| IS | ISL | Iceland |
| IT | ITA | Italy |
| JP | JPN | Japan |
| KR | KOR | Korea |
| NA | NAM | Namibia |
| NL | NLD | Netherlands |
| NO | NOR | Norway |
| NZ | NZL | New Zealand |
| PA | PAN | Panama |
| PL | POL | Poland |
| PT | PRT | Portugal |
| RU | RUS | Russia |
| SH | SHN | Saint Helena |
| SL | SLE | Sierra Leone |
| TG | TGO | Togo |
| TW * | TWN | Taiwan |

* - Cambodia is coded as CB for these statistics and Taiwan as TW.

Table A.3(b) Abbreviations for fishing fleets used in the tables

| ISO Alfa-2 code | ISO Alfa-2 code | ISO Alfa-3 code | Fishing Fleet |
|---|---|---|---|
| UA | | UKR | Ukraine |
| UK | | GBR | United Kingdom |
| US | | USA | United States of America |
| UY | | URY | Uruguay |
| VC | | VCT | Saint Vincent |
| VU | | VUT | Vanuatu |

Table A.4 Licence types, target species and periods of application 1989 - 2013

| Licence | | Target species | Period of application |
|---|---|---|---|
| First Season | | | |
| | A | Unrestricted finfish | 1989—2007 |
| | B | *Illex* squid | 1989 - 1992 |
| | | *Illex* and *Martialia* squid | 1993 - |
| | C | Falkland Calamari (*Loligo*) | 1989 - |
| | F | Skates and rays | 1995 –2007 |
| | G | *Illex* squid and restricted finfish* | 1997 - |
| | W | Restricted finfish** | 1994 –2007 |
| Second Season | | | |
| | R | Skate and rays | 1994 - 2007 |
| | X | All species | 1989 - 1990 |
| | | Falkland Calamari (*Loligo*) | 1991 - |
| | Y | Unrestricted finfish | 1989 –2007 |
| | Z | Restricted finfish** | 1989 –2007 |
| All year | | | |
| | A | Unrestricted finfish | 2008- |
| | F | Skates and rays | 2008- |
| | E | Experimental fishery*** | 1996- |
| | L | Toothfish (Longliners) | mid 1999 - |
| | S | Blue Whiting and Hoki | 1999 - |
| | W | Restricted finfish** | 2008- |

* The 'G' licence was introduced in 1997. It represents a combination of the 'B' Illex squid licence and 'W' restricted finfish licences. It is limited to trawlers using nets with a minimum mesh size of 90 mm.

** Restricted finfish - Main target species:

*Patagonotothen ramsayi* - Rock cod—*PAR*
*Micromesistius australis* - *Southern blue whiting* - *BLU*
*Macruronus magellanicus* - *Hoki* - *WHI.*

*** Experimental fishing licences 'E' are issued on an occasional basis to denote exploratory or experimental fishing activities. The 'E' licence included longliners fishing for toothfish up to mid 1999, when the 'L' licence was instituted for this activity. In 2006 the 'E' licence was used to cover access to the *Loligo* fishery during the monitoring activities undertaken by single vessels. The Scallop fishery, exploratory trawl fishery for grenadiers and longline fishery for kingclip have also been operating on an E licence.

Table A5 Register of ITQ holding on 23 December 2011

| | FISHERY | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Quota Owner** | **Finfish** | **Scallops** | **Squid - Jig or Trawl** *Illex argentinus* | **Squid - *Doryteuthis gahi* (Summer)** | **Skate** | **Squid and Restricted Finfish** | **Restricted Finfish Pelagic** | **Restricted Finfish** | **Toothfish - Longline** | **Squid - *Doryteuthis gahi* (Winter)** |
| Argos | 8.15% | | | 18.75% | | 11.22% | | 2.00% | | 18.75% |
| Beauchene | 3.10% | | | 12.97% | | | | 1.88% | | 12.97% |
| Bold Ventures | | | | | | 15.30% | | 22.21% | | |
| Byron Fishing Ltd | 2.28% | | | | | 10.355% | | 19.97% | | |
| CFL | | | | | | | | | 100% | |
| FIG | | | | | | | 70% | | | |
| Fortuna | 24.96% | | | 27.53% | | 0.04% | 30% | 0.27% | | 27.53% |
| International Fish | | | | | | 2.28% | | 2.06% | | |
| J.K. (Marine) | | | | | 36.80% | | | 0.86% | | |
| Pioneer Seafoods | 7.86% | | | | | 2.52% | | | | |
| RBC | 38.33% | | | 10.45% | | 13.345% | | 1.95% | | 10.45% |
| Seafish | | | | 4.40% | 29.20% | 14.14% | | 19.95% | | 4.40% |
| Seaview | | | | 14.34% | | | | | | 14.34% |
| Southern Cross | 4.18% | | | 11.56% | | 7.71% | | 10.42% | | 11.56% |
| Sulivan Shipping | 11.14% | | | | 34.00% | 23.09% | | 18.43% | | |
| **Total** | 100.00% | 0.00% | 0.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

**Note:**
Scallops and Squid Jig/Trawl have yet to enter quota system.

The catch entitlement generated by the ITQ held by the Crown (FIG) in the Restricted Finfish Pelagic fishery is leased to Fortuna Ltd.

# Licences

Table B.1 Licence allocations by licence type and year

| LICENCE | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|---|
| **A** | 40 | 33 | 17 | 13 | 4 | 10 | 5 | 5 | 4 |
| **B** | 161 | 144 | 170 | 165 | 156 | 164 | 120 | 113 | 92 |
| **C** | 46 | 38 | 16 | 20 | 21 | 22 | 17 | 19 | 15 |
| **E** | 8 | 5 | - | 2 | 1 | 6 | 6 | 5 | 6 |
| **F** | - | - | - | - | - | - | 4 | 5 | - |
| **G** | - | - | - | - | - | - | - | - | 19 |
| **L** | - | - | - | - | - | - | - | - | - |
| **R** | - | - | - | - | - | 9 | 10 | 11 | 10 |
| **S** | - | - | - | - | - | - | - | - | - |
| **W** | - | - | 11 | 16 | 14 | 30 | 29 | 28 | 9 |
| **X** | 23 | 20 | 19 | 23 | 30 | 27 | 23 | 24 | 21 |
| **Y** | 70 | 17 | 15 | 6 | 5 | 10 | 9 | 6 | 11 |
| **Z** | 24 | 35 | 40 | 46 | 43 | 47 | 60 | 43 | 36 |
| | **372** | **292** | **288** | **291** | **274** | **325** | **283** | **259** | **223** |

| LICENCE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---|---|---|---|---|---|---|---|---|
| **A** | 9 | 11 | 10 | 6 | 6 | 6 | 8 | 9 | 11 |
| **B** | 79 | 86 | 109 | 116 | 125 | 122 | 90 | 71 | 43 |
| **C** | 14 | 17 | 17 | 16 | 17 | 16 | 16 | 16 | 16 |
| **E** | 9 | 8 | 5 | 1 | 1 | 8 | 8 | 12 | 8 |
| **F** | - | - | 4 | 1 | 9 | 4 | 7 | 4 | - |
| **G** | 27 | 30 | 16 | 19 | 19 | 24 | 17 | 12 | 20 |
| **L** | - | - | 3 | 6 | 6 | 8 | 5 | 4 | 6 |
| **R** | 2 | 8 | 7 | 9 | 8 | 10 | 11 | 11 | 11 |
| **S** | - | 2 | 3 | 3 | 4 | 3 | 4 | 2 | 2 |
| **W** | 16 | 21 | 11 | 13 | 10 | 23 | 25 | 17 | 21 |
| **X** | 20 | 18 | 15 | 19 | 17 | 18 | 18 | 16 | 16 |
| **Y** | 8 | 8 | 4 | 8 | 8 | 12 | 9 | 12 | 16 |
| **Z** | 27 | 34 | 27 | 18 | 18 | 22 | 23 | 18 | 24 |
| | **211** | **243** | **231** | **235** | **248** | **276** | **241** | **204** | **194** |

| LICENCE | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|
| **A*** | 11 | 23 | 21 | 22 | 29 | 29 | 31 | 29 |
| **B** | 56 | 44 | 21 | 76 | 94 | 100 | 99 | 106 |
| **C** | 16 | 17 | 17 | 18 | 17 | 18 | 17 | 17 |
| **E** | 6 | 4 | 7 | 5 | 5 | 6 | 8 | 5 |
| **F**** | 1 | 8 | 8 | 8 | 7 | 8 | 8 | 8 |
| **G** | 18 | 23 | 27 | 23 | 25 | 25 | 25 | 22 |
| **L** | 6 | 2 | 1 | 1 | 1 | 1 | 2 | 2 |
| **R** | 10 | - | - | - | - | - | - | - |
| **S** | 2 | 3 | 4 | 3 | 1 | 3 | 1 | 1 |
| **W***** | 14 | 27 | 30 | 30 | 27 | 25 | 28 | 26 |
| **X** | 17 | 19 | 18 | 17 | 17 | 16 | 16 | 17 |
| **Y** | 18 | - | - | - | - | - | - | - |
| **Z** | 25 | - | - | - | - | - | - | - |
| | **200** | **170** | **154** | **203** | **223** | **231** | **235** | **233** |

* - A + Y since 2008 ** - F + R since 2008 ** *- W + Z since 2008

## Licences

Table B.2 Licence allocations by fishing fleet and year

| FISHING FLEET | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AU** | - | - | - | - | - | - | - | - | - | 3 | 3 | - | - |
| **BG** | 9 | 14 | 8 | 6 | 2 | - | - | - | - | - | - | - | - |
| **BZ** | - | - | - | - | - | - | 1 | - | - | - | 2 | 5 | 2 |
| **CB** | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 |
| **CL** | 1 | 1 | - | 3 | 2 | 8 | 8 | 4 | 3 | 2 | 3 | 1 | 1 |
| **CN** | - | - | - | - | - | - | - | - | - | 2 | 4 | 9 | 20 |
| **ES** | 99 | 72 | 66 | 74 | 74 | 108 | 100 | 69 | 52 | 64 | 76 | 41 | 45 |
| **FK** | 7 | 4 | 2 | 3 | 3 | 8 | 19 | 37 | 32 | 43 | 49 | 47 | 55 |
| **FR** | - | - | - | - | - | 5 | 3 | 4 | 2 | 2 | 2 | 1 | - |
| **GR** | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - |
| **HN** | - | - | 2 | 3 | 4 | 7 | 8 | 2 | - | - | - | - | - |
| **IS** | - | - | - | - | - | - | - | 1 | 3 | - | - | - | - |
| **IT** | 7 | 3 | 2 | 5 | 6 | 3 | 2 | - | - | - | - | - | - |
| **JP** | 95 | 82 | 77 | 63 | 30 | 36 | 13 | 11 | 19 | 40 | 20 | 21 | 16 |
| **KR** | 30 | 32 | 42 | 55 | 60 | 86 | 105 | 112 | 98 | 48 | 71 | 84 | 67 |
| **NA** | - | - | - | - | - | - | - | - | 3 | 1 | 2 | - | - |
| **NL** | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| **NO** | - | 2 | - | - | - | - | - | 1 | 1 | - | - | - | - |
| **PA** | - | - | 5 | 4 | 3 | 3 | 2 | 3 | 1 | 1 | 2 | - | - |
| **PL** | 68 | 53 | 40 | 21 | 8 | 8 | 4 | 2 | - | - | - | - | - |
| **PT** | 7 | 7 | 4 | 4 | 3 | 4 | 8 | 4 | - | - | - | 1 | - |
| **RU** | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 |
| **SC** | - | - | - | - | - | - | - | - | 3 | - | - | - | - |
| **SL** | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - |
| **TW** | 32 | 17 | 39 | 49 | 77 | 43 | 8 | 3 | 3 | 2 | 4 | 16 | 22 |
| **UK** | 11 | 1 | 1 | - | 1 | 3 | 2 | 5 | 3 | 3 | 5 | 3 | 3 |
| **UR** | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| **US** | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| **UY** | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| **VC** | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| | **372** | **292** | **288** | **291** | **274** | **325** | **283** | **259** | **223** | **211** | **243** | **231** | **235** |

## Licences

Table B.2 Licence allocations by fishing fleet and year

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BZ** | 1 | 3 | 1 | 1 | - | 1 | - | - | - | - | - | - | - |
| **CB** | 1 | 1 | 1 | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| **CL** | 1 | 1 | 2 | - | 1 | 2 | 1 | - | 1 | - | - | - | 2 |
| **CN** | 25 | 21 | 7 | 3 | 2 | 4 | - | - | - | - | - | - | - |
| **DE** | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| **EE** | - | - | 1 | - | 2 | - | - | - | - | - | - | - | - |
| **ES** | 48 | 46 | 48 | 36 | 59 | 65 | 59 | 61 | 55 | 61 | 63 | 67 | 64 |
| **FK** | 48 | 80 | 71 | 73 | 69 | 62 | 54 | 55 | 58 | 58 | 57 | 60 | 52 |
| **GH** | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| **JP** | 22 | 14 | 7 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | - |
| **KR** | 70 | 62 | 59 | 43 | 42 | 41 | 38 | 21 | 34 | 35 | 35 | 36 | 36 |
| **NA** | - | - | 2 | - | - | - | - | - | - | - | - | - | - |
| **NZ** | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| **PA** | 2 | 2 | 2 | 2 | 1 | 1 | - | - | - | - | - | - | - |
| **RU** | - | 6 | - | - | - | - | - | - | 1 | - | - | - | - |
| **SH** | - | - | - | - | - | - | - | 2 | - | - | - | - | - |
| **SL** | - | - | - | - | - | - | - | - | 2 | - | 1 | - | - |
| **TW** | 26 | 33 | 34 | 34 | 10 | 19 | 13 | 8 | 45 | 61 | 67 | 65 | 71 |
| **UK** | 3 | 4 | 4 | 6 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 |
| **UY** | 1 | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - |
| **VU** | - | - | - | 2 | - | - | - | - | 1 | 2 | - | 2 | 4 |
| | **248** | **276** | **241** | **204** | **194** | **200** | **170** | **154** | **203** | **223** | **231** | **235** | **233** |

Table B.3 Licence 'A' (Unrestricted finfish - first season, 1999-2007; both seasons in 2008) allocations by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **ES** | 2 | 3 | 3 | 12 | 11 | 10 | 15 | 17 | 19 | 17 |
| **FK** | 7 | 8 | 8 | 10 | 9 | 11 | 12 | 11 | 11 | 11 |
| **KR** | - | - | - | - | - | - | 1 | | | |
| **UK** | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | **9** | **11** | **11** | **23** | **21** | **22** | **29** | **29** | **31** | **29** |

## Licences

Table B.4 Licence 'B' (Illex squid) allocations by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **BZ** | 1 | - | 1 | - | - | - | - | - | - | - |
| **CB** | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| **CN** | 3 | 2 | 4 | - | - | - | - | - | - | - |
| **FK** | 1 | - | - | - | - | - | 1 | - | - | - |
| **GH** | - | 1 | - | - | - | - | - | - | - | - |
| **KR** | 28 | 29 | 32 | 31 | 13 | 27 | 29 | 30 | 31 | 31 |
| **PA** | 2 | 1 | - | - | - | - | - | - | - | - |
| **SL** | - | - | - | - | - | 2 | - | 1 | - | - |
| **TW** | 34 | 10 | 19 | 13 | 8 | 45 | 61 | 67 | 65 | 71 |
| **VU** | 2 | - | - | - | - | 1 | 2 | - | 2 | 4 |
| | **71** | **43** | **56** | **44** | **21** | **76** | **94** | **100** | **99** | **106** |

Table B.5 Licence 'C' (Falkland Calamari) allocations by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **ES** | - | - | - | 1 | 2 | 1 | 2 | 2 | 1 | 2 |
| **FK** | 15 | 15 | 14 | 15 | 14 | 16 | 14 | 15 | 15 | 14 |
| **PA** | - | - | 1 | - | - | - | - | - | - | - |
| **UK** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | **16** | **16** | **16** | **17** | **17** | **18** | **17** | **18** | **17** | **17** |

Table B.6 Licence 'E' (Experimental) allocations by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | - | - | - | - | 1 | - | - | - | - |
| **DE** | - | - | - | - | - | - | - | 1 | - | - |
| **ES** | - | 2 | 1 | 2 | 1 | - | 1 | - | - | - |
| **FK** | 9 | 4 | 5 | 2 | 2 | 3 | 4 | 5 | 8 | 5 |
| **RU** | - | - | - | - | - | 1 | - | - | - | - |
| **SH** | - | - | - | - | 2 | - | - | - | - | - |
| **UK** | 1 | - | - | - | 2 | - | - | - | - | - |
| **UY** | 2 | 2 | - | - | - | - | - | - | - | - |
| | **12** | **8** | **6** | **4** | **7** | **5** | **5** | **6** | **8** | **5** |

## Licences

Table B.7 Licence 'F' (Skates and rays - first season in 1999-2007, both seasons in 2008-2013) allocations by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **ES** | - | - | 1 | 2 | 2 | 4 | 3 | 4 | 4 | 4 |
| **KR** | 4 | - | - | 6 | 6 | 4 | 4 | 4 | 4 | 4 |
| | **4** | **0** | **1** | **8** | **8** | **8** | **7** | **8** | **8** | **8** |

Table B.8 Licence 'G' (Illex squid and restricted finfish) allocations by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **EE** | - | 1 | - | - | - | - | - | - | - | - |
| **ES** | 7 | 13 | 16 | 19 | 22 | 17 | 18 | 21 | 21 | 20 |
| **FK** | 5 | 6 | 2 | 4 | 5 | 6 | 7 | 4 | 4 | 2 |
| | **12** | **20** | **18** | **23** | **27** | **23** | **25** | **25** | **25** | **22** |

Table B.9 Licence 'L' (Toothfish Longliners) allocations by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | - | 1 | - | - | - | - | - | - | 1 |
| **FK** | 4 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |
| **KR** | - | 2 | 1 | - | - | - | - | - | - | - |
| | **4** | **6** | **6** | **2** | **1** | **1** | **1** | **1** | **2** | **2** |

Table B.10 Licence 'R' (Skates and rays - second season) allocations by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 |
|---|---|---|---|
| **ES** | - | - | 3 |
| **KR** | 11 | 11 | 7 |
| | **11** | **11** | **10** |

## Licences

Table B.11 Licence 'S' (Blue Whiting and Hoki - surimi vessels) allocations by fishing fleet and year

| Fishing Fleet | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | 1 | 1 | 1 | - | - | - | - | - | 1 |
| **FK** | - | - | - | 1 | 3 | 2 | - | 2 | 1 | - |
| **JP** | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | - |
| | **2** | **2** | **2** | **3** | **4** | **3** | **1** | **3** | **1** | **1** |

Table B.12 Licence 'W' (Restricted finfish - first season, 1998-2007; both seasons from 2008) allocations by fishing fleet and year

| Fishing Fleet | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **EE** | - | 1 | - | - | - | - | - | - | - | - |
| **ES** | 8 | 16 | 10 | 20 | 22 | 20 | 20 | 18 | 21 | 19 |
| **FK** | 7 | 3 | 3 | 5 | 5 | 6 | 5 | 5 | 5 | 5 |
| **KR** | - | - | - | 1 | 2 | 3 | 1 | 1 | 1 | 1 |
| **UK** | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | **17** | **21** | **14** | **27** | **30** | **30** | **27** | **25** | **28** | **26** |

Table B.13 Licence 'X' (Falkland Calamari - second season) allocations by fishing fleet and year

| Fishing Fleet | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **ES** | - | - | 1 | 3 | 1 | 2 | 2 | 1 | 1 | 2 |
| **FK** | 15 | 15 | 15 | 15 | 16 | 14 | 14 | 14 | 14 | 14 |
| **UK** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | **16** | **16** | **17** | **19** | **18** | **17** | **17** | **16** | **16** | **17** |

Table B.14 Licence 'Y' (Unrestricted finfish - second season) allocations by fishing fleet and year

| Fishing fleet | 2005 | 2006 | 2007 |
|---|---|---|---|
| **ES** | 5 | 6 | 11 |
| **FK** | 7 | 10 | 7 |
| | **12** | **16** | **18** |

| Fishing fleet | 2005 | 2006 | 2007 |
|---|---|---|---|
| **ES** | 14 | 19 | 19 |
| **FK** | 3 | 4 | 4 |
| **KR** | - | - | 1 |
| **UK** | 1 | 1 | 1 |
| | **18** | **24** | **25** |

# Licences

Table B.16 Annual revenue (Pounds sterling) by licence type

| LICENCE | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|
| **A** | 537,775 | 485,949 | 300,154 | 191,586 | 119,854 | 537,775 | 485,949 |
| **B** | 22,723,027 | 20,698,011 | 20,961,399 | 20,865,023 | 14,301,237 | 17,440,342 | 10,867,548 |
| **C** | 4,028,578 | 5,077,665 | 3,286,308 | 2,904,346 | 3,558,704 | 3,305,953 | 3,473,536 |
| **E** | 3,000 | 1,000 | . | 12,308 | 12,303 | 163,607 | 196,725 |
| **F** | . | . | . | . | . | . | 74,214 |
| **G** | . | . | . | . | . | . | . |
| **L** | . | . | . | . | . | . | . |
| **R** | . | . | . | . | . | 140,664 | 431,363 |
| **S** | . | . | . | . | . | . | . |
| **W** | . | . | 113,412 | 169,895 | 206,682 | 413,290 | 500,679 |
| **X** | 377,917 | 613,764 | 572,085 | 959,803 | 1,466,992 | 2,046,655 | 2,173,149 |
| **Y** | 939,594 | 291,531 | 285,700 | 187,767 | 199,798 | 180,825 | 164,690 |
| **Z** | 391,332 | 774,666 | 841,843 | 1,222,974 | 1,207,635 | 1,335,812 | 1,920,068 |
| | **29,001,223** | **27,942,586** | **26,360,901** | **26,513,702** | **21,073,205** | **25,690,547** | **20,348,929** |

| LICENCE | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|---|---|---|---|---|---|---|
| **A** | 300,154 | 191,586 | 186,858 | 247,467 | 264,667 | 153,200 | 229,589 |
| **B** | 12,176,224 | 12,189,748 | 9,578,864 | 9,349,734 | 14,609,416 | 16,408,604 | 15,504,408 |
| **C** | 3,915,269 | 3,489,634 | 3,694,139 | 3,840,651 | 4,063,638 | 4,515,400 | 4,495,703 |
| **E** | 107,022 | 180,956 | 460,752 | 471,163 | 190,113 | 0 | 0 |
| **F** | 117,243 | . | . | 0 | 83,714 | 41,311 | 218,114 |
| **G** | . | 654,702 | 900,493 | 1,321,513 | 755,274 | 1,001,852 | 1,176,222 |
| **L** | . | . | . | 0 | 237,250 | 581,856 | 581,856 |
| **R** | 446,767 | 429,579 | 73,733 | 452,362 | 252,959 | 405,492 | 221,071 |
| **S** | . | . | . | 326,903 | 980,410 | 914,033 | 792,191 |
| **W** | 842,504 | 590,818 | 868,281 | 872,436 | 418,455 | 303,832 | 268,804 |
| **X** | 2,297,557 | 1,745,260 | 2,157,595 | 1,802,191 | 1,596,130 | 2,014,142 | 1,759,362 |
| **Y** | 174,748 | 284,846 | 327,707 | 235,446 | 276,522 | 375,871 | 384,723 |
| **Z** | 1,536,543 | 1,474,175 | 1,329,126 | 1,262,615 | 1,051,854 | 969,460 | 920,040 |
| | **21,977,242** | **21,296,309** | **19,577,548** | **20,182,480** | **24,780,401** | **27,685,053** | **26,552,083** |

| LICENCE | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|
| **A*** | 312,757 | 239,533 | 160,585 | 296,901 | 428,227 | 1,129,012 | 1,129,011 |
| **B** | 12,122,222 | 2,926,562 | 2,441,087 | 4,509,716 | 6,151,234 | 4,430,958 | 0 |
| **C** | 1,446,088 | 1,509,446 | 1,534,994 | 1,763,009 | 1,734,547 | 1,939,301 | 1,939,301 |
| **E** | 34,500 | 56,925 | 84,150 | 95,600 | 0 | 0 | 0 |
| **F**** | 85,855 | 156,778 | 49,701 | 0 | 7,699 | 274,579 | 247,121 |
| **G** | 1,085,814 | 558,859 | 374,079 | 909,945 | 627,065 | 769,004 | 769,004 |
| **L** | 493,873 | 581,855 | 533,368 | 579,782 | 907,704 | 760,700 | 760,700 |
| **R** | 240,511 | 263,006 | 405,720 | 285,453 | 278,912 | . | |
| **S** | 895,352 | 1,237,335 | 449,067 | 525,669 | 554,748 | 543,770 | 543,770 |
| **W***** | 515,383 | 905,319 | 524,877 | 488,818 | 506,479 | 1,219,240 | 1,219,240 |
| **X** | 1,804,098 | 2,090,748 | 2,510,109 | 3,263,140 | 3,263,140 | 4,242,081 | 4,242,082 |
| **Y** | 434,158 | 407,128 | 650,185 | 656,810 | 459,542 | . | . |
| **Z** | 995,807 | 978,825 | 834,434 | 1,026,697 | 474,296 | . | . |
| | **20,466,419** | **11,912,319** | **10,552,357** | **14,401,541** | **15,393,593** | **15,308,645** | **10,850,229** |

## Licences

Table B.16 Annual revenue (Pounds sterling) by licence type (continue)

| LICENCE | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|
| **A** | 1,129,012 | 1,129,012 | 1,129,012 | 1,129,012 | 1,129,012 |
| **B** | 798,205 | 8,996,154 | 9,522,332 | 10,597,284 | 10,616,032 |
| **C** | 1,939,301 | 2,133,230 | 2,133,230 | 2,133,230 | 2,133,230 |
| **E** | - | - | - | - | - |
| **F** | 247,121 | 247,121 | 247,121 | 247,121 | 247,121 |
| **G** | 845,900 | 845,900 | 845,900 | 845,900 | 845,900 |
| **L** | 760,700 | 836,770 | 836,770 | 836,770 | 836,770 |
| **S** | 181,257 | 181,257 | 181,257 | 181,257 | 60,419 |
| **W** | 1,341,160 | 1,341,160 | 1,341,160 | 1,341,160 | 1,341,160 |
| **X** | 4,242,082 | 4,242,082 | 4,242,082 | 4,242,082 | 4,242,082 |
| | **11,484,738** | **19,952,686** | **20,478,864** | **21,553,816** | **21,451,726** |

* - A + Y since 2008; ** - F+R since 2008; *** - W + Z since 2008;

## Catch summary tables

Table C.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|---|
| **CO** | 59,069 | 46,211 | 27,896 | 17,669 | 1,151 | 4,807 | 3,222 | 1,569 | 811 |
| **JI** | 195,476 | 94,743 | 160,754 | 149,557 | 144,189 | 62,874 | 62,717 | 73,128 | 150,732 |
| **LO** | - | - | - | 131 | 10 | 2,855 | 1,901 | 992 | 1,241 |
| **TR** | 172,270 | 143,561 | 115,853 | 147,601 | 106,257 | 126,262 | 177,332 | 119,303 | 77,542 |
| | **426,814** | **284,516** | **304,503** | **314,957** | **251,605** | **196,798** | **245,172** | **194,991** | **230,326** |

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---|---|---|---|---|---|---|---|---|
| **CO** | 274 | - | - | - | - | - | - | - | - |
| **JI** | 79,837 | 254,026 | 182,925 | 146,066 | 13,001 | 101,754 | 1,661 | 7,775 | 81,766 |
| **LO** | 1,787 | 2,077 | 2,092 | 1,684 | 1,754 | 1,832 | 2,076 | 1,791 | 1,622 |
| **PO** | - | - | - | - | - | - | - | - | 295 |
| **TR** | 128,976 | 120,935 | 134,089 | 117,449 | 86,224 | 105,511 | 99,361 | 117,551 | 129,832 |
| | **210,874** | **377,038** | **319,107** | **265,198** | **100,979** | **209,097** | **103,098** | **127,118** | **213,516** |

| VESSEL TYPE | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|
| **JI** | 157,637 | 100,348 | 3 | 11,645 | 73,704 | 84,619 | 139,137 | 291,816 |
| **LO** | 1,539 | 1,511 | 1,254 | 1,056 | 1,401 | 1,216 | 1,470 | 1,360 |
| **PO** | 85 | - | - | 2 | - | - | 3 | 1 |
| **TR** | 142,907 | 168,193 | 152,385 | 196,463 | 150,496 | 180,194 | 123,975 | 157,686 |
| | **302,169** | **270,051** | **153,642** | **209,166** | **225,601** | **266,030** | **264,585** | **450,864** |

## Catch summary tables

Table C.2 Total catch (tonnes) of all species by year

| SPECIES | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|---|
| **BAC** | 2,814 | 2,778 | 2,880 | 7,055 | 6,224 | 4,043 | 9,084 | 6,925 | 4,649 |
| **BLU** | 43,468 | 72,326 | 50,491 | 34,078 | 24,900 | 38,697 | 39,154 | 23,539 | 26,296 |
| **ILL** | 224,022 | 102,417 | 174,745 | 160,016 | 145,185 | 66,996 | 64,122 | 79,724 | 149,763 |
| **KIN** | 977 | 850 | 949 | 1,952 | 1,643 | 899 | 1,985 | 1,682 | 1,392 |
| **LOL** | 118,720 | 82,990 | 53,817 | 83,384 | 52,279 | 65,757 | 98,417 | 61,374 | 26,122 |
| **MAR** | - | 4 | 141 | 1 | 33 | - | 5,803 | 111 | 2,099 |
| **HAK** | 16,480 | 11,900 | 6,759 | 4,070 | 3,029 | 1,414 | 1,988 | 1,649 | 1,554 |
| **RAY** | 1,749 | 1,500 | 6,923 | 8,108 | 8,523 | 5,542 | 5,432 | 3,475 | 3,320 |
| **TOO** | 236 | 208 | 980 | 912 | 393 | 2,963 | 2,069 | 685 | 1,208 |
| **WHI** | 13,313 | 7,553 | 4,499 | 14,188 | 8,506 | 10,064 | 15,603 | 13,813 | 13,006 |
| **OTH** | 5,036 | 1,989 | 2,317 | 1,192 | 890 | 423 | 1,514 | 2,015 | 916 |
| | **426,814** | **284,516** | **304,503** | **314,957** | **251,605** | **196,798** | **245,172** | **194,991** | **230,326** |

| SPECIES | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---|---|---|---|---|---|---|---|---|
| **BAC** | 8,121 | 9,313 | 6,551 | 3,896 | 2,617 | 2,285 | 2,781 | 2,467 | 3,472 |
| **BLU** | 31,483 | 28,564 | 23,371 | 25,735 | 24,908 | 20,798 | 28,554 | 17,047 | 20,532 |
| **COX** | - | - | - | - | - | - | - | 8,641 | 21,012 |
| **ILL** | 84,993 | 266,201 | 189,709 | 150,631 | 13,411 | 103,375 | 1,720 | 7,937 | 85,622 |
| **KIN** | 2,217 | 2,602 | 1,875 | 1,625 | 1,224 | 1,275 | 1,841 | 1,936 | 2,822 |
| **LOL** | 51,559 | 34,866 | 64,493 | 53,560 | 23,712 | 47,422 | 26,835 | 58,813 | 43,064 |
| **MAR** | - | 29 | - | 147 | 1 | 31 | 24 | - | - |
| **HAK** | - | - | - | - | - | - | - | - | 8,410** |
| **PAT** | 3,502 | 4,224 | 3,069 | 1,978 | 1,678 | 1,967 | 1,926 | 2,735* | 23*** |
| **RAY** | 1,077 | 4,785 | 3,853 | 4,309 | 3,364 | 3,988 | 5,151 | 5,698 | 4,683 |
| **TOO** | 2,103 | 2,988 | 2,318 | 1,754 | 1,793 | 1,707 | 2,002 | 1,677 | 1,568 |
| **WHI** | 22,378 | 18,765 | 19,831 | 19,471 | 26,970 | 23,815 | 25,905 | 16,723 | 19,769 |
| **GRX** | - | - | - | - | - | - | | 778 | 800 |
| **ZYP** | - | - | - | 76 | 59 | 685 | 1,279 | 1,358 | 1,161 |
| **OTH** | 3,443 | 4,701 | 4,037 | 2,018 | 1,242 | 1,748 | 5,080 | 1,309 | 578 |
| | **210,874** | **377,038** | **319,107** | **265,198** | **100,979** | **209,097** | **103,098** | **127,118** | **213,516** |

| SPECIES | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|
| **BAC** | 5,195 | 4,076 | 5,120 | 3,129 | 4,210 | 4,629 | 5,164 | 3,464 |
| **BLU** | 22,204 | 13,209 | 10,395 | 6,471 | 3,940 | 1,596 | 2,698 | 3,612 |
| **COX** | 30,386 | 60,601 | 58,236 | 76,451 | 55,705 | 63,510 | 32,436 | 56,589 |
| **ILL** | 161,506 | 106,189 | 44 | 12,111 | 79,391 | 87,002 | 142,619 | 306,148 |
| **KIN** | 3,592 | 2,227 | 3,390 | 3,639 | 3,867 | 3,510 | 3,977 | 2,880 |
| **LOL** | 42,003 | 52,260 | 31,474 | 66,543 | 34,675 | 70,894 | 40,168 | 48,702 |
| **MAR** | 4 | - | - | - | - | - | - | 10 |
| **HAK** | 11,909** | 8,806** | 13,049** | 13,606** | 9,904** | 10,489** | 12,308** | 14,861** |
| **RAY** | 5,669 | 3,861 | 5,873 | 5,891 | 6,970 | 6,654 | 5,932 | 5,553 |
| **TOO** | 1,520 | 1,429 | 1,418 | 1,403 | 1,560 | 1,311 | 1,423 | 1,297 |
| **WHI** | 16,669 | 15,908 | 23,403 | 19,227 | 22,979 | 15,867 | 16,849 | 7,390 |
| **GRX** | 629 | 943 | 965 | 455 | 2,062 | 225 | 517 | 216 |
| **ZYP** | 14 | 6 | 13 | 3 | 11 | - | - | 1 |
| **OTH** | 869 | 536 | 263 | 238 | 327 | 341 | 494 | 142 |
| | **302,169** | **270,051** | **153,642** | **209,166** | **225,601** | **266,030** | **264,585** | **450,864** |

* - *Merluccius spp*, ** - *M.hubbsi*, *** - *M.australis*

## Catch summary tables

Table C.3 Total catch (tonnes) by month and year

| MONTH | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|---|
| **January** | 2,475 | . | 5,128 | 5,217 | 3,723 | 9,149 | 7,810 | 5,217 | 7,918 |
| **February** | 30,652 | 26,620 | 19,493 | 21,028 | 6,789 | 13,273 | 28,800 | 15,782 | 8,660 |
| **March** | 89,952 | 74,890 | 88,553 | 96,826 | 39,900 | 52,894 | 46,084 | 49,887 | 29,199 |
| **April** | 131,835 | 56,338 | 83,954 | 79,745 | 79,365 | 27,654 | 49,391 | 48,971 | 60,718 |
| **May** | 73,998 | 28,475 | 32,258 | 24,303 | 51,777 | 18,914 | 21,514 | 19,526 | 68,234 |
| **June** | 11,913 | 1,017 | 112 | 107 | 437 | 2,002 | 1,786 | 1,211 | 10,474 |
| **July** | 5,265 | 2,437 | 2,538 | 223 | 1,577 | 2,172 | 2,937 | 1,418 | 2,625 |
| **August** | 24,987 | 13,196 | 14,895 | 22,415 | 20,227 | 18,151 | 25,736 | 16,451 | 10,019 |
| **September** | 26,143 | 33,653 | 21,075 | 26,933 | 16,111 | 19,569 | 25,540 | 13,562 | 8,668 |
| **October** | 14,221 | 17,836 | 13,123 | 19,839 | 11,891 | 16,105 | 14,486 | 8,315 | 7,960 |
| **November** | 8,909 | 19,119 | 9,832 | 10,736 | 11,056 | 8,805 | 11,881 | 7,406 | 8,381 |
| **December** | 6,463 | 10,934 | 13,542 | 7,585 | 8,751 | 8,111 | 9,205 | 7,245 | 7,470 |
| | **426,814** | **284,516** | **304,503** | **314,957** | **251,605** | **196,798** | **245,172** | **194,991** | **230,326** |

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---|---|---|---|---|---|---|---|---|
| **January** | 7,687 | 6,605 | 5,213 | 6,497 | 3,536 | 5,881 | 2,901 | 1,712 | 2,181 |
| **February** | 19,942 | 29,626 | 47,924 | 10,926 | 12,306 | 16,612 | 9,405 | 7,562 | 10,867 |
| **March** | 47,799 | 98,631 | 94,536 | 81,574 | 17,335 | 91,036 | 15,081 | 27,436 | 48,141 |
| **April** | 63,064 | 104,827 | 63,840 | 71,936 | 13,811 | 37,830 | 11,292 | 10,581 | 46,987 |
| **May** | 22,936 | 73,790 | 48,684 | 38,621 | 15,504 | 5,680 | 4,930 | 3,870 | 28,058 |
| **June** | 2,821 | 12,665 | 2,854 | 2,199 | 1,473 | 1,385 | 727 | 712 | 1,840 |
| **July** | 1,596 | 2,313 | 2,502 | 1,299 | 253 | 877 | 6,771 | 11,786 | 10,168 |
| **August** | 13,012 | 13,364 | 16,528 | 17,380 | 11,863 | 21,491 | 14,344 | 22,575 | 23,414 |
| **September** | 11,157 | 11,853 | 16,874 | 15,306 | 5,751 | 14,513 | 10,571 | 17,115 | 15,654 |
| **October** | 7,778 | 9,857 | 8,333 | 12,413 | 5,668 | 8,831 | 13,552 | 11,010 | 13,520 |
| **November** | 6,395 | 7,138 | 7,306 | 4,933 | 8,638 | 3,981 | 8,412 | 9,646 | 8,895 |
| **December** | 6,689 | 6,370 | 4,513 | 2,112 | 4,841 | 980 | 5,114 | 3,113 | 3,790 |
| | **210,874** | **377,038** | **319,107** | **265,198** | **100,979** | **209,097** | **103,098** | **127,118** | **213,516** |

| MONTH | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|
| **January** | 2,381 | 4,072 | 3,804 | 2,742 | 4,972 | 625 | 3,755 | 142 |
| **February** | 11,142 | 14,326 | 12,426 | 12,883 | 11,113 | 17,747 | 8,684 | 4,171 |
| **March** | 40,210 | 38,998 | 20,338 | 40,980 | 75,909 | 75,157 | 39,915 | 84,189 |
| **April** | 86,244 | 65,736 | 18,753 | 30,748 | 37,109 | 54,365 | 72,663 | 155,723 |
| **May** | 69,293 | 46,779 | 17,809 | 16,801 | 18,677 | 26,086 | 68,741 | 102,429 |
| **June** | 8,694 | 16,356 | 5,955 | 6,947 | 8,223 | 7,749 | 7,817 | 23,975 |
| **July** | 12,356 | 10,254 | 14,481 | 17,796 | 15,422 | 13,018 | 8,021 | 16,801 |
| **August** | 26,175 | 20,967 | 16,506 | 28,251 | 18,735 | 30,540 | 18,436 | 22,016 |
| **September** | 20,049 | 23,084 | 15,139 | 22,304 | 13,130 | 19,041 | 20,021 | 18,945 |
| **October** | 14,000 | 15,444 | 13,499 | 12,286 | 10,381 | 12,185 | 8,965 | 10,815 |
| **November** | 9,768 | 9,967 | 9,328 | 9,881 | 6,693 | 5,829 | 4,275 | 8,672 |
| **December** | 1,856 | 4,070 | 5,605 | 7,546 | 5,237 | 3,688 | 3,293 | 2,987 |
| | **302,169** | **270,051** | **153,642** | **209,166** | **225,601** | **266,030** | **264,585** | **450,864** |

## Catch summary tables

Table C.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | 3 | 1 |
| **400-599** | 2,143 | 3,527 | 3,143 | 3,334 | - | 98 | 761 | 936 | 1,245 | 2,579 |
| **600-799** | 6,885 | 50,859 | 83,300 | 59,162 | 11,607 | 16,215 | 30,329 | 35,335 | 42,597 | 69,106 |
| **800-999** | 16,855 | 39,973 | 83,529 | 63,277 | 24,345 | 28,166 | 65,861 | 75,209 | 102,413 | 213,023 |
| **1,000-1,499** | 32,332 | 50,944 | 62,057 | 66,884 | 61,334 | 75,938 | 67,286 | 73,867 | 72,146 | 101,931 |
| **1,500-1,999** | 24,604 | 28,802 | 33,023 | 36,509 | 29,991 | 44,703 | 35,080 | 41,916 | 24,506 | 35,700 |
| **2,000-2,999** | 33,008 | 25,230 | 24,454 | 32,065 | 18,921 | 37,934 | 21,060 | 37,005 | 21,246 | 26,843 |
| **>2,999** | 11,291 | 14,180 | 12,663 | 8,820 | 7,443 | 6,112 | 5,225 | 1,763 | 428 | 1,681 |
| | **127,118** | **213,516** | **302,169** | **270,051** | **153,642** | **209,166** | **225,601** | **266,030** | **264,585** | **450,864** |

Table C.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 928 | 1,850 | 2,046 | 730 | 2,831 | 936 | 1,717 | 2,817 |
| **45-49** | 8,636 | 27,552 | 43,248 | 33,442 | 17,394 | 16,171 | 15,274 | 20,185 | 21,635 | 28,794 |
| **50-54** | 17,393 | 44,414 | 61,387 | 46,470 | 9,721 | 14,478 | 28,350 | 35,270 | 34,419 | 65,491 |
| **55-59** | 11,505 | 27,782 | 46,862 | 42,972 | 22,295 | 32,987 | 42,292 | 44,401 | 52,857 | 68,986 |
| **60-64** | 20,630 | 33,119 | 45,861 | 49,789 | 35,258 | 42,580 | 51,968 | 60,487 | 58,983 | 85,365 |
| **65-69** | 24,769 | 34,910 | 53,223 | 45,478 | 27,193 | 43,688 | 40,815 | 48,645 | 42,539 | 82,123 |
| **70-79** | 21,712 | 24,188 | 30,851 | 32,694 | 27,880 | 42,230 | 32,516 | 44,114 | 45,844 | 107,717 |
| **80-89** | 6,443 | 4,228 | 3,798 | 4,303 | 2,303 | 4,666 | 3,121 | 5,250 | 2,919 | 3,770 |
| **>89** | 16,030 | 17,323 | 16,009 | 13,052 | 9,552 | 11,635 | 8,435 | 6,743 | 3,672 | 5,800 |
| | **127,118** | **213,516** | **302,169** | **270,051** | **153,642** | **209,166** | **225,601** | **266,030** | **264,585** | **450,864** |

Table C.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | 2 | - | - | 827 | 1 |
| **1,000-1,199** | - | - | - | - | - | 730 | 1,797 | 936 | 1,714 | 2,816 |
| **1,200-1,399** | 1,796 | 17,063 | 27,772 | 18,662 | 2,172 | 3,748 | 6,975 | 9,397 | 12,329 | 17,238 |
| **1,400-1,599** | 14,683 | 43,390 | 63,734 | 44,902 | 21,362 | 18,828 | 35,041 | 37,641 | 39,414 | 69,107 |
| **1,600-1,799** | 7,194 | 24,323 | 42,502 | 37,163 | 15,173 | 20,935 | 19,209 | 22,881 | 25,948 | 43,973 |
| **1,800-1,999** | 22,755 | 47,608 | 65,738 | 56,969 | 37,936 | 55,212 | 62,542 | 69,147 | 64,523 | 91,220 |
| **2,000-2,499** | 22,002 | 31,146 | 47,343 | 55,382 | 40,877 | 49,759 | 57,046 | 63,413 | 66,348 | 131,820 |
| **2,500-2,999** | 9,704 | 6,070 | 11,512 | 11,072 | 5,067 | 9,755 | 13,727 | 19,821 | 25,479 | 52,960 |
| **3,000-3,999** | 28,618 | 22,399 | 21,232 | 28,380 | 18,577 | 33,923 | 18,069 | 31,568 | 18,479 | 22,792 |
| **>3,999** | 20,366 | 21,517 | 22,336 | 17,522 | 12,478 | 16,274 | 11,194 | 11,227 | 9,525 | 18,937 |
| | **127,118** | **213,516** | **302,169** | **270,051** | **153,642** | **209,166** | **225,601** | **266,030** | **264,585** | **450,864** |

## Catch summary tables

Table C.7 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|---|
| **BG** | 13,503 | 22,369 | 21,888 | 8,981 | 2,976 | - | - | - | - |
| **BZ** | - | - | - | - | - | - | 585 | - | - |
| **CL** | 1,150 | 1,884 | - | 3,145 | 1,514 | 5,223 | 9,997 | 6,638 | 8,199 |
| **ES** | 82,345 | 65,908 | 57,605 | 87,763 | 58,143 | 67,191 | 89,284 | 40,842 | 20,510 |
| **FK** | 781 | 5,853 | 1,470 | 1,846 | 1,978 | 5,906 | 27,184 | 31,520 | 17,117 |
| **FR** | - | - | - | - | - | 1,945 | 7,369 | 4,600 | 1,545 |
| **GR** | 4,960 | 3,121 | - | - | - | - | - | - | - |
| **HN** | - | - | 1,712 | 2,761 | 3,681 | 2,976 | 2,833 | 850 | - |
| **IS** | - | - | - | - | - | - | - | 214 | 268 |
| **IT** | 10,391 | 4,547 | 2,409 | 2,923 | 2,142 | 1,181 | 218 | - | - |
| **JP** | 125,567 | 60,028 | 93,652 | 68,325 | 39,510 | 39,916 | 25,583 | 24,870 | 46,060 |
| **KR** | 51,133 | 32,996 | 61,614 | 72,489 | 65,228 | 42,987 | 63,236 | 73,861 | 129,546 |
| **NA** | - | - | - | - | - | - | - | - | 303 |
| **NL** | 4,587 | 3,369 | - | - | - | - | - | - | - |
| **NO** | - | 1,384 | - | - | - | - | - | 319 | 210 |
| **PA** | - | - | 2,425 | 4,027 | 1,060 | 598 | 459 | 706 | - |
| **PL** | 74,039 | 64,765 | 43,878 | 32,996 | 12,442 | 11,178 | 8,861 | 3,262 | - |
| **PT** | 9,143 | 6,430 | 3,268 | 1,548 | 1,809 | 2,512 | 5,157 | 1,052 | - |
| **RU** | - | - | - | - | - | 39 | - | - | - |
| **SC** | | | | | | | | | 1,252 |
| **SL** | - | - | - | 1,150 | 822 | 373 | - | - | - |
| **TW** | 37,529 | 10,479 | 12,590 | 27,002 | 59,853 | 13,497 | 2,323 | 1,901 | 3,013 |
| **UK** | 11,685 | 1,383 | 1,992 | - | 445 | 1,255 | 2,083 | 4,357 | 2,302 |
| **UR** | - | - | - | - | - | 21 | - | - | - |
| | **426,814** | **284,516** | **304,503** | **314,957** | **251,605** | **196,798** | **245,172** | **194,991** | **230,326** |

| FISHING FLEET | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---|---|---|---|---|---|---|---|---|
| **AU** | 3,593 | 3,711 | - | - | - | - | - | - | - |
| **BZ** | - | 4,511 | 6,729 | 2,581 | 136 | 2,788 | 42 | 61 | - |
| **CB** | - | - | 2,768 | 1,204 | 33 | 857 | 17 | - | - |
| **CL** | 8,849 | 5,491 | 2,749 | 8,014 | 9,252 | 6,490 | 9,752 | - | 2,131 |
| **CN** | 1,177 | 7,301 | 11,641 | 18,838 | 1,203 | 12,652 | 99 | 99 | 3,555 |
| **EE** | - | - | - | - | - | - | 226 | - | 1,427 |
| **ES** | 40,307 | 35,909 | 30,732 | 29,170 | 23,972 | 20,169 | 22,488 | 24,559 | 42,057 |
| **FK** | 43,578 | 39,131 | 62,947 | 59,820 | 35,732 | 60,596 | 43,320 | 71,204 | 65,255 |
| **FR** | 4,177 | 2,381 | 2,053 | - | - | - | - | - | - |
| **GH** | - | - | - | - | - | - | - | - | 1,244 |
| **JP** | 56,992 | 57,971 | 41,737 | 27,913 | 14,485 | 18,923 | 15,062 | 11,230 | 12,049 |
| **KR** | 45,082 | 207,795 | 128,940 | 86,587 | 12,637 | 53,677 | 6,008 | 10,076 | 61,748 |
| **NA** | 676 | 746 | - | - | - | - | 1,181 | - | - |
| **NZ** | - | - | - | - | - | 69 | - | - | - |
| **PA** | 1,098 | 61 | - | - | - | - | - | 194 | 585 |
| **PT** | - | - | 66 | - | - | - | - | - | - |
| **RU** | - | - | - | 228 | - | 6,891 | 31 | - | - |
| **TW** | 1,734 | 8,771 | 23,243 | 25,380 | 1,190 | 22,057 | 866 | 3,106 | 18,554 |
| **UK** | 3,575 | 3,259 | 5,501 | 3,564 | 2,279 | 3,238 | 2,703 | 5,100 | 3,742 |
| **UY** | 36 | - | - | 81 | 61 | 690 | 1,303 | 1,369 | 1,169 |
| **VC** | - | - | - | 1,820 | - | - | - | - | - |
| **VU** | - | - | - | - | - | - | - | 120 | - |
| | **210,874** | **377,038** | **319,107** | **265,198** | **100,979** | **209,097** | **103,098** | **127,118** | **213,516** |

Table C.7 Total catch (tonnes) by fishing fleet and year, continued

| FISHING FLEET | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|
| **BZ** | 2,285 | - | - | - | - | - | - | - |
| **CB** | - | - | - | 94 | 1,144 | 1,695 | 1,468 | - |
| **CL** | 3,948 | 1,640 | - | - | - | - | - | 1,728 |
| **CN** | 8,575 | - | - | - | - | - | - | - |
| **EE** | - | - | - | - | - | - | - | - |
| **ES** | 56,187 | 72,152 | 80,266 | 88,060 | 77,862 | 84,914 | 59,001 | 81,154 |
| **FK** | 65,809 | 76,969 | 58,549 | 93,186 | 62,191 | 85,826 | 60,464 | 67,649 |
| **GH** | - | - | - | - | - | - | - | - |
| **JP** | 9,042 | 8,820 | 7,443 | 6,018 | 4,745 | 109 | - | - |
| **KR** | 101,162 | 81,267 | 3,317 | 9,407 | 26,310 | 32,786 | 52,216 | 107,384 |
| **PA** | 1,254 | - | - | - | - | - | - | - |
| **RU** | - | - | - | 2 | - | - | - | - |
| **SL** | - | - | - | 178 | - | 340 | - | - |
| **TW** | 49,985 | 24,353 | - | 5,808 | 48,667 | 55,327 | 86,147 | 178,375 |
| **UK** | 3,923 | 4,850 | 4,067 | 6,271 | 2,861 | 5,033 | 2,968 | 3,524 |
| **UY** | - | - | - | - | - | - | - | - |
| **VU** | - | - | - | 142 | 1,821 | - | 2,322 | 11,051 |
| | **302,169** | **270,051** | **153,642** | **209,166** | **225,601** | **266,030** | **264,585** | **450,864** |

## *Illex argentinus*—Illex squid

Table D.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **JI** | 7,775 | 81,766 | 157,637 | 100,348 | 3 | 11,645 | 73,704 | 84,619 | 139,137 | 291,807 |
| **TR** | 162 | 3,856 | 3,869 | 5,841 | 41 | 466 | 5,688 | 2,383 | 3,481 | 14,341 |
| | **7,937** | **85,622** | **161,506** | **106,189** | **44** | **12,111** | **79,391** | **87,002** | **142,619** | **306,148** |

Table D.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | - | 6 | 15 | - | - | - | - | 1 | - | - |
| **February** | 87 | 454 | 3,071 | 952 | 1 | 134 | 990 | 9,247 | 195 | 49 |
| **March** | 6,915 | 26,654 | 22,741 | 11,010 | 30 | 9,847 | 60,959 | 40,558 | 20,910 | 66,596 |
| **April** | 934 | 36,353 | 71,559 | 48,116 | 11 | 2,128 | 17,382 | 29,213 | 57,455 | 137,597 |
| **May** | - | 21,930 | 58,883 | 34,119 | 1 | 1 | 59 | 7,959 | 59,361 | 87,746 |
| **June** | - | 225 | 5,237 | 11,991 | - | - | - | 23 | 4,695 | 14,063 |
| **July** | - | - | - | 1 | - | - | - | - | 2 | 94 |
| **August** | - | - | - | - | - | - | - | - | 2 | 1 |
| **September** | - | - | - | - | - | - | - | - | - | - |
| **October** | - | - | - | - | - | 1 | - | - | - | - |
| **November** | - | - | - | - | - | - | - | - | - | - |
| **December** | - | - | - | - | - | - | - | - | - | - |
| | **7,937** | **85,622** | **161,506** | **106,189** | **44** | **12,111** | **79,391** | **87,002** | **142,619** | **306,148** |

Table D.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **BZ** | 61 | - | 2,285 | - | - | - | - | - | - | - |
| **CB** | - | - | - | - | - | 94 | 1,144 | 1,695 | 1,468 | - |
| **CN** | 99 | 3,555 | 8,575 | - | - | - | - | - | - | - |
| **EE** | - | 472 | - | - | - | - | - | - | - | - |
| **ES** | 95 | 2,320 | 3,297 | 2,747 | 33 | 187 | 2,035 | 509 | 2,798 | 9,516 |
| **FK** | 93 | 1,050 | 537 | 442 | 8 | 67 | 2,828 | 572 | 650 | 2,873 |
| **GH** | - | 1,244 | - | - | - | - | - | - | - | - |
| **JP** | 4,170 | 57,828 | 96,792 | 78,642 | 3 | 5,635 | 22,892 | 28,554 | 49,236 | 104,298 |
| **KR** | 194 | 585 | - | - | - | - | - | - | - | - |
| **PA** | - | - | - | - | - | 178 | - | 340 | - | - |
| **RU** | 3,106 | 18,554 | 49,985 | 24,353 | - | 5,808 | 48,667 | 55,327 | 86,147 | 178,375 |
| **UK** | - | 15 | 35 | 4 | - | - | 4 | 6 | - | 36 |
| **VU** | 120 | - | - | - | - | 142 | 1,821 | - | 2,322 | 11,051 |
| | **7,937** | **85,622** | **161,506** | **106,189** | **44** | **12,111** | **79,391** | **87,002** | **142,619** | **306,148** |

## *Illex argentinus*—Illex squid

Table D.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 280 | 2,067 | 3,143 | 3,334 | - | 98 | 761 | 936 | 1,245 | 2,579 |
| **600-799** | 3,687 | 46,131 | 73,793 | 49,960 | 3 | 4,089 | 21,395 | 24,365 | 35,080 | 61,795 |
| **800-999** | 3,447 | 23,997 | 66,537 | 43,678 | 6 | 6,589 | 46,510 | 53,107 | 85,758 | 192,702 |
| **1,000-1,499** | 431 | 12,300 | 16,007 | 8,709 | 34 | 1,151 | 8,369 | 7,596 | 20,137 | 46,822 |
| **1,500-1,999** | 14 | 1,017 | 2,026 | 438 | 1 | 90 | 1,184 | 51 | 398 | 2,131 |
| **2,000-2,999** | 19 | 111 | - | 69 | - | - | 1,173 | 1 | - | 119 |
| **>2,999** | 61 | - | - | - | - | 94 | - | 947 | - | - |
| | **7,937** | **85,622** | **161,506** | **106,189** | **44** | **12,111** | **79,391** | **87,002** | **142,619** | **306,148** |

Table D.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | - | 122 | - | 98 | 871 | 936 | 1,245 | 2,579 |
| **45-49** | 1,914 | 17,889 | 28,877 | 17,756 | 4 | 1,277 | 5,339 | 6,641 | 11,649 | 19,723 |
| **50-54** | 2,206 | 30,879 | 49,352 | 39,216 | 4 | 3,491 | 17,241 | 20,295 | 24,564 | 51,823 |
| **55-59** | 1,757 | 14,949 | 31,510 | 20,258 | 7 | 2,585 | 20,031 | 20,492 | 30,903 | 53,819 |
| **60-64** | 822 | 10,758 | 21,672 | 14,450 | 12 | 2,209 | 17,558 | 19,810 | 30,064 | 48,937 |
| **65-69** | 1,081 | 8,624 | 23,356 | 14,015 | 3 | 2,058 | 12,886 | 13,263 | 21,274 | 52,944 |
| **70-79** | 140 | 2,424 | 6,740 | 361 | 14 | 393 | 5,081 | 5,565 | 22,920 | 76,311 |
| **80-89** | 19 | 96 | - | 11 | - | - | 144 | - | - | 6 |
| **>89** | - | 3 | - | 1 | - | - | 240 | - | - | 4 |
| | **7,937** | **85,622** | **161,506** | **106,189** | **44** | **12,111** | **79,391** | **87,002** | **142,619** | **306,148** |

Table D.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | - | - |
| **1,000-1,199** | - | - | - | - | - | 98 | 761 | 936 | 1,245 | 2,579 |
| **1,200-1,399** | 1,158 | 15,922 | 25,462 | 16,162 | - | 947 | 5,208 | 6,132 | 9,847 | 14,873 |
| **1,400-1,599** | 2,246 | 27,623 | 45,158 | 30,225 | 5 | 3,404 | 20,671 | 21,118 | 27,651 | 52,952 |
| **1,600-1,799** | 937 | 14,749 | 30,794 | 21,606 | 17 | 1,710 | 6,848 | 9,705 | 15,714 | 33,730 |
| **1,800-1,999** | 2,224 | 20,250 | 34,240 | 18,927 | 7 | 2,981 | 21,969 | 23,298 | 33,067 | 58,546 |
| **2,000-2,499** | 1,040 | 6,953 | 20,278 | 14,772 | 14 | 2,025 | 15,346 | 18,238 | 34,337 | 89,942 |
| **2,500-2,999** | 315 | 3 | 3,075 | 4,423 | - | 946 | 7,488 | 7,565 | 17,615 | 43,778 |
| **3,000-3,999** | 19 | 120 | 35 | 62 | - | - | 793 | 7 | - | 144 |
| **>3,999** | - | 3 | 2,464 | 12 | - | - | 307 | 2 | 3,144 | 9,603 |
| | **7,937** | **85,622** | **161,506** | **106,189** | **44** | **12,111** | **79,391** | **87,002** | **142,619** | **306,148** |

Table D.7 Total catch (tonnes) of jiggers by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 280 | 2,067 | 3,143 | 3,334 | - | 98 | 761 | 936 | 1,245 | 2,579 |
| **600-799** | 3,686 | 46,051 | 73,381 | 49,496 | - | 4,068 | 21,000 | 24,327 | 34,767 | 60,577 |
| **800-999** | 3,423 | 23,387 | 66,038 | 40,714 | 3 | 6,364 | 45,192 | 51,662 | 85,278 | 188,228 |
| **1,000-1,499** | 325 | 10,261 | 13,253 | 6,804 | 1 | 1,021 | 6,751 | 6,748 | 17,848 | 40,424 |
| **1,500-1,999** | - | - | 1,822 | - | - | - | - | - | - | - |
| **2,000-2,999** | - | - | - | - | - | - | - | - | - | - |
| **>2,999** | 61 | - | - | - | - | 94 | - | 947 | - | - |
| | **7,775** | **81,766** | **157,637** | **100,348** | **3** | **11,645** | **73,704** | **84,619** | **139,137** | **291,807** |

Table D.8 Total catch (tonnes) of jiggers by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | - | - | - | 98 | 761 | 936 | 1,245 | 2,579 |
| **45-49** | 1,911 | 17,672 | 28,127 | 17,342 | - | 1,256 | 4,973 | 6,610 | 11,326 | 18,807 |
| **50-54** | 2,184 | 30,688 | 49,208 | 36,428 | 2 | 3,273 | 16,346 | 18,870 | 24,287 | 48,105 |
| **55-59** | 1,706 | 13,911 | 31,007 | 20,091 | - | 2,527 | 19,081 | 19,894 | 30,141 | 51,443 |
| **60-64** | 776 | 9,800 | 20,066 | 13,045 | - | 2,154 | 16,409 | 19,619 | 28,849 | 45,379 |
| **65-69** | 1,058 | 7,772 | 22,629 | 13,443 | - | 1,967 | 12,291 | 13,163 | 20,896 | 50,775 |
| **70-79** | 140 | 1,923 | 6,601 | - | 1 | 370 | 3,843 | 5,529 | 22,393 | 74,719 |
| **80-89** | - | - | - | - | - | - | - | - | - | - |
| **>89** | - | - | - | - | - | - | - | - | - | - |
| | **7,775** | **81,766** | **157,637** | **100,348** | **3** | **11,645** | **73,704** | **84,619** | **139,137** | **291,807** |

Table D.9 Total catch (tonnes) of jiggers by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | - | - |
| **1,000-1,199** | - | - | - | - | - | 98 | 761 | 936 | 1,245 | 2,579 |
| **1,200-1,399** | 1,158 | 15,908 | 25,256 | 16,102 | - | 946 | 5,208 | 6,127 | 9,621 | 14,317 |
| **1,400-1,599** | 2,224 | 26,857 | 44,620 | 29,644 | - | 3,386 | 20,053 | 21,034 | 27,247 | 50,141 |
| **1,600-1,799** | 912 | 14,248 | 30,256 | 20,533 | 3 | 1,643 | 6,419 | 9,424 | 15,402 | 31,869 |
| **1,800-1,999** | 2,137 | 18,468 | 32,323 | 18,255 | 1 | 2,879 | 20,887 | 22,837 | 32,067 | 55,316 |
| **2,000-2,499** | 1,029 | 6,286 | 19,643 | 14,039 | - | 1,959 | 13,948 | 18,068 | 32,901 | 86,515 |
| **2,500-2,999** | 315 | - | 3,075 | 1,774 | - | 734 | 6,428 | 6,194 | 17,510 | 41,478 |
| **3,000-3,999** | - | - | - | - | - | - | - | - | - | - |
| **>3,999** | - | - | 2,464 | - | - | - | - | - | 3,144 | 9,593 |
| | **7,775** | **81,766** | **157,637** | **100,348** | **3** | **11,645** | **73,704** | **84,619** | **139,137** | **291,807** |

## *Illex argentinus*—Illex squid

Table D.10 Total catch (tonnes) of trawlers by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | - | - | - | - | - | - | - | - | - | - |
| **600-799** | - | 80 | 412 | 464 | 3 | 21 | 394 | 38 | 314 | 1,219 |
| **800-999** | 23 | 610 | 499 | 2,965 | 4 | 225 | 1,318 | 1,445 | 480 | 4,474 |
| **1,000-1,499** | 106 | 2,039 | 2,754 | 1,905 | 34 | 130 | 1,619 | 848 | 2,289 | 6,398 |
| **1,500-1,999** | 14 | 1,017 | 204 | 438 | 1 | 90 | 1,184 | 51 | 398 | 2,131 |
| **2,000-2,999** | 19 | 111 | - | 69 | - | - | 1,173 | 1 | - | 119 |
| **>2,999** | - | - | - | - | - | - | - | - | - | - |
| | **162** | **3,856** | **3,869** | **5,841** | **41** | **466** | **5,688** | **2,383** | **3,481** | **14,341** |

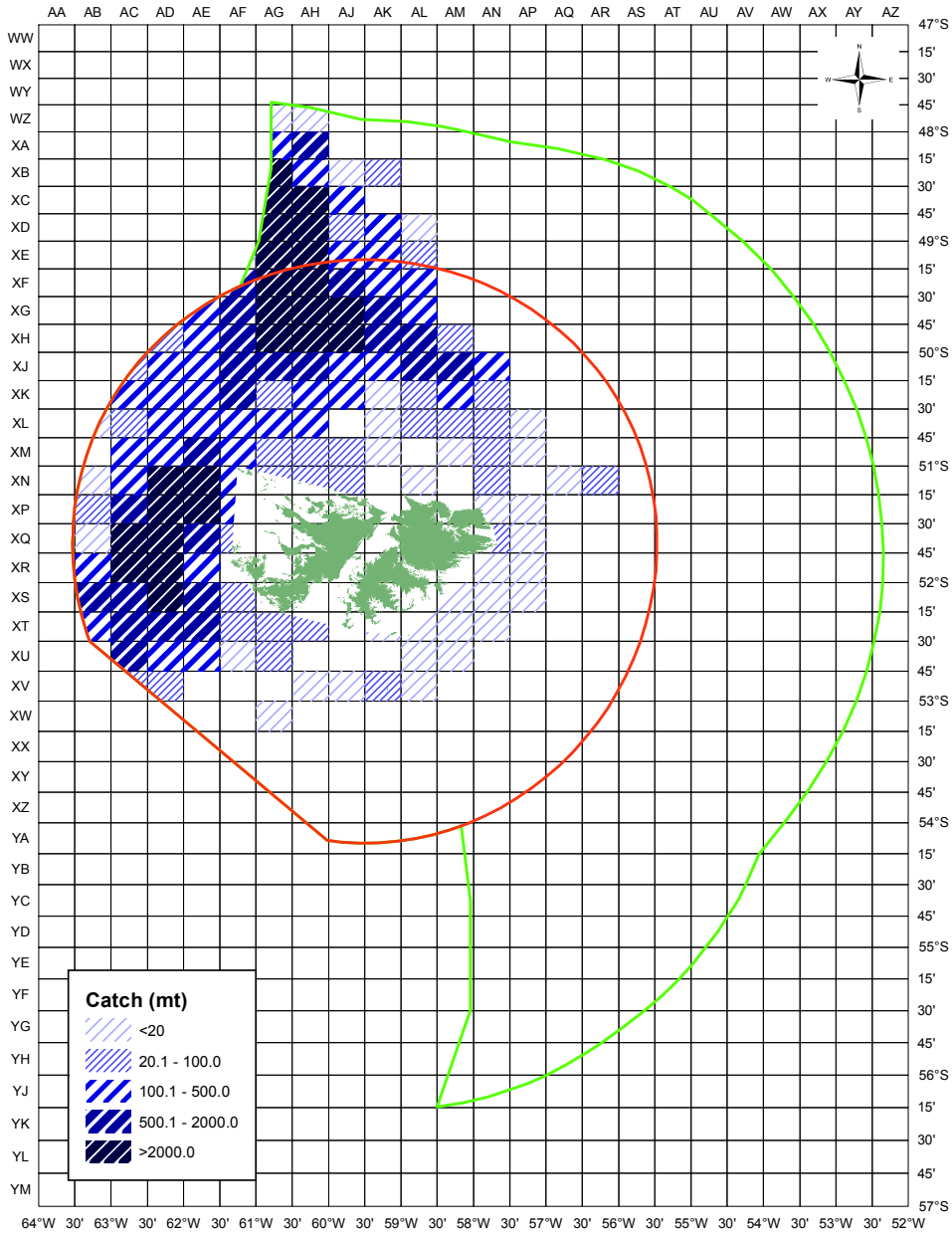
Table D.11 Total catch (tonnes) of trawlers by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | - | 122 | - | - | 110 | - | - | - |
| **45-49** | 3 | 217 | 750 | 414 | 4 | 21 | 367 | 32 | 323 | 916 |
| **50-54** | 22 | 191 | 144 | 2,788 | 1 | 218 | 895 | 1,425 | 277 | 3,718 |
| **55-59** | 51 | 1,038 | 503 | 167 | 7 | 58 | 950 | 598 | 762 | 2,377 |
| **60-64** | 45 | 958 | 1,606 | 1,405 | 12 | 55 | 1,148 | 192 | 1,214 | 3,558 |
| **65-69** | 23 | 852 | 727 | 572 | 3 | 91 | 595 | 100 | 378 | 2,169 |
| **70-79** | - | 501 | 139 | 361 | 13 | 23 | 1,238 | 36 | 526 | 1,592 |
| **80-89** | 19 | 96 | - | 11 | - | - | 144 | - | - | 6 |
| **>89** | - | 3 | - | 1 | - | - | 240 | - | - | 4 |
| | **162** | **3,856** | **3,869** | **5,841** | **41** | **466** | **5,688** | **2,383** | **3,481** | **14,341** |

Table D.12 Total catch (tonnes) of trawlers by brake horsepower (BHP) and year

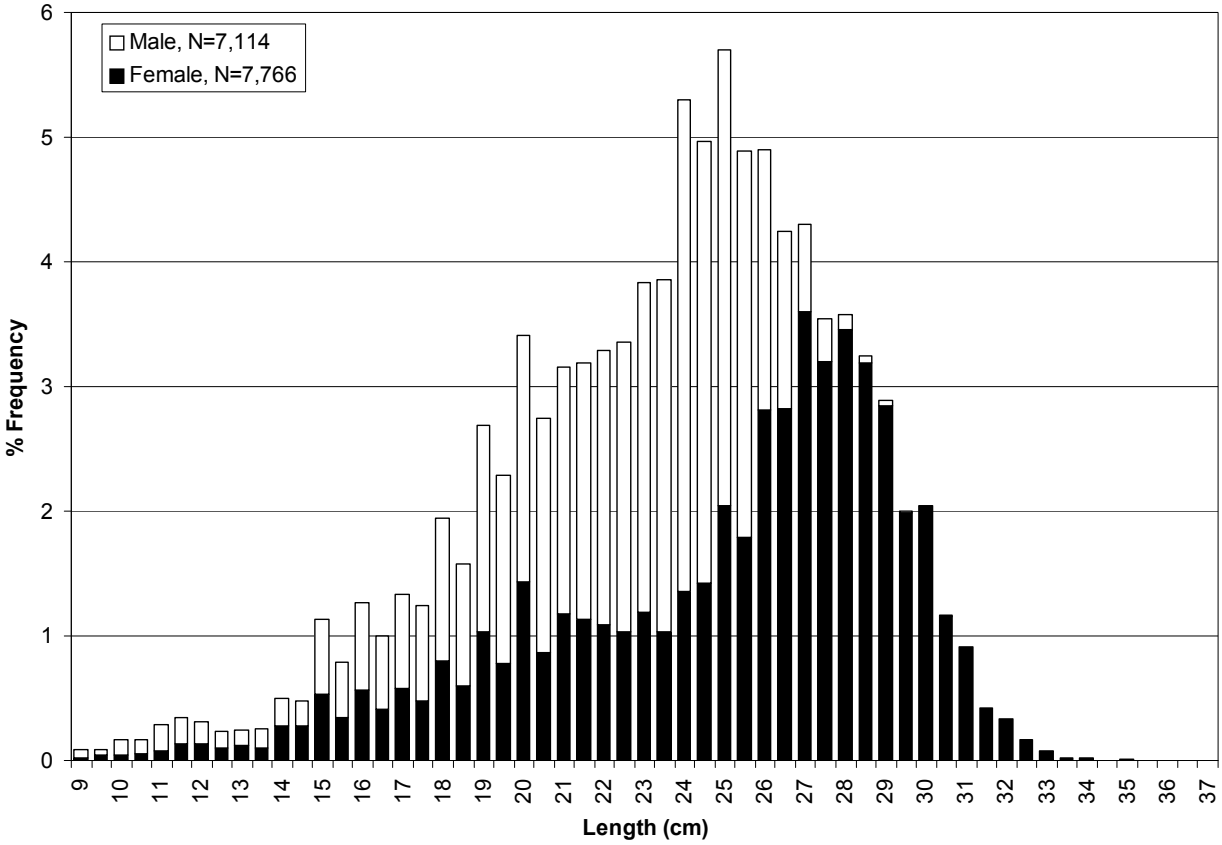
| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | - | - |
| **1,000-1,199** | - | - | - | - | - | - | - | - | - | - |
| **1,200-1,399** | - | 14 | 206 | 61 | - | 1 | - | 6 | 225 | 557 |
| **1,400-1,599** | 22 | 766 | 538 | 581 | 5 | 18 | 618 | 85 | 404 | 2,811 |
| **1,600-1,799** | 25 | 501 | 538 | 1,073 | 15 | 66 | 429 | 280 | 311 | 1,861 |
| **1,800-1,999** | 87 | 1,783 | 1,918 | 672 | 6 | 103 | 1,081 | 461 | 1,000 | 3,230 |
| **2,000-2,499** | 10 | 667 | 634 | 732 | 14 | 67 | 1,399 | 170 | 1,435 | 3,427 |
| **2,500-2,999** | - | 3 | - | 2,648 | - | 212 | 1,061 | 1,371 | 105 | 2,300 |
| **3,000-3,999** | 19 | 120 | 35 | 62 | - | - | 793 | 7 | - | 144 |
| **>3,999** | - | 3 | - | 12 | - | - | 307 | 2 | - | 10 |
| | **162** | **3,856** | **3,869** | **5,841** | **41** | **466** | **5,688** | **2,383** | **3,481** | **14,341** |

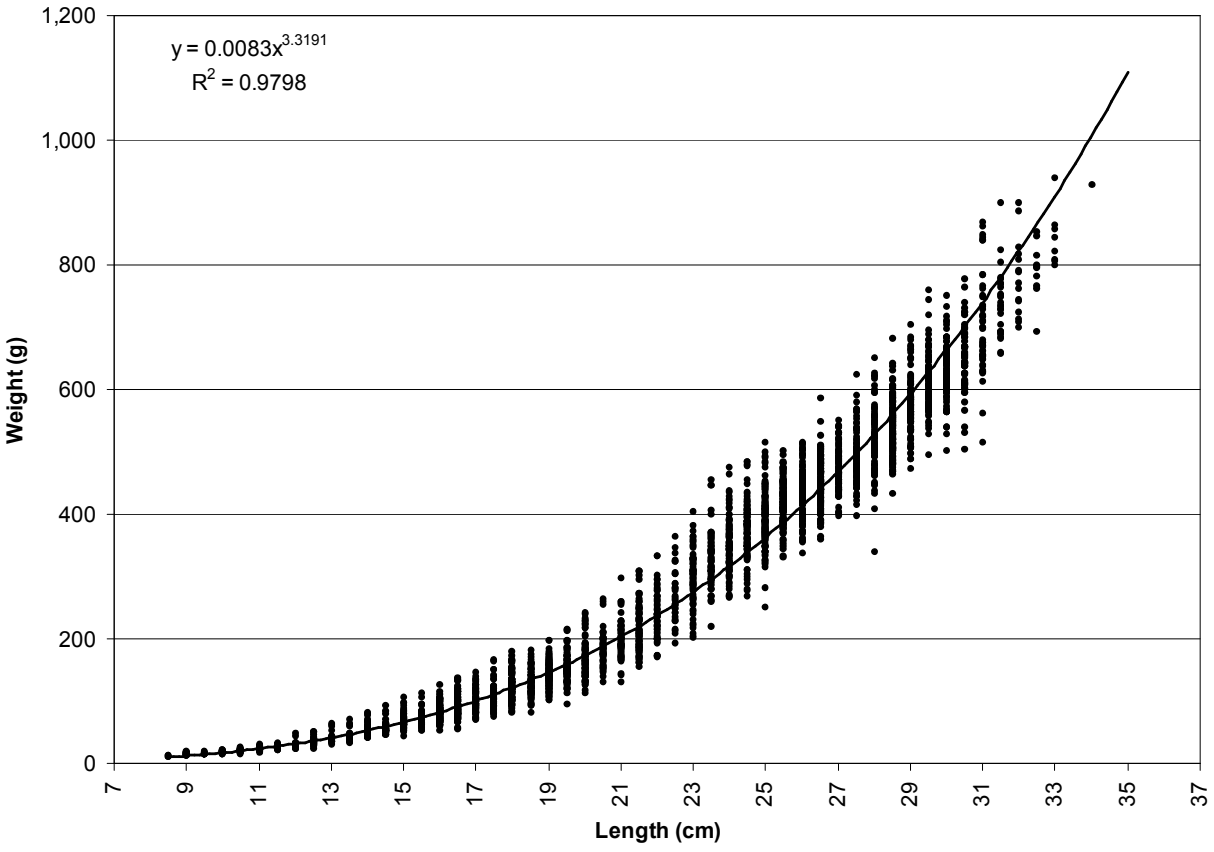
*Illex argentinus*
First Season 2014 (01 Jan to 30 Jun)



## *Illex argentinus*—Illex squid

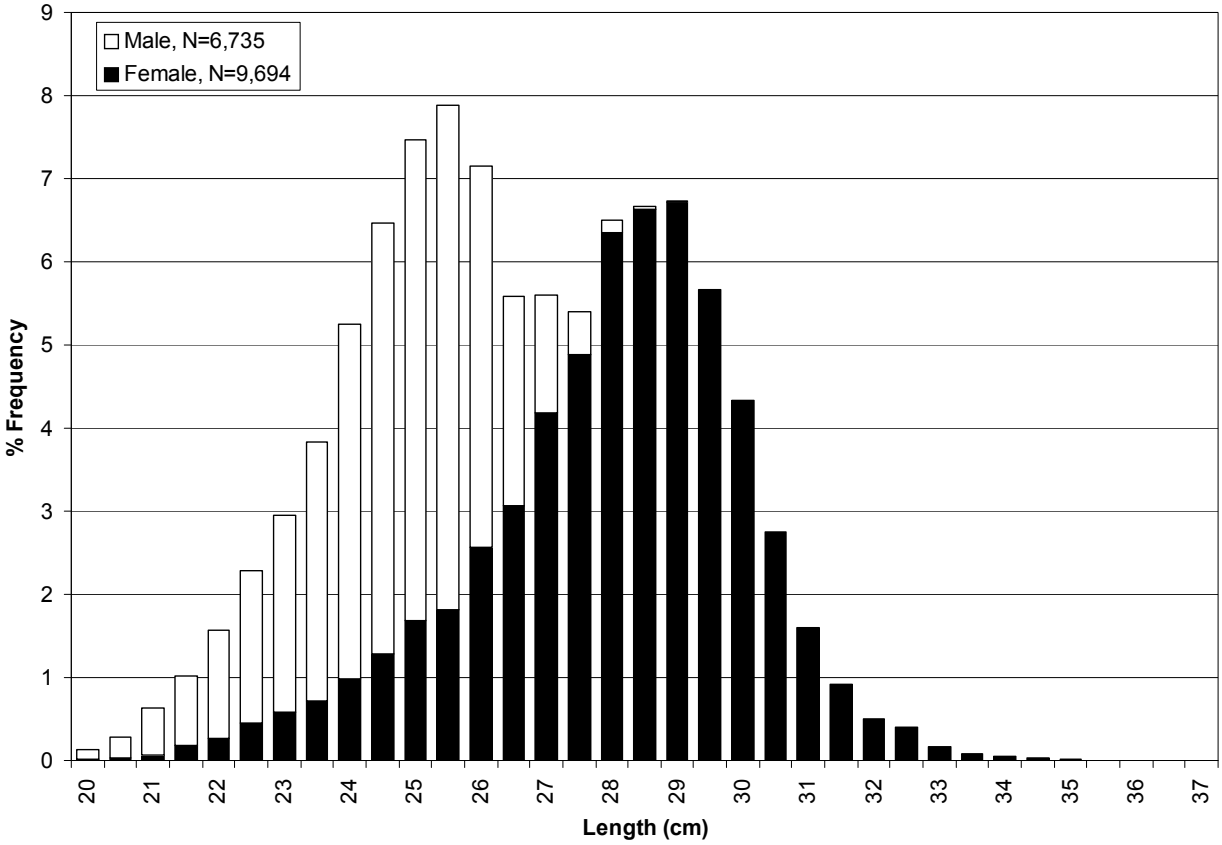
Length– frequency distribution and length-weight relationship in trawler fleet in 2014

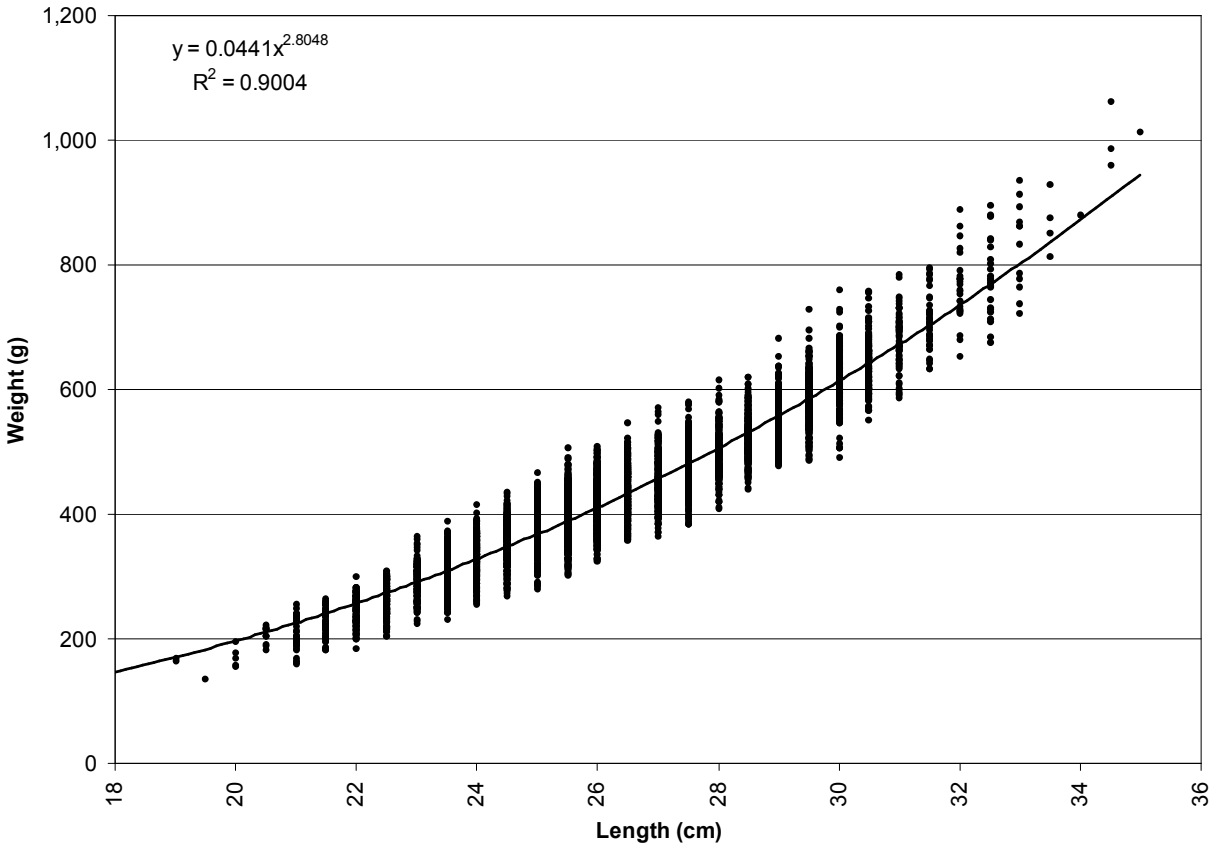


## *Illex argentinus*—Illex squid

Length– frequency distribution and length-weight relationship in jigger fleet in 2014



## *Doryteuthis gahi* - Falkland Calamari

Table E.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **TR** | 58,813 | 43,064 | 42,003 | 52,260 | 31,474 | 66,543 | 34,675 | 70,894 | 40,168 | 48,702 |
| | **58,813** | **43,064** | **42,003** | **52,260** | **31,474** | **66,543** | **34,675** | **70,894** | **40,168** | **48,702** |

Table E.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | - | - | - | - | - | - | - | - | - | - |
| **February** | 2,050 | 2,943 | 729 | 3,972 | 2,013 | 4,455 | 1,308 | 3,885 | 1,293 | 2,167 |
| **March** | 17,905 | 13,716 | 10,271 | 15,406 | 8,573 | 16,963 | 10,276 | 21,154 | 12,983 | 13,832 |
| **April** | 7,427 | 2,770 | 6,388 | 5,633 | 2,403 | 7,733 | 3,826 | 9,917 | 5,724 | 12,318 |
| **May** | 1,365 | 2 | 35 | 4 | 17 | 5 | 20 | 18 | 35 | 47 |
| **June** | 209 | 6 | 10 | 18 | 8 | 3 | 11 | 22 | 9 | 15 |
| **July** | 10,265 | 8,123 | 6,325 | 5,611 | 8,228 | 11,013 | 7,075 | 6,362 | 5,006 | 4,800 |
| **August** | 14,444 | 13,988 | 14,435 | 10,780 | 8,102 | 16,654 | 8,186 | 17,595 | 7,740 | 9,642 |
| **September** | 5,090 | 1,430 | 3,743 | 10,780 | 2,030 | 9,622 | 3,856 | 11,781 | 7,223 | 5,778 |
| **October** | 42 | 82 | 56 | 52 | 82 | 80 | 99 | 145 | 132 | 92 |
| **November** | 15 | 4 | 9 | 4 | 19 | 16 | 18 | 15 | 21 | 11 |
| **December** | - | - | 1 | - | - | - | - | 1 | 1 | - |
| | **58,813** | **43,064** | **42,003** | **52,260** | **31,474** | **66,543** | **34,675** | **70,894** | **40,168** | **48,702** |

Table E.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **ES** | 106 | 75 | 134 | 3,055 | 1,756 | 3,723 | 2,614 | 3,353 | 2,261 | 2,444 |
| **FK** | 54,178 | 40,157 | 38,090 | 45,684 | 27,180 | 58,016 | 30,580 | 62,668 | 35,243 | 42,927 |
| **JP** | - | - | 2 | 1 | - | - | - | - | - | - |
| **KR** | 13 | 41 | 22 | 6 | 2 | 34 | 54 | 87 | 34 | 39 |
| **PA** | - | - | 1,075 | - | - | - | - | - | - | - |
| **UK** | 4,516 | 2,791 | 2,681 | 3,515 | 2,535 | 4,770 | 1,426 | 4,786 | 2,629 | 3,292 |
| | **58,813** | **43,064** | **42,003** | **52,260** | **31,474** | **66,543** | **34,675** | **70,894** | **40,168** | **48,702** |

Table E.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | - | - | - | - | - | - | - | - | - | - |
| **600-799** | 202 | 8 | 29 | 14 | 179 | 76 | 45 | 97 | 58 | 31 |
| **800-999** | 2,689 | 2,168 | 2,221 | 2,883 | 1,840 | 3,039 | 1,897 | 3,411 | 2,157 | 2,371 |
| **1,000-1,499** | 9,828 | 6,567 | 7,529 | 8,428 | 5,208 | 10,760 | 5,964 | 11,164 | 7,006 | 7,908 |
| **1,500-1,999** | 17,527 | 13,232 | 12,577 | 15,577 | 9,972 | 20,173 | 9,553 | 21,277 | 11,973 | 14,603 |
| **2,000-2,999** | 28,567 | 21,089 | 19,645 | 25,358 | 14,275 | 32,494 | 17,212 | 34,932 | 18,969 | 23,784 |
| **>2,999** | - | - | 2 | 1 | - | - | 4 | 13 | 7 | 5 |
| | **58,813** | **43,064** | **42,003** | **52,260** | **31,474** | **66,543** | **34,675** | **70,894** | **40,168** | **48,702** |

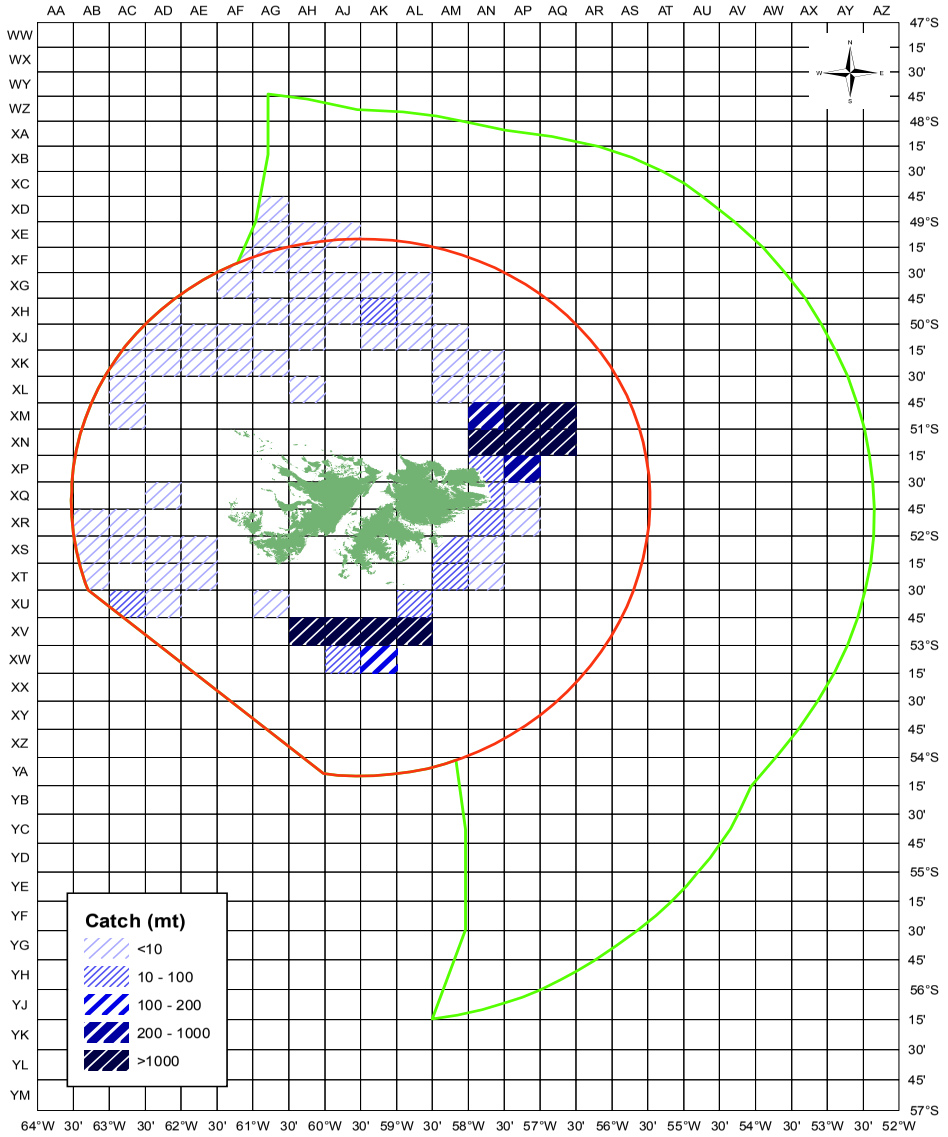
Table E.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 4 | 6 | 3 | - | 12 | - | 1 | - |
| **45-49** | 2,861 | 2,160 | 2,208 | 2,876 | 1,909 | 2,793 | 1,726 | 3,406 | 2,163 | 2,344 |
| **50-54** | 3,408 | 2,317 | 2,309 | 15 | 95 | 47 | 59 | 96 | 45 | 49 |
| **55-59** | 2,904 | 2,085 | 2,010 | 2,888 | 1,937 | 3,861 | 1,946 | 4,667 | 2,741 | 2,906 |
| **60-64** | 10,427 | 7,366 | 7,562 | 12,049 | 7,101 | 15,212 | 7,931 | 14,973 | 8,712 | 10,341 |
| **65-69** | 11,706 | 8,828 | 8,039 | 10,227 | 6,563 | 13,790 | 6,014 | 13,992 | 8,109 | 9,834 |
| **70-79** | 18,504 | 14,629 | 13,456 | 17,067 | 9,972 | 21,171 | 12,007 | 23,356 | 13,036 | 16,268 |
| **80-89** | 4,317 | 2,983 | 3,438 | 3,778 | 2,048 | 4,504 | 2,385 | 4,835 | 2,620 | 3,355 |
| **>89** | 4,687 | 2,696 | 2,977 | 3,355 | 1,848 | 5,165 | 2,594 | 5,568 | 2,740 | 3,604 |
| | **58,813** | **43,064** | **42,003** | **52,260** | **31,474** | **66,543** | **34,675** | **70,894** | **40,168** | **48,702** |

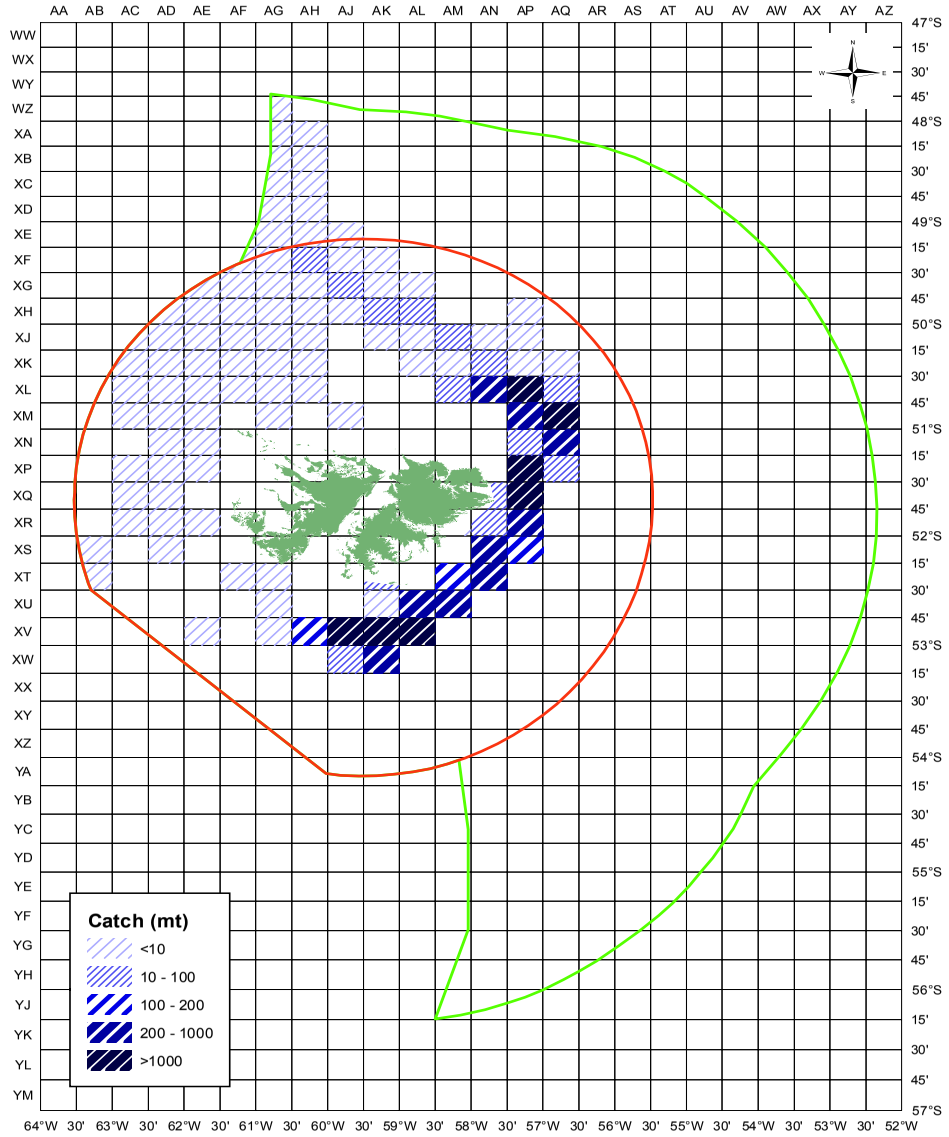
Table E.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | 1 | - |
| **1,000-1,199** | - | - | - | - | - | - | 6 | - | 1 | - |
| **1,200-1,399** | - | - | - | - | - | - | - | - | 1 | - |
| **1,400-1,599** | 3,608 | 2,320 | 2,338 | 155 | 380 | 349 | 180 | 101 | 71 | 46 |
| **1,600-1,799** | 2,901 | 2,082 | 1,965 | 103 | 29 | 35 | 29 | 770 | 324 | 55 |
| **1,800-1,999** | 2,716 | 2,189 | 2,226 | 5,389 | 3,222 | 6,141 | 3,520 | 6,324 | 4,283 | 4,538 |
| **2,000-2,499** | 12,308 | 9,187 | 9,001 | 13,702 | 8,620 | 17,504 | 9,415 | 18,202 | 10,654 | 12,969 |
| **2,500-2,999** | 4,691 | 2,722 | 4,071 | 3,360 | 1,850 | 5,196 | 2,637 | 5,635 | 2,764 | 3,635 |
| **3,000-3,999** | 24,078 | 18,201 | 15,913 | 21,741 | 12,915 | 27,595 | 13,668 | 29,341 | 16,250 | 20,127 |
| **>3,999** | 8,510 | 6,363 | 6,491 | 7,810 | 4,458 | 9,722 | 5,218 | 10,520 | 5,818 | 7,331 |
| | **58,813** | **43,064** | **42,003** | **52,260** | **31,474** | **66,543** | **34,675** | **70,894** | **40,168** | **48,702** |

*Doryteuthis gahi*
First Season 2014 (01 Jan to 30 Jun)

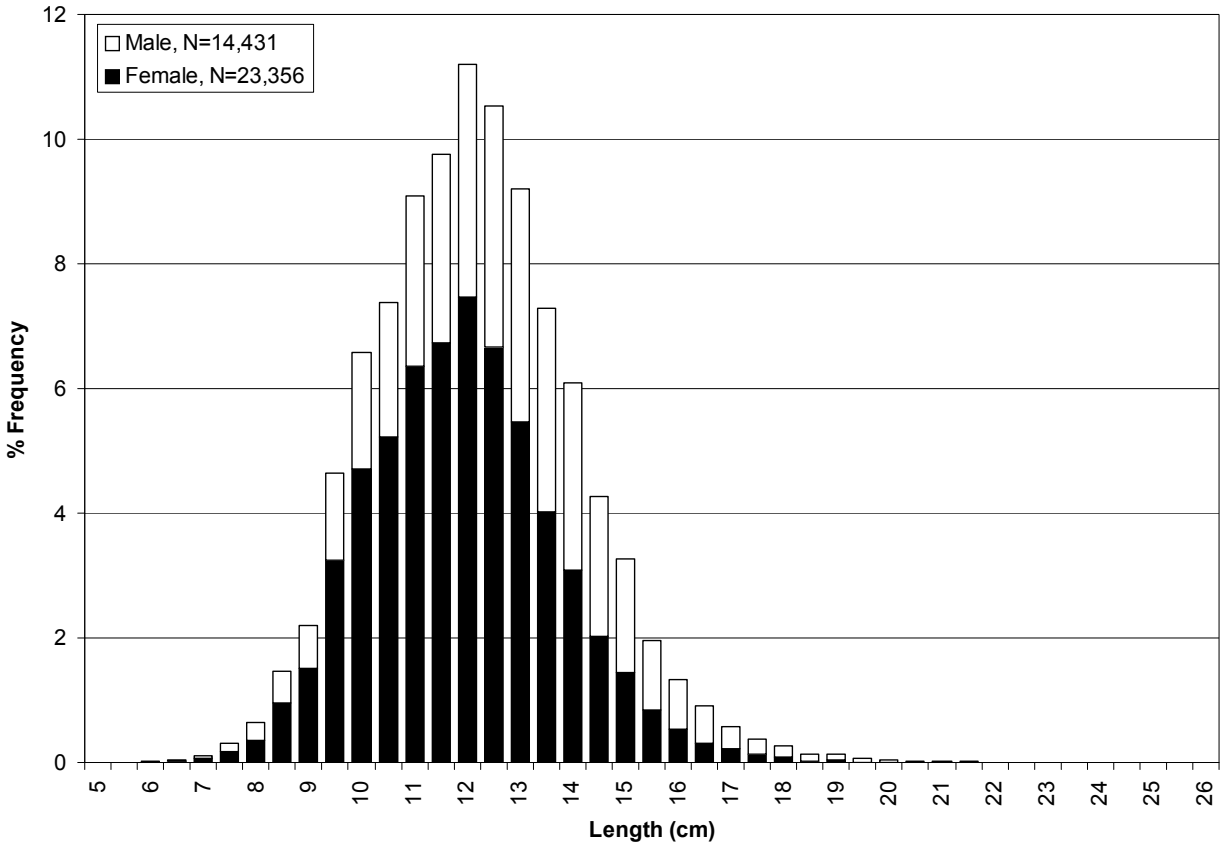


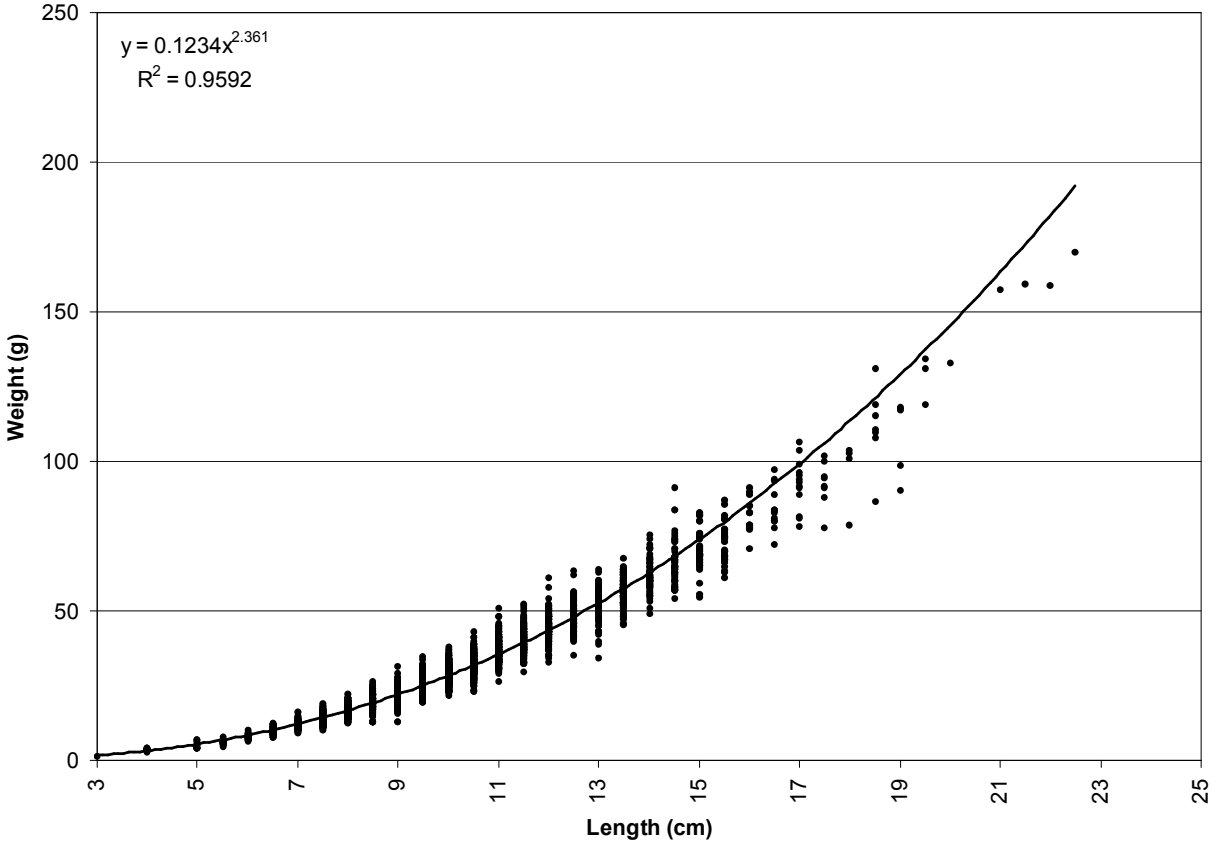

*Doryteuthis gahi*
Second Season 2014 (01 Jul to 31 Dec)



## *Doryteuthis gahi* - Falkland Calamari

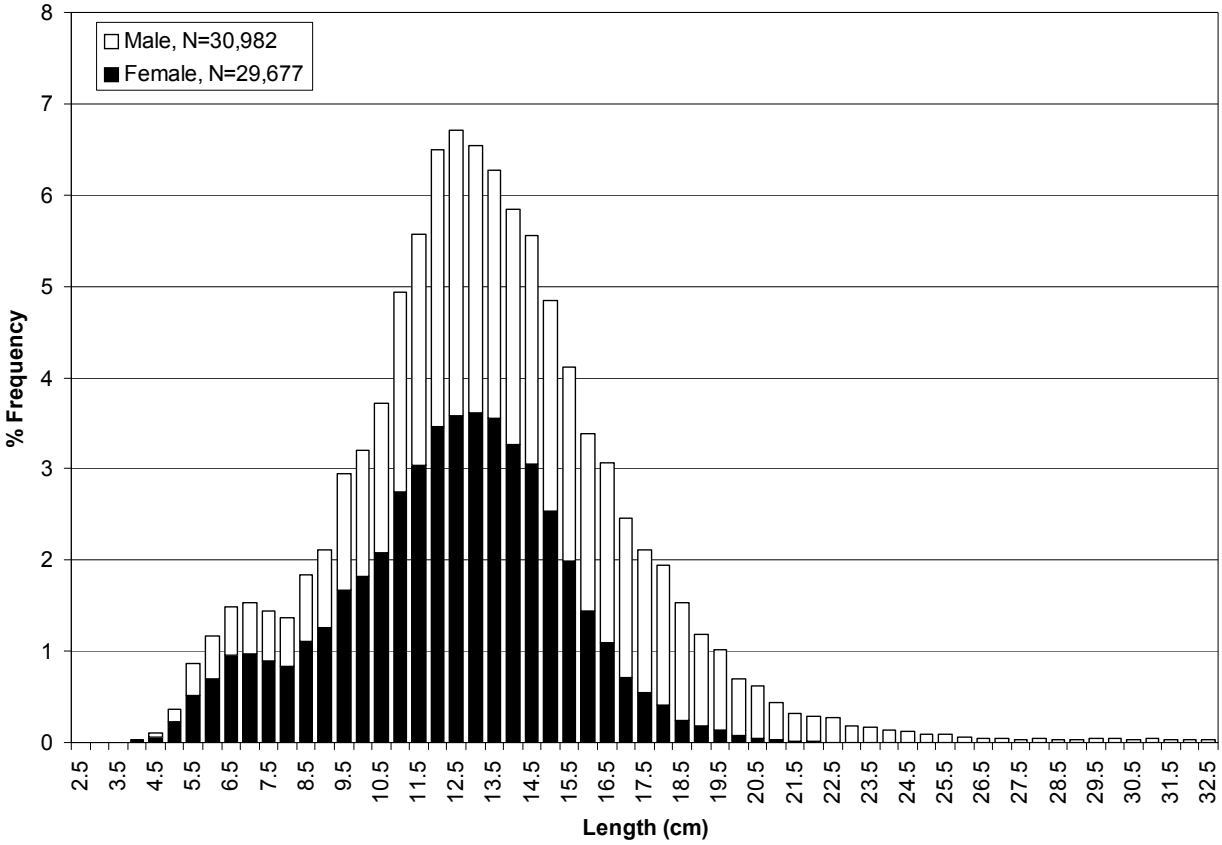
Length– frequency distribution and length-weight relationship during first season 2014

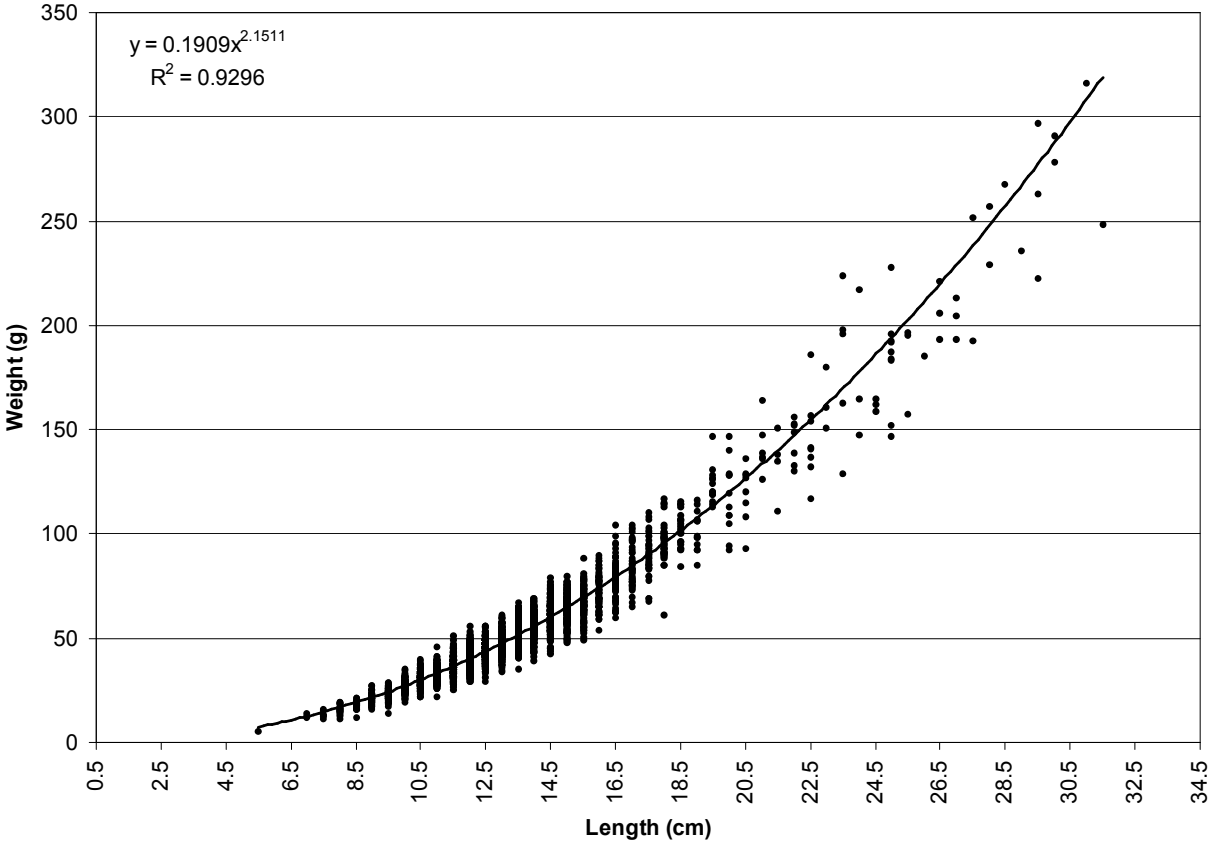


## *Doryteuthis gahi* - Falkland Calamari

Length– frequency distribution and length-weight relationship during second season 2014



## *Micromesistius australis* - Southern Blue Whiting

Table F.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **TR** | 17,047 | 20,532 | 22,204 | 13,209 | 10,395 | 6,471 | 3,940 | 1,596 | 2,698 | 3,612 |
| | **17,047** | **20,532** | **22,204** | **13,209** | **10,395** | **6,471** | **3,940** | **1,596** | **2,698** | **3,612** |

Table F.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 759 | 164 | 84 | 12 | 129 | 1,439 | 199 | 36 | 162 | - |
| **February** | 811 | 383 | 515 | 243 | 139 | 32 | 233 | 39 | 375 | 123 |
| **March** | 227 | 2,029 | 172 | 252 | 339 | 107 | 26 | 219 | 205 | 137 |
| **April** | 158 | 303 | 84 | 150 | 126 | 414 | 220 | 95 | 116 | 127 |
| **May** | 142 | 86 | 11 | 42 | 51 | 76 | 27 | 7 | 84 | - |
| **June** | 7 | 6 | - | - | 6 | 9 | 10 | 3 | 8 | 15 |
| **July** | 1 | - | 56 | 70 | 3 | 2 | 7 | 9 | 47 | 14 |
| **August** | 527 | 145 | 865 | 662 | 608 | 296 | 543 | 727 | 897 | 55 |
| **September** | 4,242 | 4,774 | 8,126 | 2,817 | 2,519 | 248 | 496 | 138 | 758 | 1,670 |
| **October** | 4,705 | 6,609 | 6,549 | 3,914 | 1,947 | 537 | 5 | 211 | 14 | 212 |
| **November** | 3,898 | 3,191 | 5,400 | 3,165 | 1,877 | 2,171 | 1,369 | 31 | 1 | 1,211 |
| **December** | 1,569 | 2,841 | 342 | 1,881 | 2,651 | 1,141 | 805 | 81 | 32 | 47 |
| | **17,047** | **20,532** | **22,204** | **13,209** | **10,395** | **6,471** | **3,940** | **1,596** | **2,698** | **3,612** |

Table F.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | 1,884 | 3,260 | 1,527 | - | - | - | - | - | 1,155 |
| **EE** | - | 13 | - | - | - | - | - | - | - | - |
| **ES** | 5,275 | 5,513 | 6,810 | 2,809 | 2,450 | 1,010 | 818 | 1,157 | 834 | 578 |
| **FK** | 1,676 | 1,773 | 3,074 | 1,753 | 1,670 | 375 | 764 | 412 | 1,669 | 1,795 |
| **JP** | 10,023 | 11,302 | 8,896 | 6,859 | 6,173 | 5,062 | 2,282 | 24 | - | - |
| **KR** | 44 | - | 96 | 237 | 1 | 24 | 31 | 3 | 32 | 2 |
| **UK** | 29 | 47 | 69 | 24 | 100 | 1 | 45 | 1 | 163 | 82 |
| | **17,047** | **20,532** | **22,204** | **13,209** | **10,395** | **6,471** | **3,940** | **1,596** | **2,698** | **3,612** |

## *Micromesistius australis* - Southern Blue Whiting

Table F.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | - | - | - | - | - | - | - | - | - | - |
| **600-799** | 279 | 448 | 940 | 606 | 250 | 347 | 65 | 165 | 127 | 29 |
| **800-999** | 471 | 181 | 1,037 | 353 | 728 | 269 | 145 | 152 | 299 | 171 |
| **1,000-1,499** | 4,139 | 2,293 | 3,135 | 1,462 | 841 | 244 | 204 | 225 | 703 | 810 |
| **1,500-1,999** | 1,650 | 4,352 | 4,762 | 3,155 | 2,290 | 518 | 1,018 | 873 | 864 | 455 |
| **2,000-2,999** | 486 | 72 | 174 | 773 | 113 | 31 | 226 | 158 | 705 | 991 |
| **>2,999** | 10,023 | 13,186 | 12,156 | 6,859 | 6,173 | 5,062 | 2,282 | 24 | - | 1,155 |
| | **17,047** | **20,532** | **22,204** | **13,209** | **10,395** | **6,471** | **3,940** | **1,596** | **2,698** | **3,612** |

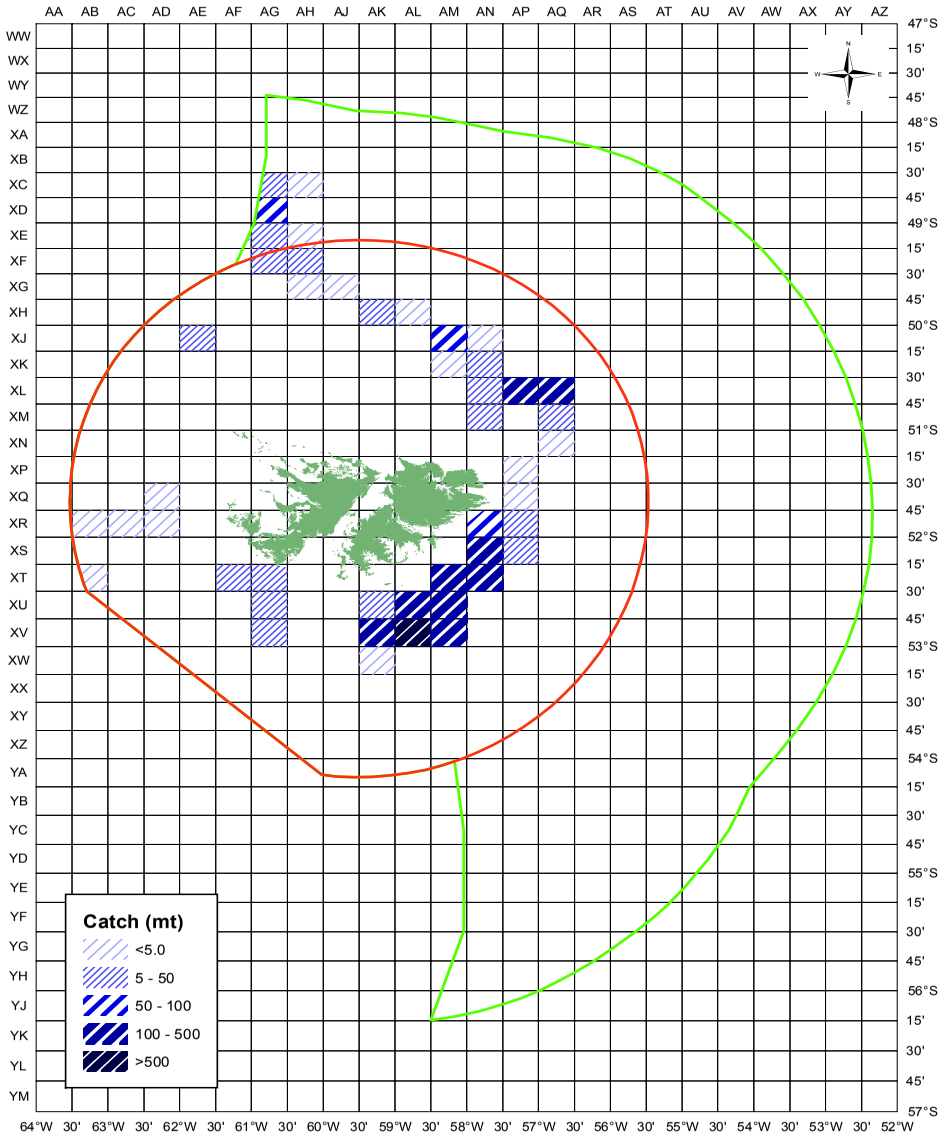
Table F.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 5 | 52 | 17 | 15 | 1 | - | - | - |
| **45-49** | 239 | 448 | 1,198 | 638 | 362 | 312 | 63 | 136 | 164 | 106 |
| **50-54** | 552 | 183 | 426 | 240 | 481 | 83 | 76 | 85 | 125 | 60 |
| **55-59** | 693 | 109 | 1,436 | 123 | 195 | 234 | 97 | 194 | 411 | 89 |
| **60-64** | 1,951 | 1,627 | 1,557 | 1,131 | 748 | 113 | 280 | 114 | 555 | 768 |
| **65-69** | 2,466 | 3,587 | 3,538 | 2,991 | 1,572 | 556 | 661 | 874 | 588 | 264 |
| **70-79** | 771 | 1,348 | 1,827 | 666 | 846 | 73 | 289 | 130 | 458 | 723 |
| **80-89** | 309 | 41 | 25 | 24 | - | 1 | 91 | 27 | 133 | 221 |
| **>89** | 10,064 | 13,188 | 12,192 | 7,345 | 6,173 | 5,084 | 2,384 | 35 | 265 | 1,381 |
| | **17,047** | **20,532** | **22,204** | **13,209** | **10,395** | **6,471** | **3,940** | **1,596** | **2,698** | **3,612** |

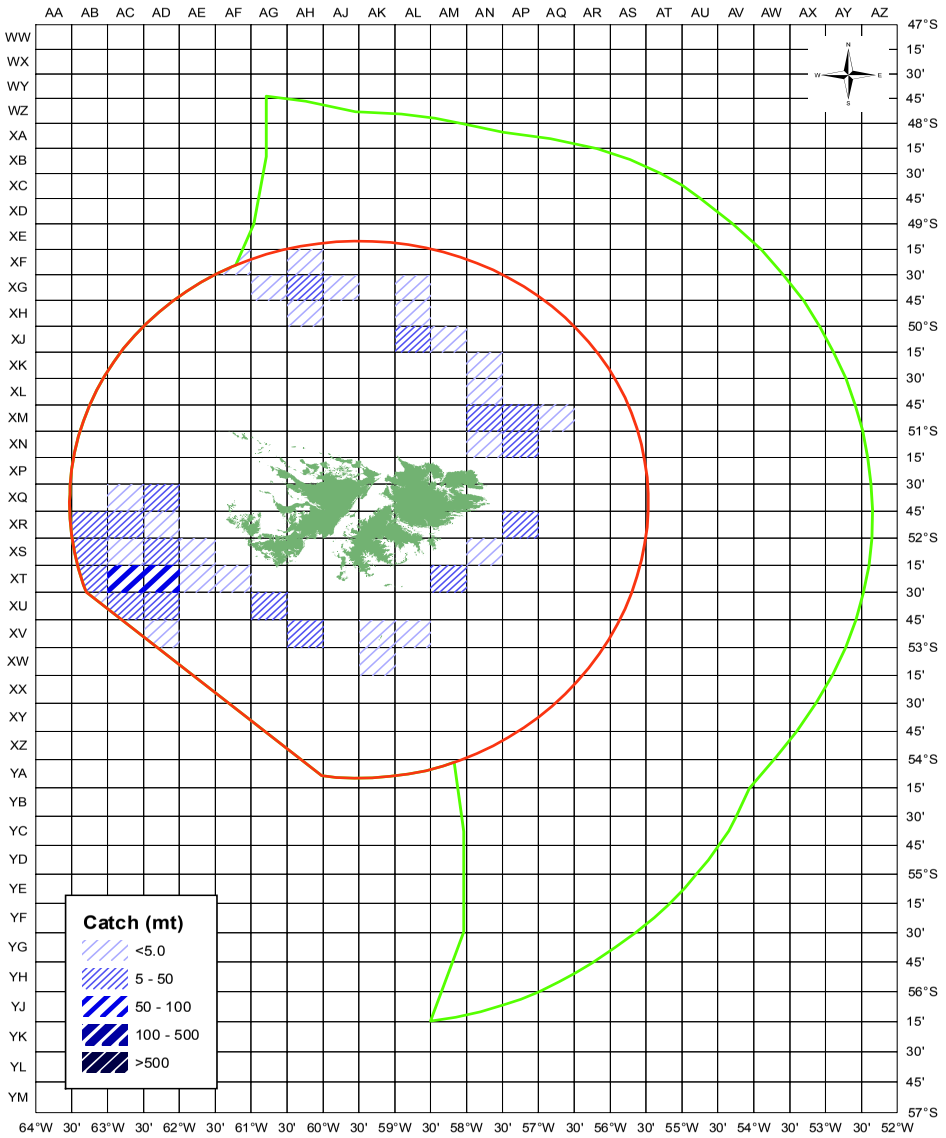
Table F.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | - | - |
| **1,000-1,199** | - | - | - | - | - | 15 | - | - | - | - |
| **1,200-1,399** | 66 | - | 3 | - | 5 | 51 | - | 14 | 4 | 1 |
| **1,400-1,599** | 603 | 546 | 1,637 | 682 | 897 | 451 | 158 | 249 | 260 | 92 |
| **1,600-1,799** | 843 | 575 | 536 | 193 | 92 | 79 | 9 | 72 | 70 | 70 |
| **1,800-1,999** | 3,233 | 3,682 | 4,363 | 1,512 | 1,618 | 646 | 674 | 956 | 709 | 478 |
| **2,000-2,499** | 1,722 | 2,414 | 3,165 | 2,916 | 1,386 | 113 | 496 | 89 | 651 | 727 |
| **2,500-2,999** | 79 | 2 | 132 | 722 | 1 | 44 | 133 | 33 | 350 | 240 |
| **3,000-3,999** | 438 | 75 | 182 | 288 | 213 | 9 | 78 | 120 | 470 | 626 |
| **>3,999** | 10,062 | 13,238 | 12,187 | 6,895 | 6,183 | 5,064 | 2,392 | 64 | 183 | 1,377 |
| | **17,047** | **20,532** | **22,204** | **13,209** | **10,395** | **6,471** | **3,940** | **1,596** | **2,698** | **3,612** |

*Micromesistius australis*
Second Season 2014 (01 Jul to 31 Dec)

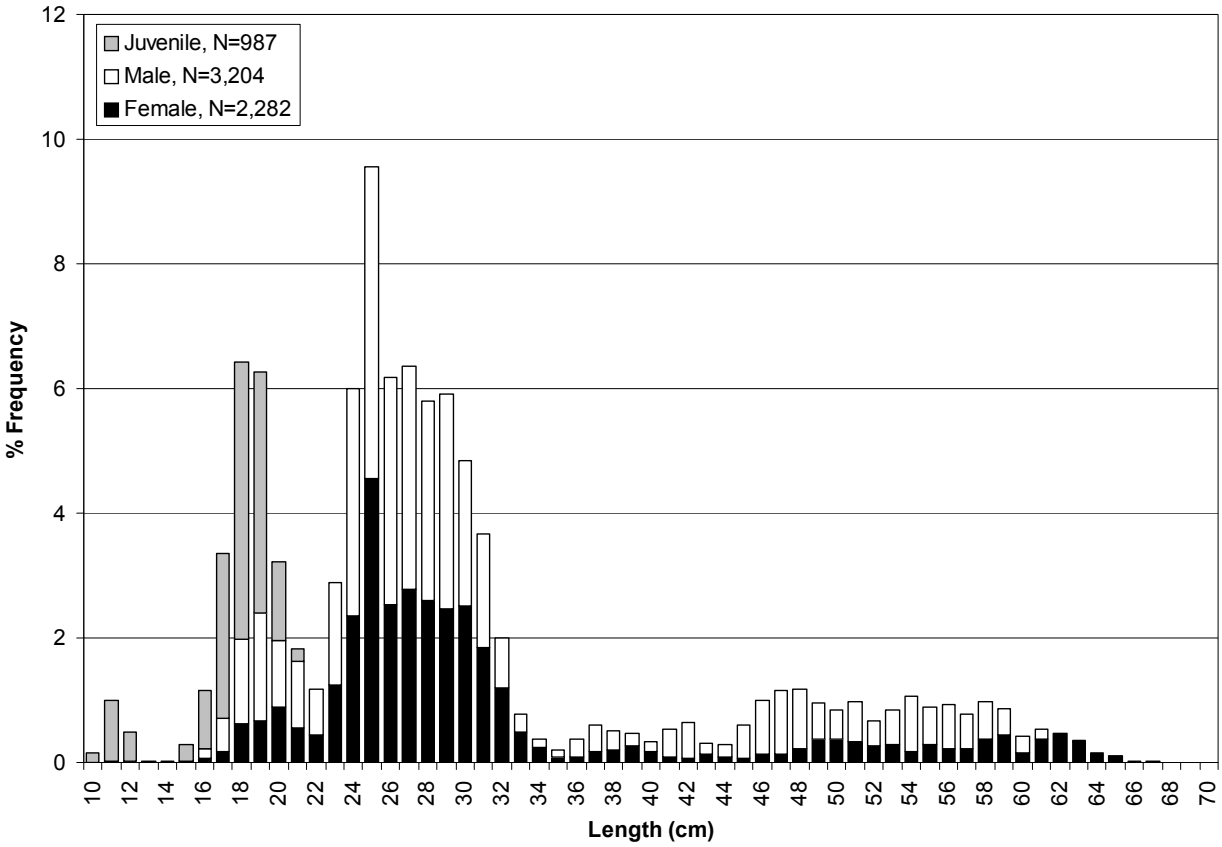


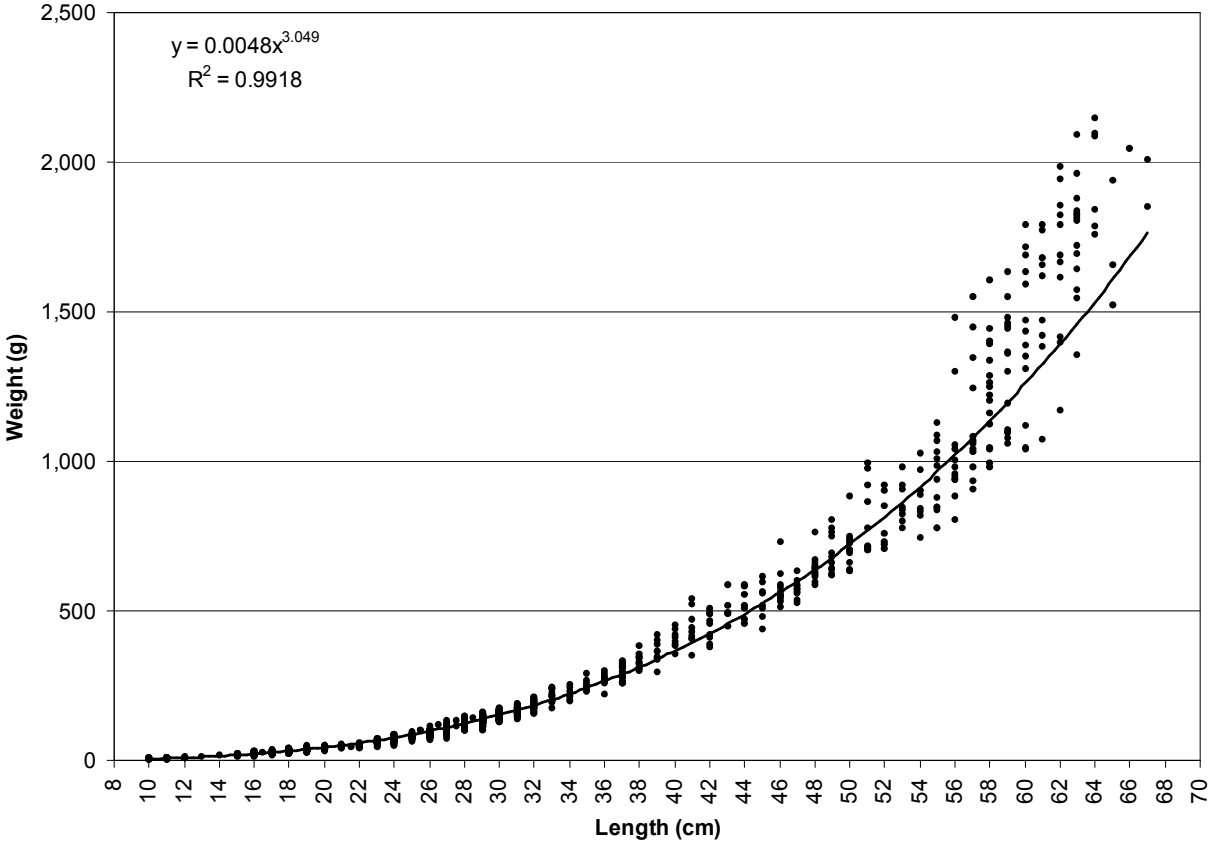

*Micromesistius australis*
First Season 2014 (01 Jan to 30 Jun)



## *Micromesistius australis* - Southern Blue Whiting

Length– frequency distribution and length-weight relationship in 2014



## *Macruronus magellanicus*—Hoki

Table G.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **LO** | - | 0 | - | - | - | - | - | - | - | - |
| **TR** | 16,723 | 19,769 | 16,669 | 15,908 | 23,403 | 19,227 | 22,979 | 15,867 | 16,849 | 7,390 |
| | **16,723** | **19,769** | **16,669** | **15,908** | **23,403** | **19,227** | **22,979** | **15,867** | **16,849** | **7,390** |

Table G.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 269 | 660 | 1,265 | 505 | 395 | 179 | 635 | 230 | 2,010 | - |
| **February** | 2,566 | 2,520 | 2,365 | 1,134 | 2,551 | 1,834 | 1,289 | 535 | 2,196 | 754 |
| **March** | 954 | 1,476 | 1,376 | 865 | 4,653 | 1,893 | 1,264 | 2,414 | 1,745 | 1,521 |
| **April** | 1,128 | 2,070 | 2,080 | 1,342 | 3,377 | 2,772 | 5,769 | 2,508 | 3,043 | 2,811 |
| **May** | 894 | 2,182 | 1,591 | 1,012 | 2,278 | 1,270 | 2,609 | 652 | 3,414 | 774 |
| **June** | 121 | 617 | 245 | 395 | 646 | 205 | 1,143 | 311 | 553 | 350 |
| **July** | 304 | 256 | 513 | 593 | 1,069 | 351 | 2,775 | 839 | 233 | 56 |
| **August** | 2,378 | 2,182 | 1,720 | 1,903 | 933 | 2,374 | 2,387 | 1,739 | 761 | 81 |
| **September** | 1,997 | 3,200 | 1,065 | 1,716 | 2,258 | 2,127 | 978 | 557 | 1,239 | 800 |
| **October** | 3,404 | 1,962 | 2,447 | 4,152 | 1,446 | 856 | 357 | 3,617 | 362 | 9 |
| **November** | 1,756 | 2,086 | 1,580 | 1,560 | 2,911 | 4,125 | 1,082 | 2,183 | 1,091 | 229 |
| **December** | 951 | 558 | 422 | 730 | 885 | 1,239 | 2,690 | 283 | 203 | 6 |
| | **16,723** | **19,769** | **16,669** | **15,908** | **23,403** | **19,227** | **22,979** | **15,867** | **16,849** | **7,390** |

Table G.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | 247 | 343 | 114 | - | - | - | - | - | 207 |
| **EE** | - | 253 | - | - | - | - | - | - | - | - |
| **ES** | 9,016 | 12,129 | 10,350 | 9,386 | 15,176 | 13,511 | 15,867 | 11,628 | 11,569 | 5,273 |
| **FK** | 5,788 | 6,091 | 5,065 | 4,135 | 5,994 | 4,033 | 3,808 | 3,433 | 4,755 | 1,889 |
| **JP** | 1,203 | 743 | 141 | 1,956 | 1,267 | 917 | 2,457 | 85 | - | - |
| **KR** | 693 | 171 | 600 | 249 | 792 | 667 | 594 | 712 | 481 | 20 |
| **PA** | - | - | 4 | - | - | - | - | - | - | - |
| **UK** | 23 | 135 | 166 | 69 | 174 | 98 | 253 | 10 | 45 | 1 |
| | **16,723** | **19,769** | **16,669** | **15,908** | **23,403** | **19,227** | **22,979** | **15,867** | **16,849** | **7,390** |

Table G.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 27 | 32 | - | - | - | - | - | - | - | - |
| **600-799** | 1,136 | 1,415 | 2,426 | 1,934 | 3,528 | 2,795 | 2,714 | 2,568 | 1,478 | 497 |
| **800-999** | 3,317 | 3,031 | 2,948 | 2,004 | 5,217 | 3,580 | 3,477 | 4,106 | 3,238 | 1,634 |
| **1,000-1,499** | 8,354 | 10,674 | 7,774 | 5,714 | 8,887 | 7,474 | 8,618 | 6,816 | 9,546 | 3,475 |
| **1,500-1,999** | 1,879 | 3,143 | 2,750 | 3,917 | 4,166 | 4,223 | 5,480 | 2,097 | 2,371 | 1,566 |
| **2,000-2,999** | 807 | 484 | 287 | 383 | 339 | 237 | 221 | 100 | 214 | 8 |
| **>2,999** | 1,203 | 990 | 484 | 1,956 | 1,267 | 917 | 2,469 | 181 | 2 | 210 |
| | **16,723** | **19,769** | **16,669** | **15,908** | **23,403** | **19,227** | **22,979** | **15,867** | **16,849** | **7,390** |

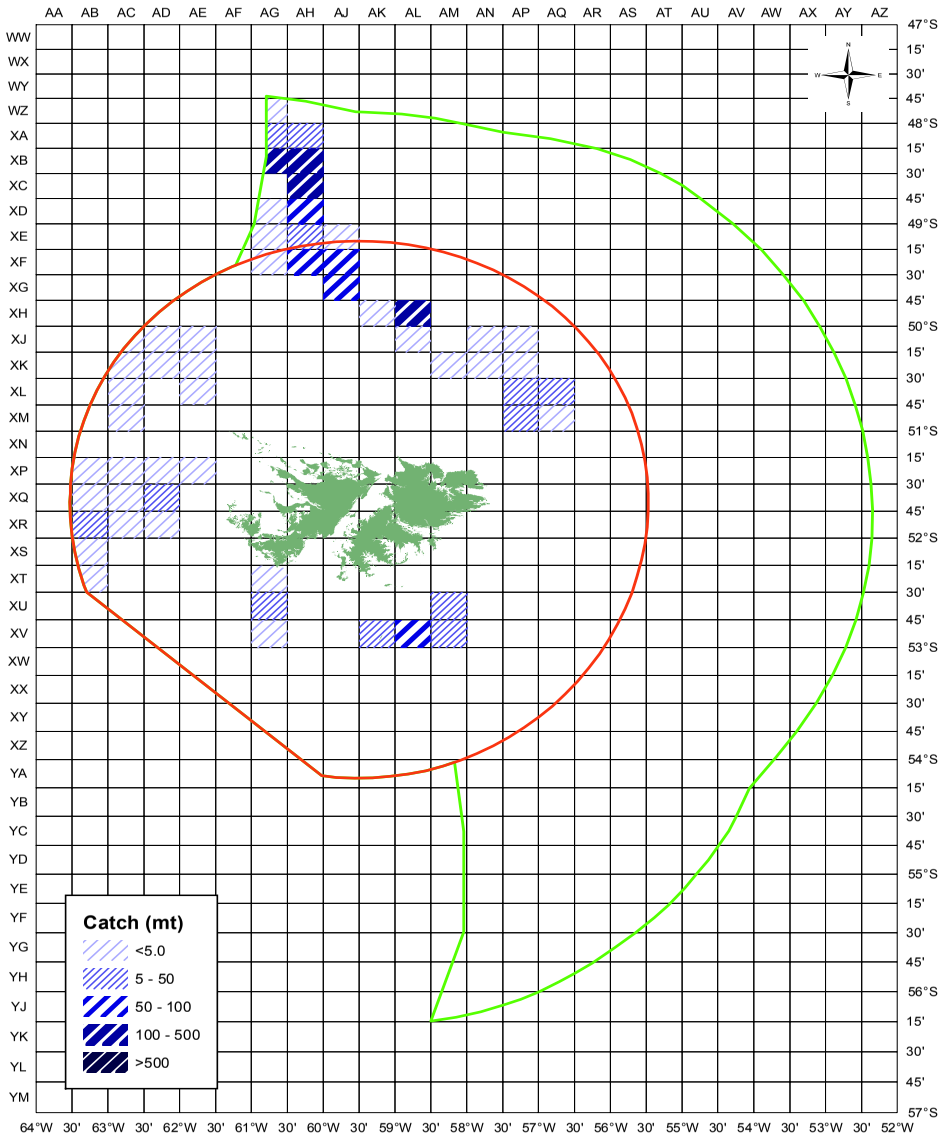
Table G.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 293 | 544 | 737 | 155 | 217 | - | - | - |
| **45-49** | 1,626 | 1,843 | 3,120 | 2,419 | 3,768 | 2,309 | 1,732 | 2,036 | 1,358 | 335 |
| **50-54** | 3,241 | 2,180 | 1,906 | 649 | 2,016 | 1,923 | 2,215 | 2,894 | 2,014 | 1,309 |
| **55-59** | 2,524 | 2,883 | 1,818 | 1,456 | 4,049 | 3,485 | 3,548 | 3,291 | 4,132 | 937 |
| **60-64** | 2,952 | 5,042 | 2,854 | 3,715 | 5,224 | 3,585 | 5,560 | 3,726 | 4,497 | 1,718 |
| **65-69** | 4,046 | 4,613 | 3,893 | 2,583 | 2,896 | 3,276 | 4,082 | 1,782 | 2,592 | 2,081 |
| **70-79** | 564 | 1,919 | 2,212 | 2,466 | 3,326 | 3,462 | 3,066 | 1,933 | 2,198 | 800 |
| **80-89** | 560 | 236 | 48 | 67 | 85 | 27 | 27 | 21 | 31 | 1 |
| **>89** | 1,209 | 1,053 | 526 | 2,008 | 1,301 | 1,004 | 2,532 | 183 | 26 | 210 |
| | **16,723** | **19,769** | **16,669** | **15,908** | **23,403** | **19,227** | **22,979** | **15,867** | **16,849** | **7,390** |

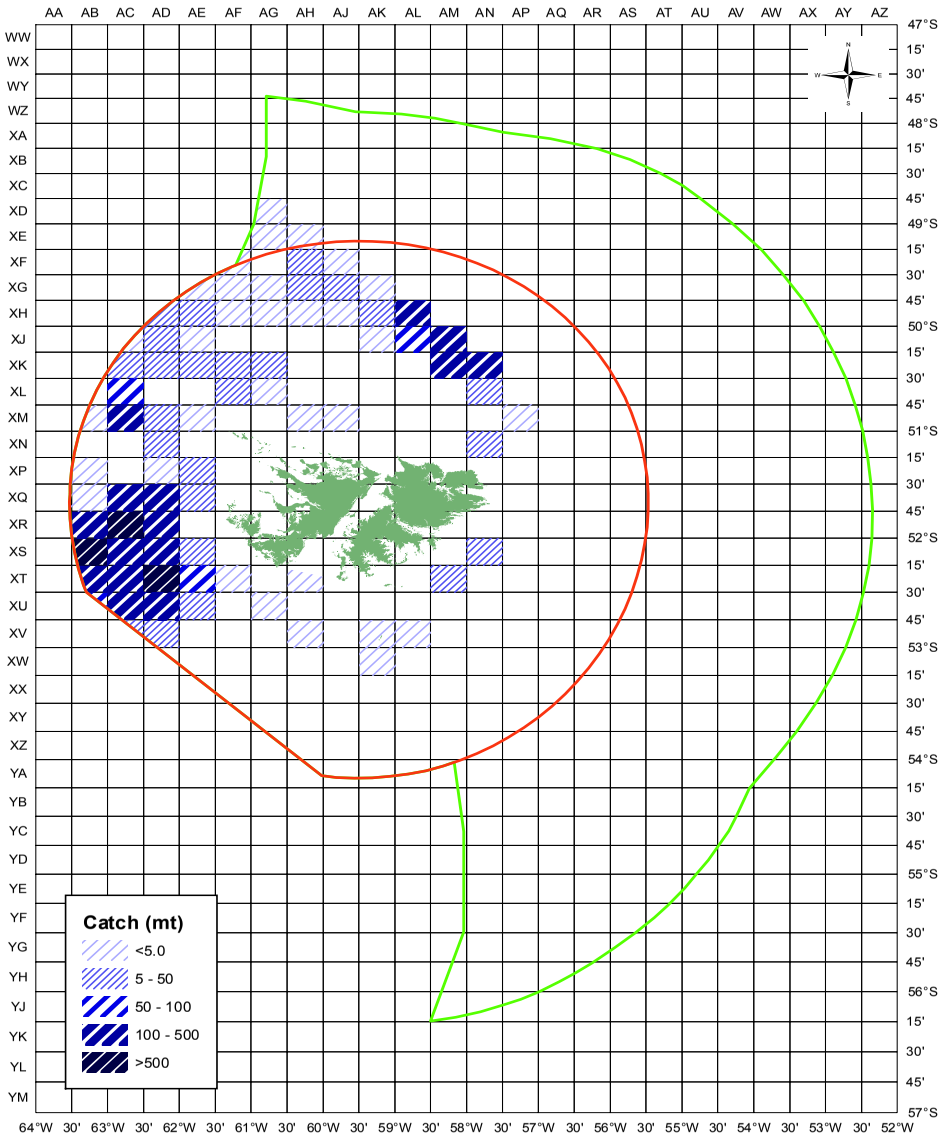
Table G.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | - | - |
| **1,000-1,199** | - | - | - | - | - | 155 | 54 | - | - | - |
| **1,200-1,399** | 388 | 163 | 271 | 191 | 453 | 442 | 310 | 327 | 276 | 67 |
| **1,400-1,599** | 3,363 | 3,493 | 4,129 | 2,826 | 6,722 | 3,441 | 3,264 | 4,216 | 3,263 | 1,704 |
| **1,600-1,799** | 1,029 | 2,400 | 1,349 | 1,310 | 1,882 | 2,997 | 2,253 | 1,089 | 1,611 | 688 |
| **1,800-1,999** | 7,103 | 7,572 | 4,602 | 3,791 | 4,854 | 5,385 | 6,899 | 4,248 | 5,661 | 2,113 |
| **2,000-2,499** | 2,290 | 4,356 | 4,788 | 5,134 | 6,955 | 4,982 | 6,352 | 4,101 | 4,837 | 2,256 |
| **2,500-2,999** | 512 | 217 | 593 | 291 | 790 | 637 | 937 | 1,594 | 964 | 345 |
| **3,000-3,999** | 746 | 518 | 364 | 332 | 393 | 221 | 397 | 182 | 205 | 10 |
| **>3,999** | 1,290 | 1,050 | 574 | 2,033 | 1,353 | 965 | 2,513 | 109 | 31 | 208 |
| | **16,723** | **19,769** | **16,669** | **15,908** | **23,403** | **19,227** | **22,979** | **15,867** | **16,849** | **7,390** |

*Macruronus magellanicus*
Second Season 2014 (01 Jul to 31 Dec)

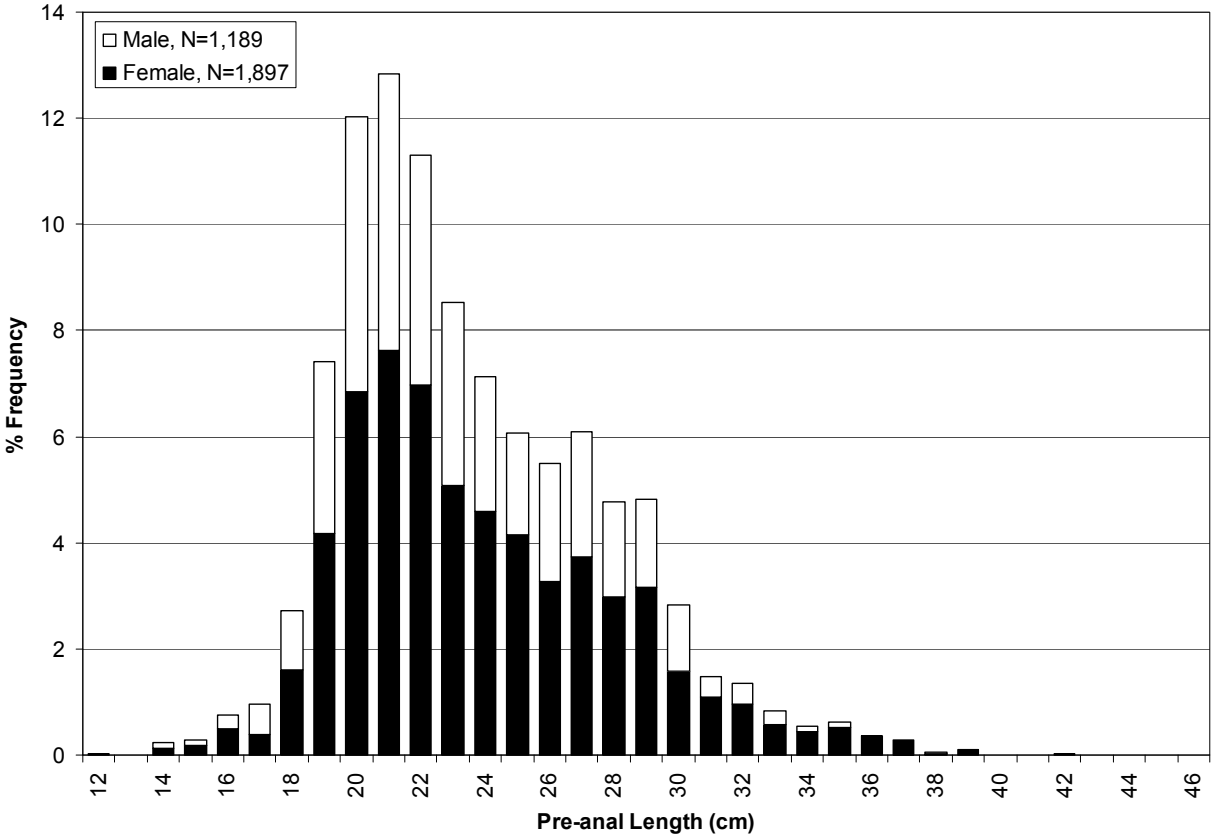


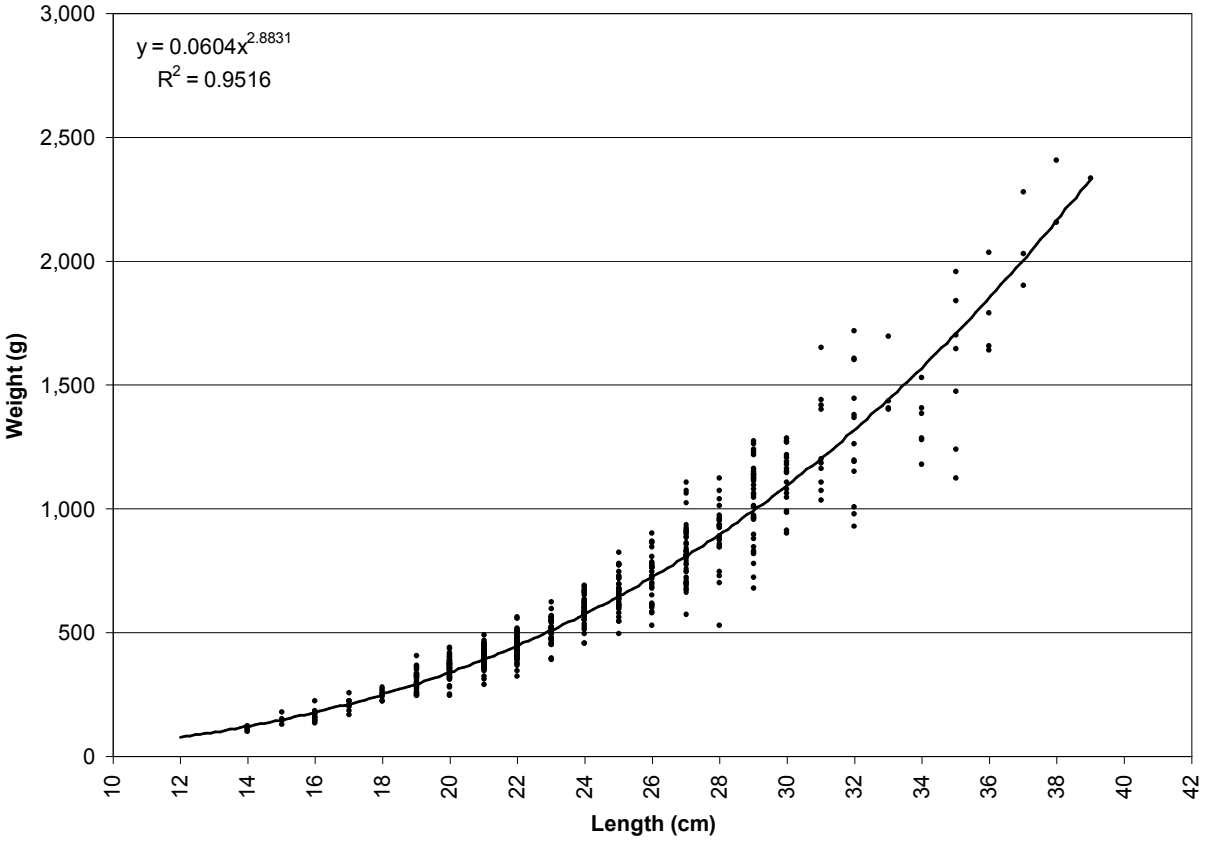

*Macruronus magellanicus*
First Season 2014 (01 Jan to 30 Jun)



## *Macruronus magellanicus*—Hoki

Length– frequency distribution and length-weight relationship in trawler fleet in 2014



## *Salilota australis* - Red cod

Table H.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **LO** | - | 6 | - | - | - | - | - | - | 0 | - |
| **TR** | 2,467 | 3,466 | 5,195 | 4,076 | 5,120 | 3,129 | 4,210 | 4,629 | 5,164 | 3,464 |
| | **2,467** | **3,472** | **5,195** | **4,076** | **5,120** | **3,129** | **4,210** | **4,629** | **5,164** | **3,464** |

Table H.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 4 | 73 | 82 | 110 | 148 | 29 | 100 | 62 | 215 | - |
| **February** | 202 | 222 | 290 | 189 | 328 | 193 | 236 | 351 | 480 | 114 |
| **March** | 62 | 215 | 423 | 506 | 530 | 387 | 157 | 341 | 311 | 221 |
| **April** | 114 | 558 | 502 | 350 | 480 | 649 | 438 | 340 | 325 | 475 |
| **May** | 149 | 290 | 504 | 426 | 603 | 215 | 749 | 370 | 514 | 768 |
| **June** | 36 | 59 | 77 | 59 | 159 | 69 | 213 | 125 | 77 | 398 |
| **July** | 96 | 196 | 338 | 101 | 214 | 75 | 309 | 150 | 162 | 134 |
| **August** | 492 | 571 | 905 | 421 | 669 | 361 | 605 | 656 | 1,199 | 376 |
| **September** | 676 | 625 | 1,043 | 987 | 662 | 340 | 474 | 580 | 1,299 | 195 |
| **October** | 337 | 459 | 770 | 668 | 819 | 284 | 273 | 615 | 283 | 532 |
| **November** | 248 | 164 | 234 | 189 | 378 | 321 | 436 | 626 | 230 | 189 |
| **December** | 50 | 41 | 27 | 71 | 131 | 207 | 221 | 411 | 68 | 63 |
| | **2,467** | **3,472** | **5,195** | **4,076** | **5,120** | **3,129** | **4,210** | **4,629** | **5,164** | **3,464** |

Table H.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **EE** | - | 84 | - | - | - | - | - | - | - | - |
| **ES** | 1,580 | 2,249 | 3,997 | 3,140 | 3,778 | 2,267 | 2,851 | 3,441 | 3,592 | 2,527 |
| **FK** | 746 | 1,047 | 1,127 | 900 | 1,308 | 801 | 1,316 | 1,167 | 1,522 | 874 |
| **JP** | 0 | 0 | 1 | - | 0 | 0 | 0 | - | - | - |
| **KR** | 124 | 60 | 49 | 17 | 11 | 19 | 6 | 16 | 33 | 57 |
| **UK** | 17 | 31 | 22 | 20 | 23 | 41 | 36 | 5 | 17 | 4 |
| | **2,467** | **3,472** | **5,195** | **4,076** | **5,120** | **3,129** | **4,210** | **4,629** | **5,164** | **3,464** |

## *Salilota australis* - Red cod

Table H.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 14 | 4 | - | - | - | - | - | - | - | - |
| **600-799** | 67 | 212 | 652 | 467 | 598 | 327 | 484 | 633 | 467 | 508 |
| **800-999** | 316 | 463 | 977 | 749 | 776 | 524 | 632 | 750 | 610 | 600 |
| **1,000-1,499** | 1,297 | 1,609 | 1,939 | 1,164 | 1,881 | 1,218 | 1,715 | 1,955 | 2,728 | 1,396 |
| **1,500-1,999** | 589 | 1,065 | 1,574 | 1,535 | 1,734 | 996 | 1,254 | 1,202 | 1,111 | 880 |
| **2,000-2,999** | 184 | 118 | 52 | 161 | 131 | 64 | 124 | 89 | 248 | 77 |
| **>2,999** | 0 | 0 | 1 | - | 0 | 0 | 0 | - | - | 2 |
| | **2,467** | **3,472** | **5,195** | **4,076** | **5,120** | **3,129** | **4,210** | **4,629** | **5,164** | **3,464** |

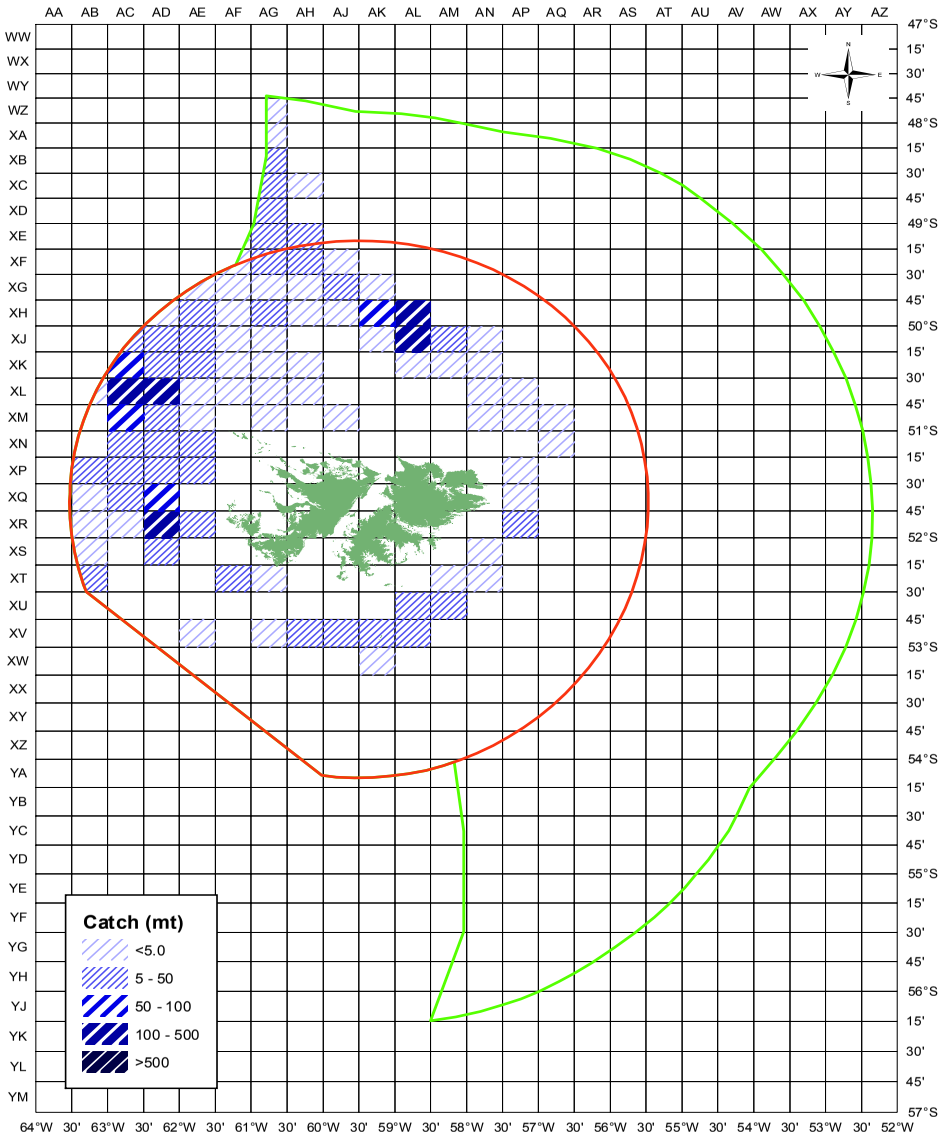
Table H.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 244 | 235 | 145 | 17 | 78 | - | 9 | 3 |
| **45-49** | 101 | 352 | 802 | 656 | 555 | 291 | 339 | 578 | 403 | 453 |
| **50-54** | 348 | 429 | 416 | 182 | 246 | 220 | 353 | 488 | 475 | 478 |
| **55-59** | 259 | 458 | 665 | 401 | 805 | 710 | 962 | 899 | 843 | 411 |
| **60-64** | 514 | 464 | 853 | 592 | 1,222 | 506 | 890 | 996 | 1,636 | 852 |
| **65-69** | 992 | 1,446 | 1,669 | 1,318 | 1,434 | 1,057 | 1,178 | 1,268 | 1,048 | 766 |
| **70-79** | 123 | 255 | 518 | 616 | 648 | 304 | 350 | 329 | 628 | 476 |
| **80-89** | 121 | 57 | 20 | 42 | 12 | 4 | 4 | 2 | 20 | 16 |
| **>89** | 9 | 10 | 9 | 34 | 53 | 19 | 55 | 68 | 103 | 9 |
| | **2,467** | **3,472** | **5,195** | **4,076** | **5,120** | **3,129** | **4,210** | **4,629** | **5,164** | **3,464** |

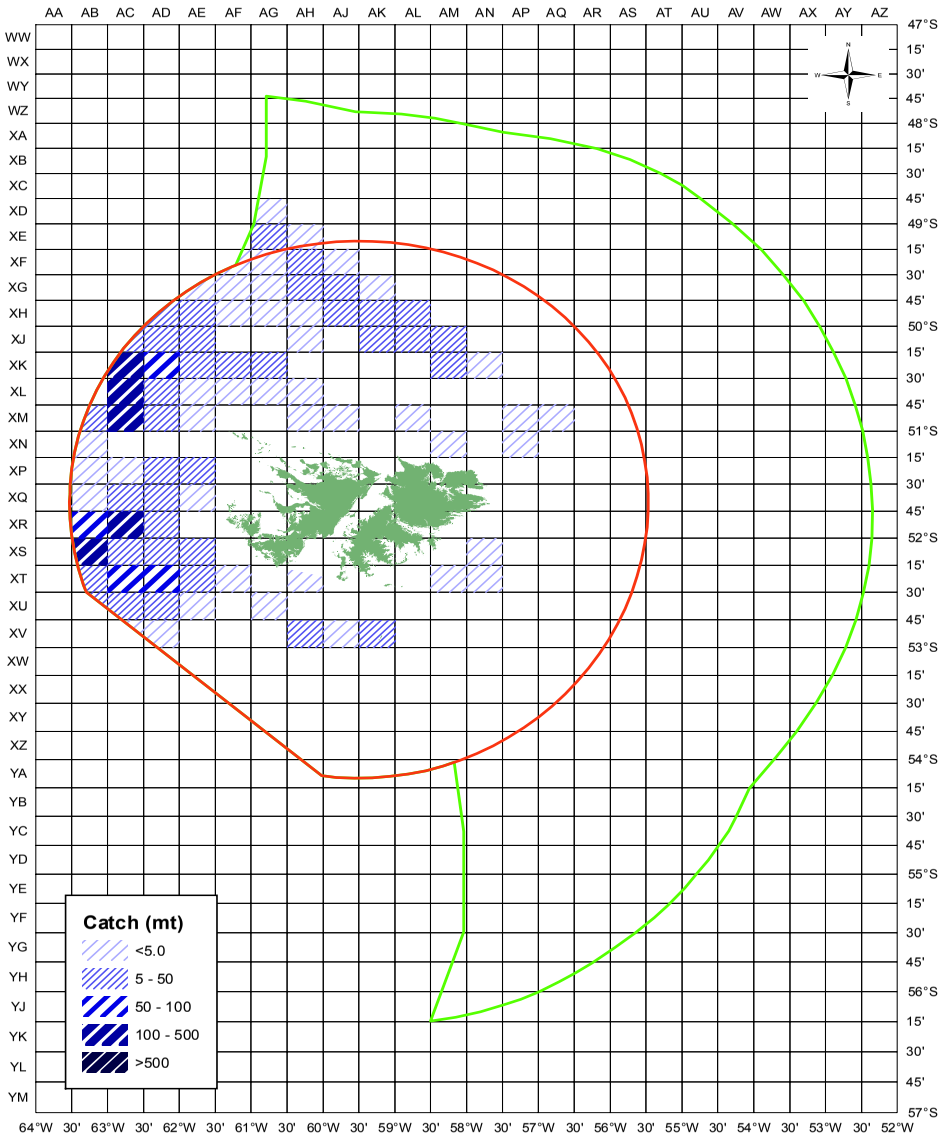
Table H.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | 5 | - |
| **1,000-1,199** | - | - | - | - | - | 17 | 22 | - | 9 | 3 |
| **1,200-1,399** | 4 | 51 | 112 | 40 | 83 | 58 | 89 | 100 | 77 | 54 |
| **1,400-1,599** | 326 | 713 | 1,280 | 933 | 851 | 448 | 749 | 934 | 744 | 800 |
| **1,600-1,799** | 115 | 221 | 539 | 367 | 529 | 451 | 419 | 358 | 359 | 279 |
| **1,800-1,999** | 1,308 | 1,661 | 2,132 | 1,603 | 1,827 | 1,346 | 1,710 | 2,082 | 1,800 | 1,015 |
| **2,000-2,499** | 406 | 612 | 1,008 | 932 | 1,657 | 676 | 1,011 | 825 | 1,696 | 1,021 |
| **2,500-2,999** | 112 | 66 | 57 | 51 | 63 | 33 | 102 | 303 | 303 | 215 |
| **3,000-3,999** | 152 | 116 | 46 | 105 | 88 | 82 | 101 | 23 | 142 | 60 |
| **>3,999** | 43 | 31 | 20 | 46 | 20 | 17 | 7 | 4 | 29 | 17 |
| | **2,467** | **3,472** | **5,195** | **4,076** | **5,120** | **3,129** | **4,210** | **4,629** | **5,164** | **3,464** |

*Salilota australis*
Second Season 2014 (01 Jul to 31 Dec)

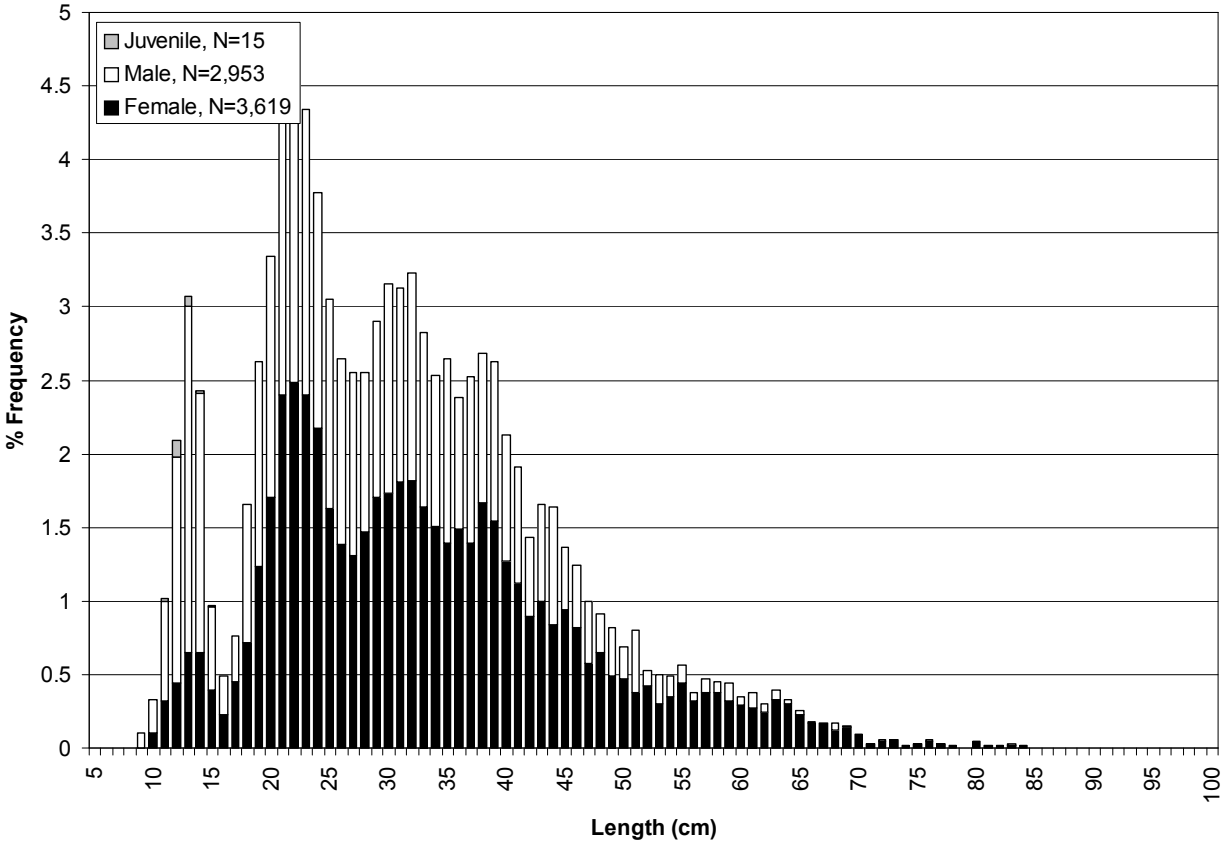


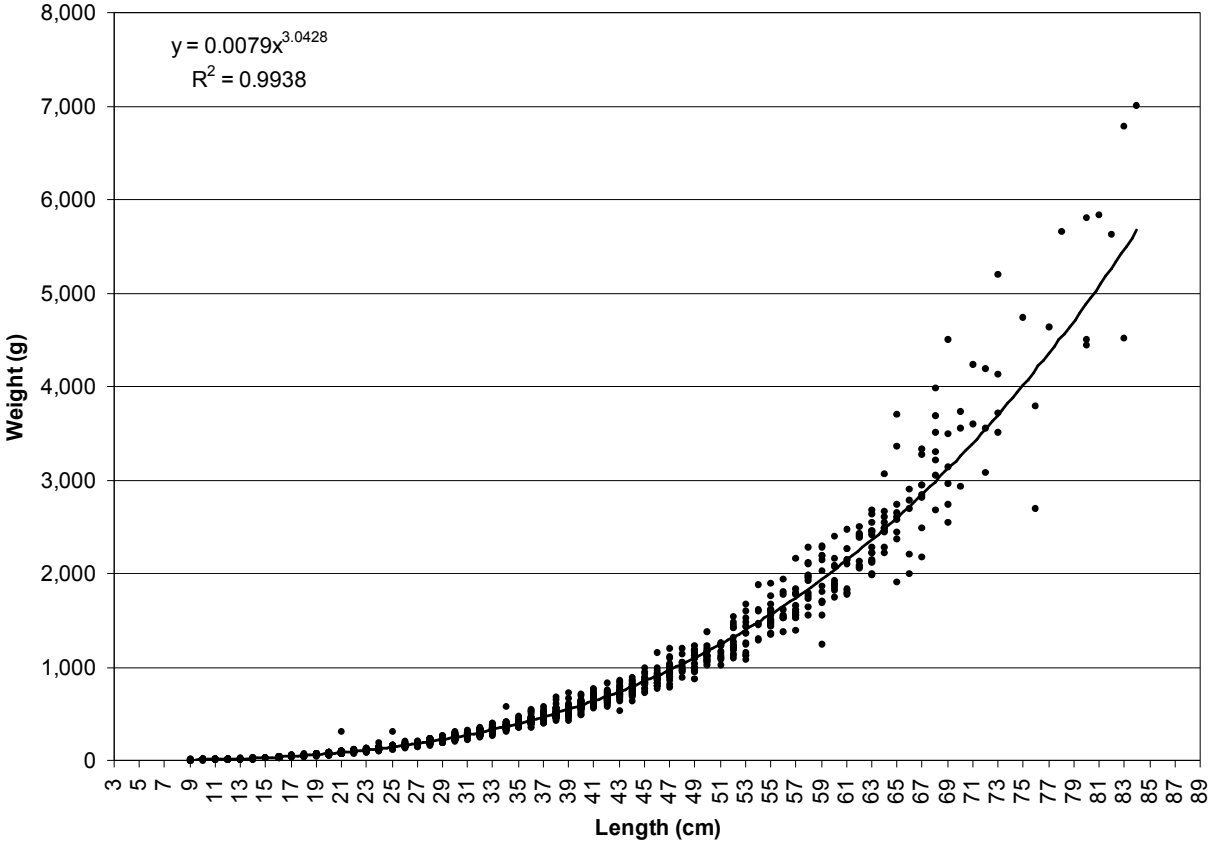

*Salilota australis*
First Season 2014 (01 Jan to 30 Jun)



## *Salilota australis* - Red cod

Length– frequency distribution and length-weight relationship in trawler fleet in 2014



## *Merluccius* spp - Hakes

Table I.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Longliner** | - | 5 | - | - | - | - | - | - | 0 | - |
| **Trawler** | 2,735 | 8,428 | 11,909 | 8,806 | 13,049 | 13,606 | 9,904 | 10,489 | 12,308 | 14,861 |
| | **2,735** | **8,433** | **11,909** | **8,806** | **13,049** | **13,606** | **9,904** | **10,489** | **12,308** | **14,861** |

Table I.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | - | 7 | 31 | 4 | 38 | 3 | 12 | 4 | 56 | - |
| **February** | 81 | 254 | 215 | 68 | 152 | 106 | 199 | 65 | 166 | 30 |
| **March** | 65 | 267 | 556 | 356 | 474 | 873 | 260 | 517 | 232 | 224 |
| **April** | 168 | 1,098 | 1,089 | 1,115 | 2,059 | 2,492 | 2,005 | 1,388 | 1,169 | 678 |
| **May** | 318 | 1,002 | 3,134 | 2,078 | 2,667 | 2,584 | 1,947 | 1,895 | 1,615 | 3,156 |
| **June** | 41 | 130 | 2,321 | 1,372 | 1,044 | 773 | 726 | 1,125 | 1,129 | 2,505 |
| **July** | 163 | 415 | 1,975 | 970 | 1,238 | 1,340 | 858 | 946 | 1,225 | 2,066 |
| **August** | 698 | 2,051 | 1,879 | 1,161 | 1,413 | 2,245 | 1,145 | 2,473 | 2,460 | 2,715 |
| **September** | 854 | 1,906 | 462 | 766 | 2,340 | 2,145 | 1,598 | 1,260 | 2,638 | 2,432 |
| **October** | 277 | 959 | 201 | 794 | 1,488 | 853 | 930 | 644 | 1,480 | 862 |
| **November** | 68 | 329 | 42 | 113 | 131 | 168 | 201 | 151 | 135 | 189 |
| **December** | 2 | 16 | 2 | 10 | 5 | 23 | 22 | 21 | 4 | 3 |
| | **2,735** | **8,433** | **11,909** | **8,806** | **13,049** | **13,606** | **9,904** | **10,489** | **12,308** | **14,861** |

Table I.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | - | - | - | - | - | - | - | - | 0 |
| **EE** | - | 66 | - | - | - | - | - | - | - | - |
| **ES** | 1,388 | 4,832 | 7,604 | 5,327 | 8,036 | 8,459 | 5,987 | 6,950 | 7,245 | 10,450 |
| **FK** | 1,003 | 3,038 | 4,022 | 3,021 | 4,696 | 4,565 | 3,506 | 3,185 | 4,884 | 4,196 |
| **JP** | 0 | - | - | 0 | - | 0 | 1 | - | - | - |
| **KR** | 309 | 394 | 163 | 118 | 90 | 181 | 221 | 283 | 130 | 159 |
| **UK** | 35 | 103 | 120 | 341 | 228 | 401 | 190 | 71 | 50 | 56 |
| | **2,735** | **8,433** | **11,909** | **8,806** | **13,049** | **13,606** | **9,904** | **10,489** | **12,308** | **14,861** |

## *Merluccius* spp - Hakes

Table I.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 21 | 33 | - | - | - | - | - | - | - | - |
| **600-799** | 362 | 852 | 1,199 | 872 | 1,211 | 1,439 | 1,138 | 1,178 | 1,251 | 1,815 |
| **800-999** | 690 | 2,164 | 2,059 | 1,251 | 1,982 | 1,546 | 1,116 | 1,114 | 1,715 | 2,055 |
| **1,000-1,499** | 1,368 | 4,322 | 5,760 | 4,613 | 6,827 | 7,743 | 5,703 | 6,663 | 7,399 | 7,912 |
| **1,500-1,999** | 199 | 955 | 2,346 | 1,742 | 2,523 | 2,625 | 1,832 | 1,410 | 1,866 | 3,030 |
| **2,000-2,999** | 96 | 108 | 545 | 328 | 505 | 253 | 90 | 42 | 70 | 41 |
| **>2,999** | 0 | - | - | 0 | - | 0 | 25 | 81 | 7 | 7 |
| | **2,735** | **8,433** | **11,909** | **8,806** | **13,049** | **13,606** | **9,904** | **10,489** | **12,308** | **14,861** |

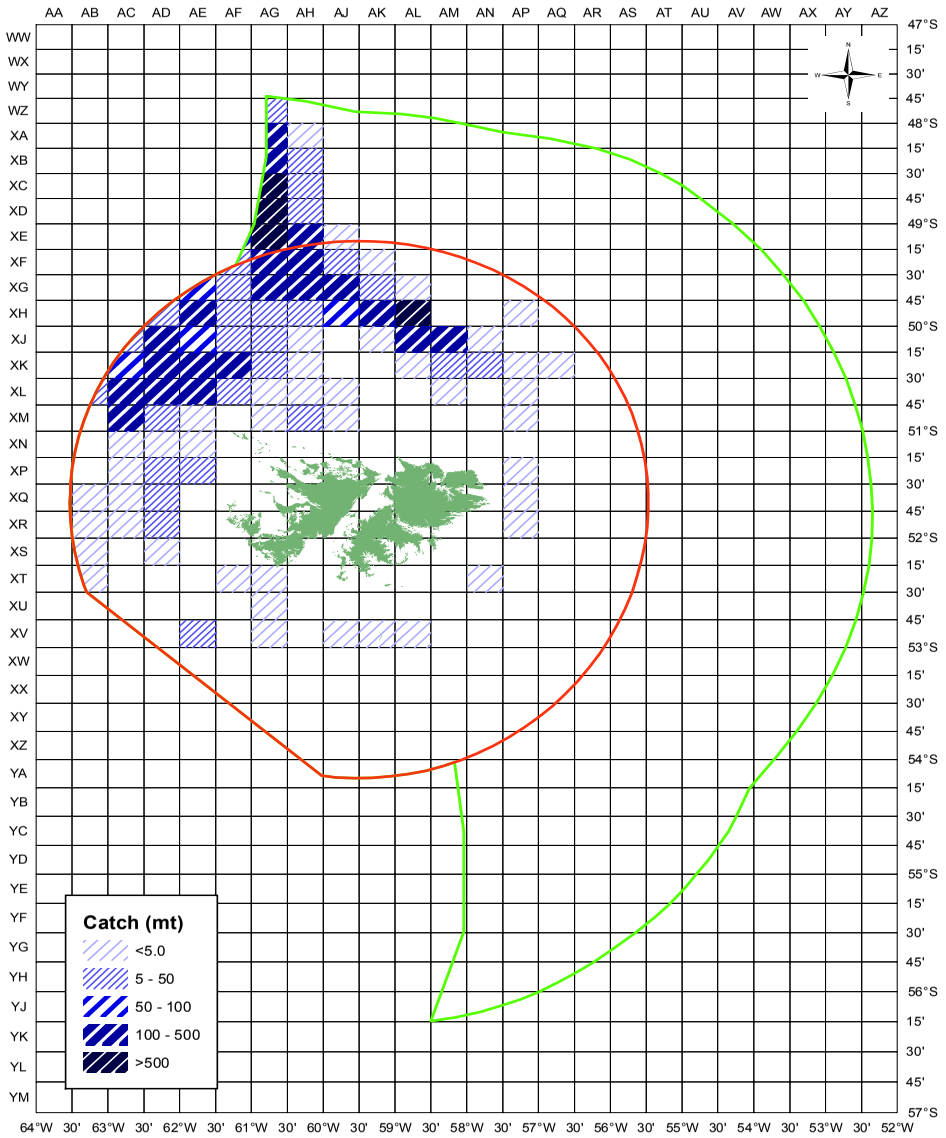
Table I.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 49 | 188 | 270 | 5 | 165 | - | 6 | 15 |
| **45-49** | 674 | 1,829 | 1,782 | 1,283 | 2,232 | 1,544 | 1,171 | 1,102 | 1,579 | 1,826 |
| **50-54** | 401 | 1,076 | 1,756 | 448 | 334 | 673 | 552 | 941 | 1,045 | 1,512 |
| **55-59** | 639 | 2,021 | 2,520 | 2,678 | 3,616 | 3,822 | 2,996 | 3,335 | 4,429 | 3,322 |
| **60-64** | 397 | 1,446 | 1,685 | 1,542 | 2,539 | 2,574 | 2,093 | 2,334 | 2,389 | 4,164 |
| **65-69** | 500 | 1,561 | 3,024 | 1,838 | 1,631 | 2,600 | 1,642 | 1,547 | 1,226 | 1,974 |
| **70-79** | 46 | 446 | 1,088 | 801 | 2,388 | 2,386 | 1,248 | 1,108 | 1,625 | 2,042 |
| **80-89** | 77 | 55 | 5 | 13 | 20 | 2 | 6 | 39 | 1 | 0 |
| **>89** | 0 | 1 | 0 | 15 | 20 | 0 | 31 | 83 | 9 | 7 |
| | **2,735** | **8,433** | **11,909** | **8,806** | **13,049** | **13,606** | **9,904** | **10,489** | **12,308** | **14,861** |

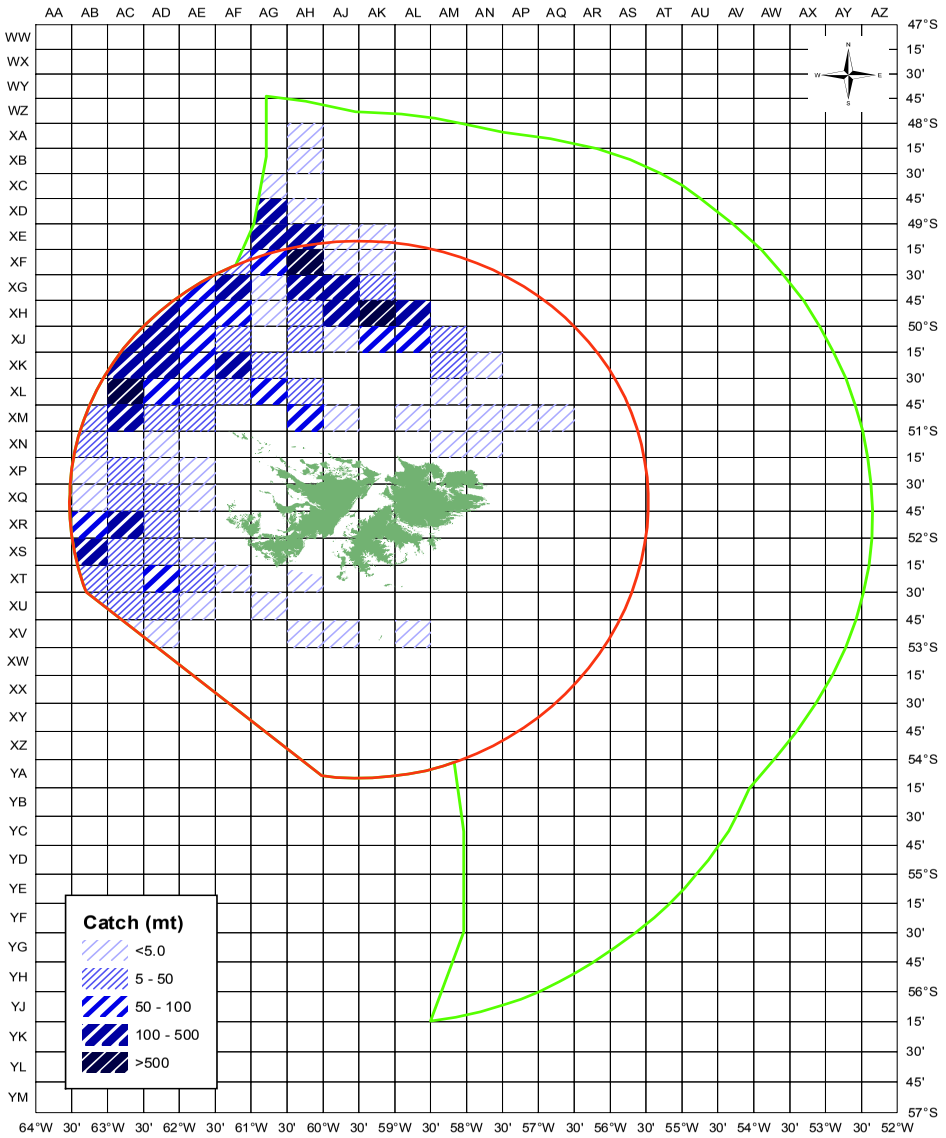
Table I.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | - | - |
| **1,000-1,199** | - | - | - | - | - | 5 | 54 | - | 6 | 15 |
| **1,200-1,399** | 102 | 236 | 56 | 202 | 173 | 326 | 128 | 307 | 405 | 338 |
| **1,400-1,599** | 750 | 1,867 | 2,777 | 1,109 | 1,684 | 1,302 | 1,165 | 1,340 | 1,690 | 2,735 |
| **1,600-1,799** | 95 | 813 | 1,166 | 1,696 | 2,104 | 2,773 | 1,671 | 1,526 | 1,789 | 2,338 |
| **1,800-1,999** | 817 | 3,166 | 5,247 | 3,615 | 4,528 | 5,209 | 4,059 | 5,084 | 5,180 | 5,411 |
| **2,000-2,499** | 584 | 1,779 | 1,869 | 1,403 | 3,745 | 3,163 | 2,328 | 1,626 | 2,703 | 3,389 |
| **2,500-2,999** | 255 | 361 | 130 | 126 | 101 | 170 | 196 | 414 | 412 | 532 |
| **3,000-3,999** | 131 | 205 | 659 | 640 | 693 | 651 | 292 | 154 | 124 | 103 |
| **>3,999** | 0 | 6 | 5 | 16 | 21 | 5 | 11 | 39 | 1 | 0 |
| | **2,735** | **8,433** | **11,909** | **8,806** | **13,049** | **13,606** | **9,904** | **10,489** | **12,308** | **14,861** |

*Merluccius* spp.
Second Season 2014 (01 Jul to 31 Dec)

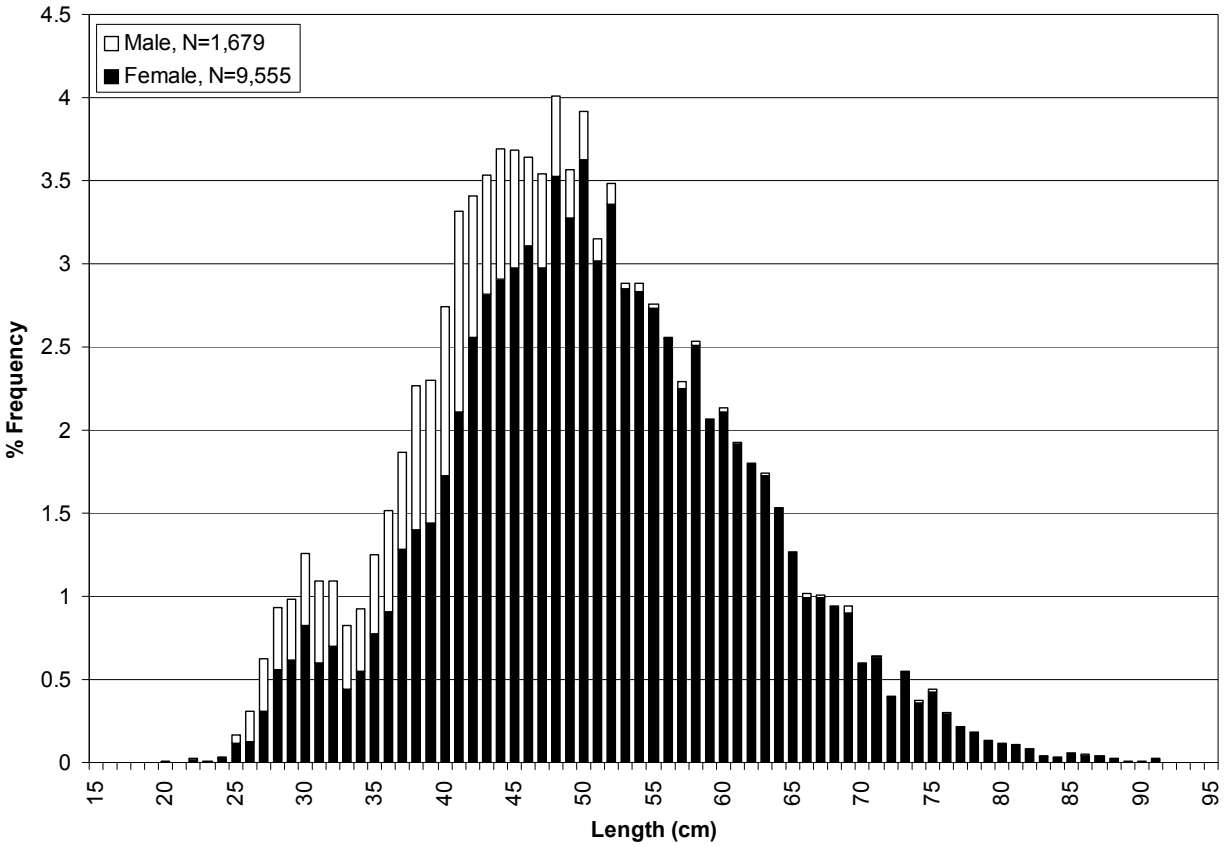


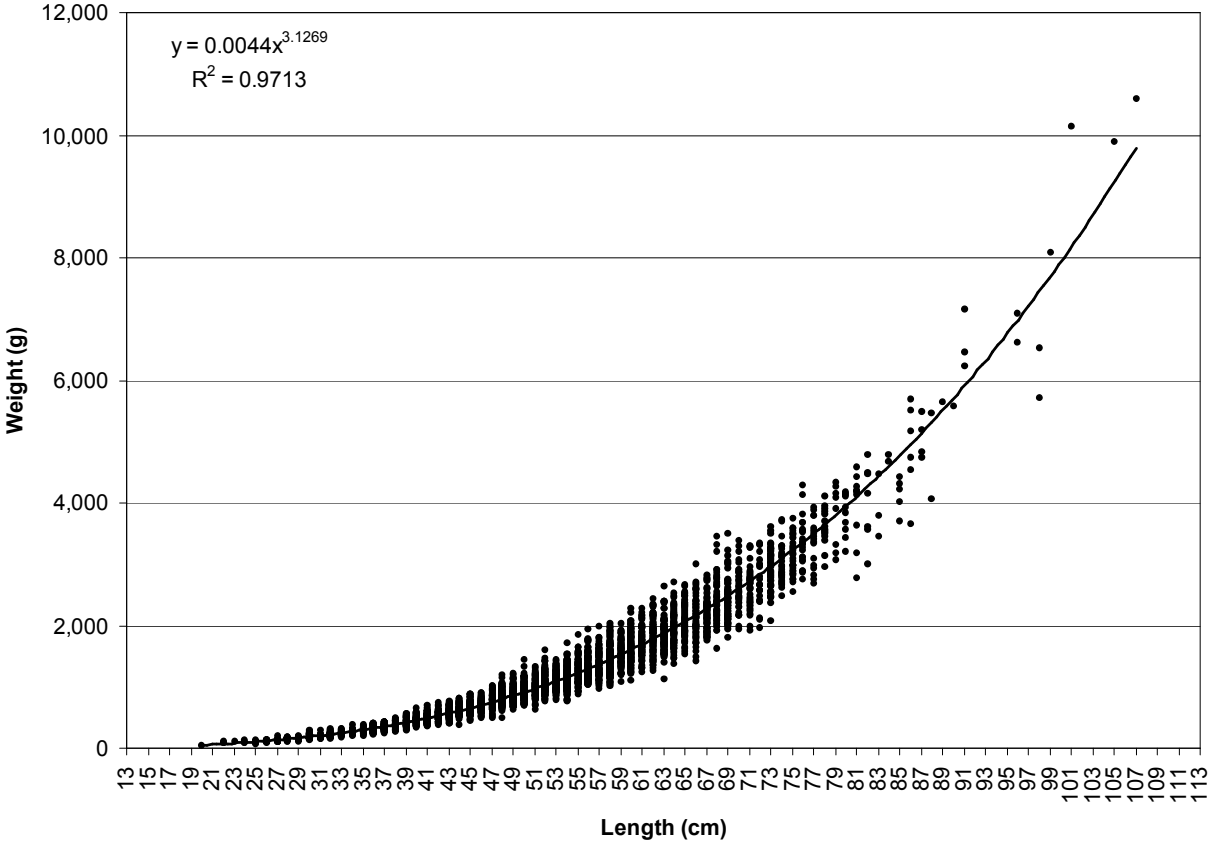

*Merluccius* spp.
First Season 2014 (01 Jan to 30 Jun)



## *Merluccius* spp - Hakes

Length– frequency distribution and length-weight relationship in *M.hubbsi* in trawler fleet in 2014



## *Genypterus blacodes* - Kingclip

Table J.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **LO** | - | 64 | - | - | - | - | - | - | - | - |
| **TR** | 1,936 | 2,758 | 3,592 | 2,227 | 3,390 | 3,639 | 3,867 | 3,510 | 3,977 | 2,880 |
| | **1,936** | **2,822** | **3,592** | **2,227** | **3,390** | **3,639** | **3,867** | **3,510** | **3,977** | **2,880** |

Table J.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 2 | 57 | 84 | 80 | 70 | 15 | 163 | 12 | 108 | - |
| **February** | 149 | 213 | 327 | 107 | 138 | 110 | 296 | 138 | 188 | 65 |
| **March** | 56 | 173 | 370 | 231 | 209 | 300 | 214 | 277 | 153 | 141 |
| **April** | 84 | 322 | 460 | 222 | 320 | 580 | 429 | 338 | 281 | 189 |
| **May** | 73 | 221 | 330 | 234 | 437 | 416 | 728 | 389 | 358 | 372 |
| **June** | 29 | 35 | 60 | 54 | 179 | 202 | 141 | 134 | 114 | 324 |
| **July** | 58 | 77 | 204 | 107 | 258 | 89 | 226 | 170 | 140 | 294 |
| **August** | 291 | 405 | 711 | 326 | 481 | 366 | 421 | 570 | 835 | 388 |
| **September** | 350 | 533 | 498 | 437 | 428 | 446 | 462 | 390 | 843 | 357 |
| **October** | 523 | 494 | 356 | 240 | 548 | 377 | 309 | 420 | 653 | 491 |
| **November** | 255 | 260 | 166 | 142 | 195 | 445 | 310 | 432 | 234 | 204 |
| **December** | 65 | 32 | 25 | 48 | 126 | 294 | 167 | 240 | 67 | 57 |
| | **1,936** | **2,822** | **3,592** | **2,227** | **3,390** | **3,639** | **3,867** | **3,510** | **3,977** | **2,880** |

Table J.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **EE** | - | 43 | - | - | - | - | - | - | - | - |
| **ES** | 1,184 | 1,702 | 2,735 | 1,691 | 2,619 | 2,835 | 2,933 | 2,583 | 3,053 | 2,220 |
| **FK** | 517 | 911 | 740 | 479 | 726 | 677 | 851 | 858 | 843 | 548 |
| **JP** | 0 | 0 | 2 | 0 | 1 | 0 | 0 | - | - | - |
| **KR** | 219 | 136 | 84 | 31 | 33 | 101 | 47 | 62 | 72 | 107 |
| **UK** | 15 | 31 | 31 | 26 | 11 | 26 | 35 | 7 | 9 | 5 |
| | **1,936** | **2,822** | **3,592** | **2,227** | **3,390** | **3,639** | **3,867** | **3,510** | **3,977** | **2,880** |

## *Genypterus blacodes* - Kingclip

Table J.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 34 | 13 | - | - | - | - | - | - | - | - |
| **600-799** | 102 | 218 | 458 | 393 | 675 | 460 | 481 | 518 | 410 | 291 |
| **800-999** | 361 | 637 | 826 | 490 | 639 | 614 | 564 | 640 | 904 | 710 |
| **1,000-1,499** | 995 | 1,347 | 1,573 | 792 | 1,300 | 1,538 | 1,887 | 1,817 | 2,070 | 1,183 |
| **1,500-1,999** | 351 | 565 | 692 | 533 | 756 | 1,012 | 925 | 529 | 578 | 681 |
| **2,000-2,999** | 92 | 42 | 41 | 18 | 18 | 15 | 11 | 5 | 14 | 13 |
| **>2,999** | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| | **1,936** | **2,822** | **3,592** | **2,227** | **3,390** | **3,639** | **3,867** | **3,510** | **3,977** | **2,880** |

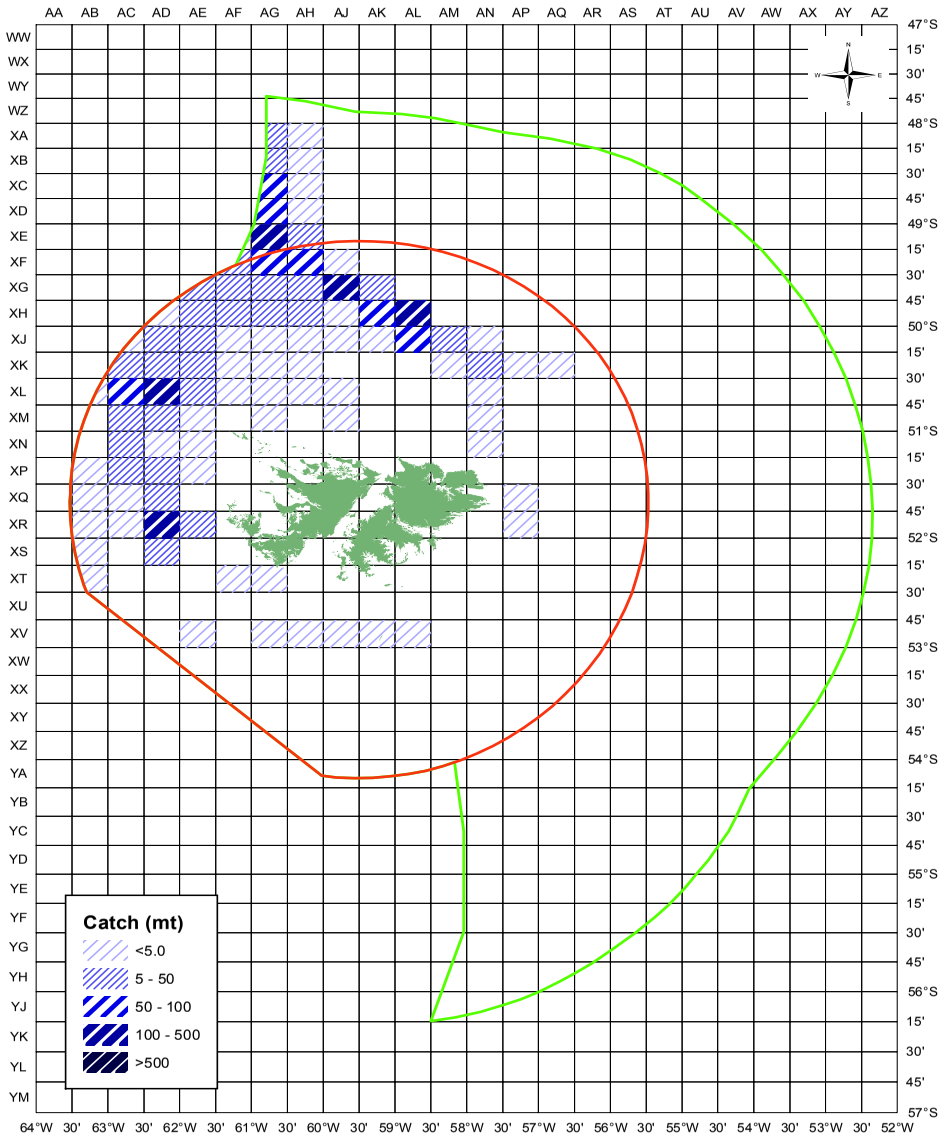
Table J.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 148 | 181 | 209 | 12 | 101 | - | 11 | 13 |
| **45-49** | 140 | 369 | 553 | 365 | 504 | 364 | 314 | 394 | 329 | 170 |
| **50-54** | 357 | 393 | 338 | 237 | 330 | 364 | 367 | 514 | 610 | 620 |
| **55-59** | 321 | 583 | 540 | 246 | 462 | 689 | 944 | 947 | 1,013 | 485 |
| **60-64** | 472 | 548 | 826 | 476 | 885 | 756 | 898 | 870 | 1,079 | 602 |
| **65-69** | 497 | 664 | 829 | 444 | 655 | 1,069 | 883 | 544 | 578 | 708 |
| **70-79** | 78 | 237 | 333 | 275 | 343 | 385 | 360 | 237 | 354 | 278 |
| **80-89** | 69 | 28 | 16 | 1 | 1 | - | 0 | 0 | 0 | 2 |
| **>89** | 1 | 0 | 7 | 2 | 1 | 1 | 1 | 4 | 3 | 2 |
| | **1,936** | **2,822** | **3,592** | **2,227** | **3,390** | **3,639** | **3,867** | **3,510** | **3,977** | **2,880** |

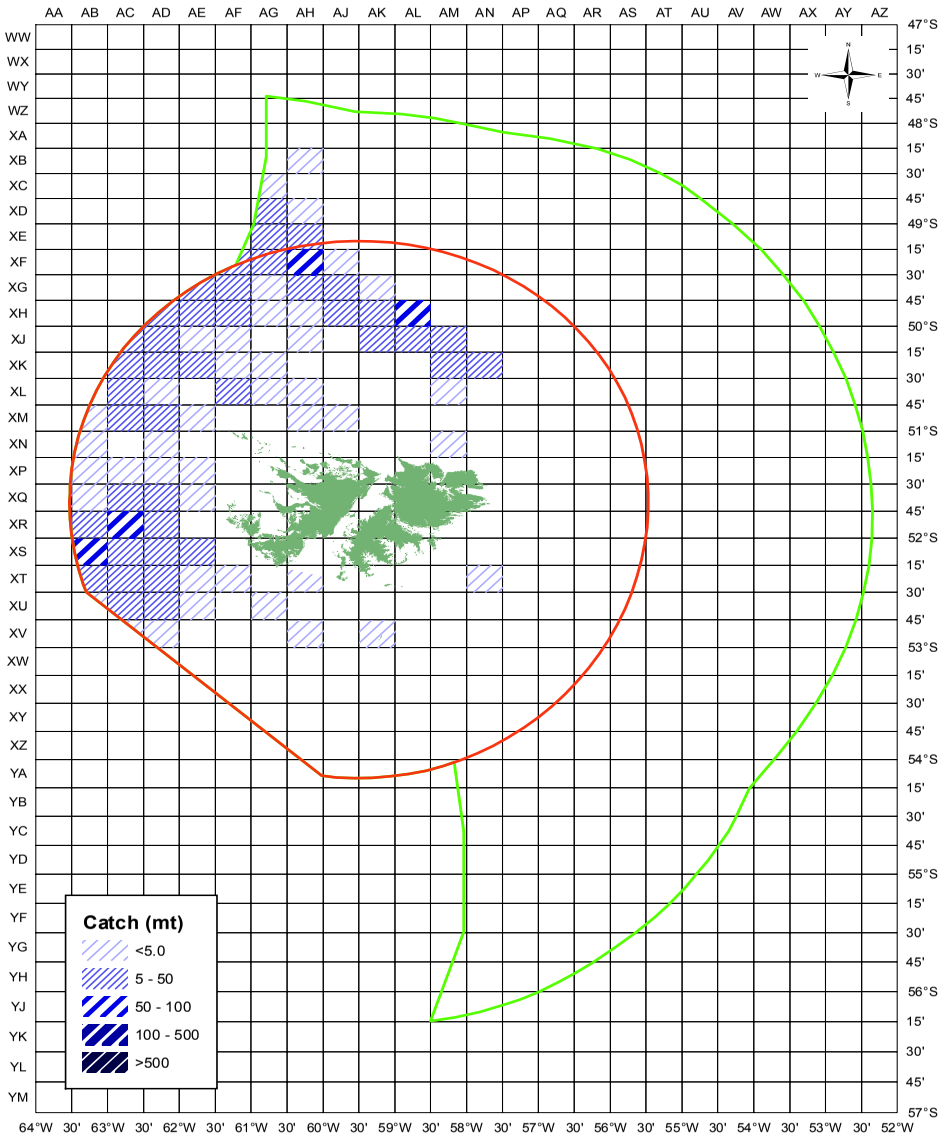
Table J.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | 18 | - |
| **1,000-1,199** | - | - | - | - | - | 12 | 29 | - | 11 | 13 |
| **1,200-1,399** | 13 | 68 | 133 | 57 | 127 | 113 | 77 | 107 | 86 | 45 |
| **1,400-1,599** | 282 | 637 | 894 | 661 | 914 | 513 | 643 | 799 | 821 | 609 |
| **1,600-1,799** | 126 | 233 | 427 | 265 | 338 | 608 | 474 | 289 | 288 | 218 |
| **1,800-1,999** | 884 | 1,032 | 1,194 | 638 | 1,036 | 1,552 | 1,597 | 1,345 | 1,353 | 972 |
| **2,000-2,499** | 344 | 654 | 787 | 532 | 912 | 726 | 928 | 776 | 1,081 | 691 |
| **2,500-2,999** | 179 | 125 | 88 | 32 | 32 | 73 | 74 | 183 | 298 | 312 |
| **3,000-3,999** | 105 | 72 | 51 | 41 | 28 | 41 | 45 | 10 | 20 | 19 |
| **>3,999** | 3 | 1 | 18 | 1 | 2 | 0 | 0 | 1 | 0 | 2 |
| | **1,936** | **2,822** | **3,592** | **2,227** | **3,390** | **3,639** | **3,867** | **3,510** | **3,977** | **2,880** |

*Genypterus blacodes*
Second Season 2014 (01 Jul to 31 Dec)

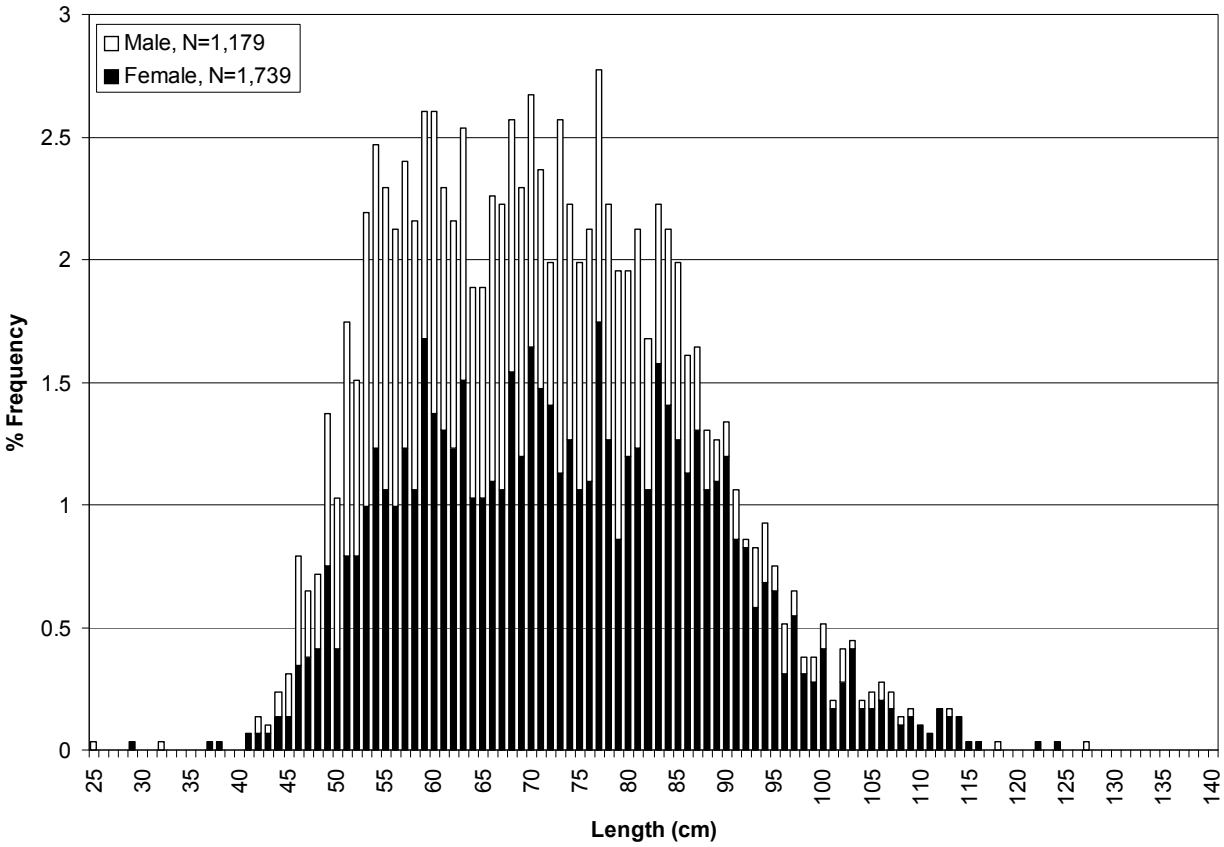


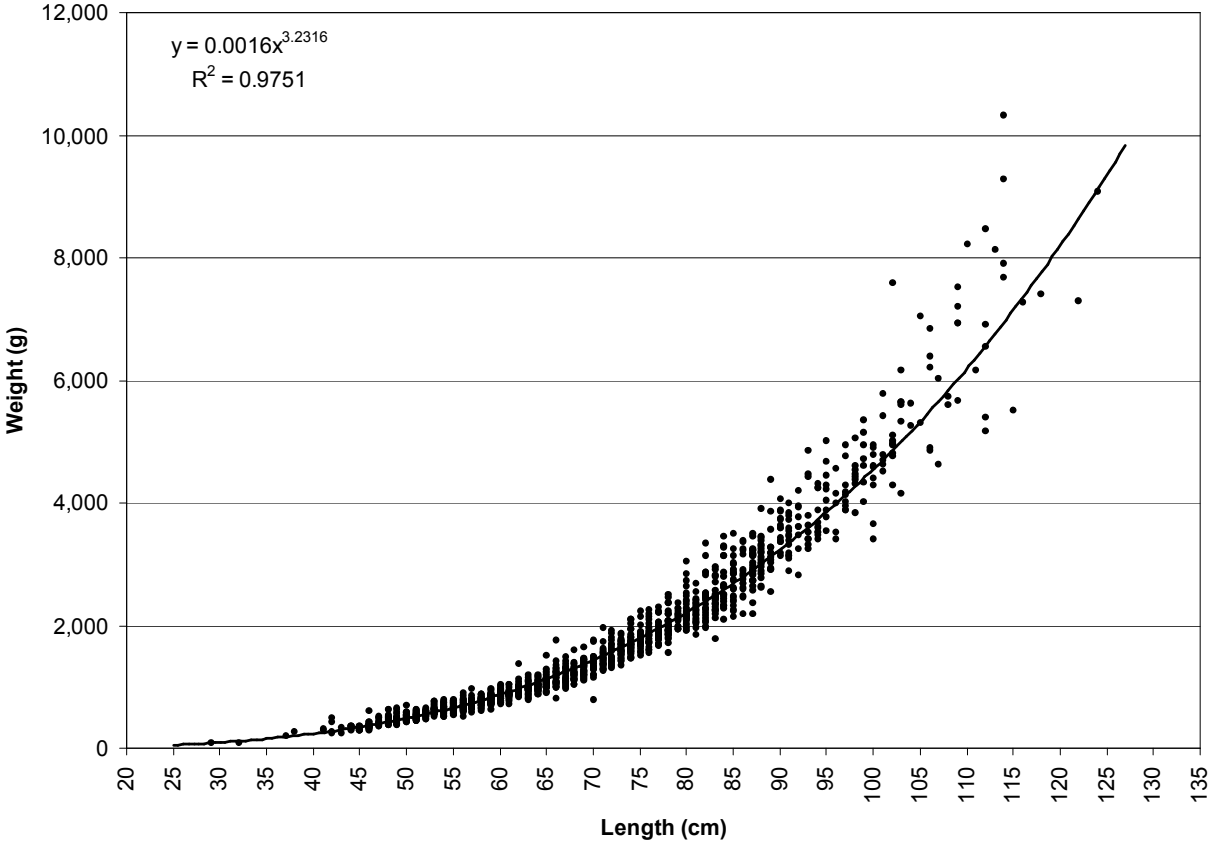

*Genypterus blacodes*
First Season 2014 (01 Ja23n to 30 Jun)



## *Genypterus blacodes* - Kingclip

Length– frequency distribution and length-weight relationship in trawler fleet in 2014



## *Dissostichus eleginoides* - Toothfish

Table K.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **LO** | 1,554 | 1,244 | 1,407 | 1,368 | 1,134 | 943 | 1,221 | 1,085 | 1,303 | 1,252 |
| **PO** | - | 263 | 59 | - | - | 0 | - | - | - | - |
| **TR** | 123 | 62 | 54 | 61 | 285 | 460 | 339 | 226 | 120 | 45 |
| | **1,677** | **1,568** | **1,520** | **1,429** | **1,418** | **1,403** | **1,560** | **1,311** | **1,423** | **1,297** |

Table K.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 147 | 331 | 123 | 248 | 123 | 129 | 131 | 136 | 140 | 125 |
| **February** | 144 | 174 | 116 | 181 | 163 | 141 | 138 | 159 | 91 | 109 |
| **March** | 116 | 247 | 103 | 159 | 210 | 207 | 85 | 122 | 133 | 72 |
| **April** | 64 | 146 | 50 | 193 | 84 | 169 | 182 | 159 | 193 | 121 |
| **May** | 119 | 65 | 106 | 93 | 116 | 167 | 161 | 131 | 153 | 36 |
| **June** | 99 | 98 | 61 | 51 | 98 | 62 | 82 | 91 | 22 | 72 |
| **July** | 116 | 150 | 56 | 113 | 91 | 136 | 180 | 133 | 128 | 130 |
| **August** | 214 | 95 | 138 | 116 | 129 | 100 | 216 | 162 | 196 | 37 |
| **September** | 186 | 124 | 168 | 52 | 184 | 106 | 165 | 101 | 210 | 234 |
| **October** | 219 | 54 | 124 | 10 | 80 | 23 | 55 | 19 | 2 | 115 |
| **November** | 116 | 79 | 209 | 102 | 26 | 52 | 30 | 23 | 8 | 107 |
| **December** | 138 | 6 | 266 | 111 | 115 | 112 | 136 | 76 | 146 | 139 |
| | **1,677** | **1,568** | **1,520** | **1,429** | **1,418** | **1,403** | **1,560** | **1,311** | **1,423** | **1,297** |

Table K.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | - | 301 | - | - | - | - | - | - | 353 |
| **EE** | - | 0 | - | - | - | - | - | - | - | - |
| **ES** | 73 | 39 | 35 | 37 | 203 | 366 | 260 | 155 | 81 | 33 |
| **FK** | 1,597 | 1,264 | 1,123 | 1,391 | 1,210 | 1,028 | 1,286 | 1,150 | 1,342 | 911 |
| **KR** | 7 | 264 | 60 | 1 | - | 6 | 7 | 7 | 1 | 0 |
| **RU** | - | - | - | - | - | 0 | - | - | - | - |
| **UK** | 0 | 1 | 1 | 0 | 5 | 2 | 6 | 0 | - | - |
| | **1,677** | **1,568** | **1,520** | **1,429** | **1,418** | **1,403** | **1,560** | **1,311** | **1,423** | **1,297** |

## *Dissostichus eleginoides* - Toothfish

Table K.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 0 | 0 | - | - | - | - | - | - | - | - |
| **600-799** | 4 | 268 | 67 | 10 | 33 | 45 | 31 | 44 | 10 | 7 |
| **800-999** | 1,571 | 1,256 | 1,113 | 1,374 | 1,173 | 998 | 1,268 | 1,125 | 1,197 | 906 |
| **1,000-1,499** | 58 | 24 | 325 | 15 | 102 | 223 | 119 | 64 | 179 | 370 |
| **1,500-1,999** | 28 | 20 | 14 | 30 | 85 | 131 | 135 | 77 | 34 | 15 |
| **2,000-2,999** | 16 | 1 | 0 | 1 | 25 | 6 | 6 | 2 | 3 | - |
| **>2,999** | - | - | - | - | - | - | - | - | - | - |
| | **1,677** | **1,568** | **1,520** | **1,429** | **1,418** | **1,403** | **1,560** | **1,311** | **1,423** | **1,297** |

Table K.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 2 | - | 3 | 2 | 7 | - | - | - |
| **45-49** | 4 | 151 | 67 | 10 | 31 | 34 | 21 | 41 | 10 | 4 |
| **50-54** | 856 | 714 | 521 | 982 | 1,146 | 975 | 1,243 | 1,109 | 1,187 | 904 |
| **55-59** | 732 | 661 | 593 | 395 | 31 | 58 | 39 | 36 | 148 | 9 |
| **60-64** | 23 | 15 | 314 | 5 | 33 | 50 | 83 | 21 | 26 | 360 |
| **65-69** | 43 | 22 | 16 | 24 | 74 | 179 | 114 | 66 | 28 | 15 |
| **70-79** | 8 | 4 | 7 | 15 | 90 | 105 | 53 | 36 | 24 | 5 |
| **80-89** | 12 | 0 | - | - | 6 | - | - | 1 | - | - |
| **>89** | 1 | - | 0 | - | 5 | 0 | - | 1 | 0 | - |
| | **1,677** | **1,568** | **1,520** | **1,429** | **1,418** | **1,403** | **1,560** | **1,311** | **1,423** | **1,297** |

Table K.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | 0 | - | - | - | - |
| **1,000-1,199** | - | - | - | - | - | 2 | 5 | - | - | - |
| **1,200-1,399** | - | 146 | 59 | - | - | 9 | 4 | 0 | 120 | 1 |
| **1,400-1,599** | 1,572 | 1,258 | 1,120 | 1,382 | 1,191 | 1,011 | 1,271 | 1,149 | 1,204 | 1,262 |
| **1,600-1,799** | 8 | 119 | 304 | 5 | 20 | 30 | 15 | 6 | 9 | 6 |
| **1,800-1,999** | 56 | 29 | 15 | 23 | 67 | 206 | 122 | 87 | 40 | 16 |
| **2,000-2,499** | 21 | 15 | 19 | 17 | 110 | 131 | 121 | 56 | 46 | 10 |
| **2,500-2,999** | 4 | 1 | 1 | 1 | 5 | 6 | 8 | 12 | 1 | 2 |
| **3,000-3,999** | 15 | 1 | 1 | 1 | 19 | 8 | 12 | 0 | 3 | - |
| **>3,999** | 1 | - | - | - | 6 | - | - | 1 | - | - |
| | **1,677** | **1,568** | **1,520** | **1,429** | **1,418** | **1,403** | **1,560** | **1,311** | **1,423** | **1,297** |

## *Dissostichus eleginoides* - Toothfish

Table K.7 Total catch (tonnes) of longliners by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **800-999** | 1,554 | 1,244 | 1,106 | 1,368 | 1,134 | 943 | 1,221 | 1,085 | 1,184 | 900 |
| **1,000-1,499** | - | - | 301 | - | - | - | - | - | 120 | 353 |
| | **1,554** | **1,244** | **1,407** | **1,368** | **1,134** | **943** | **1,221** | **1,085** | **1,303** | **1,252** |

Table K.8 Total catch (tonnes) of longliners by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **50-54** | 838 | 587 | 516 | 976 | 1,134 | 943 | 1,221 | 1,085 | 1,184 | 900 |
| **55-59** | 716 | 656 | 590 | 392 | - | - | - | - | 120 | - |
| **60-64** | - | - | 301 | - | - | - | - | - | - | 353 |
| | **1,554** | **1,244** | **1,407** | **1,368** | **1,134** | **943** | **1,221** | **1,085** | **1,303** | **1,252** |

Table K.9 Total catch (tonnes) of longliners by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **1,200-1,399** | - | - | - | - | - | - | - | - | 120 | - |
| **1,400-1,599** | 1,554 | 1,244 | 1,106 | 1,368 | 1,134 | 943 | 1,221 | 1,085 | 1,184 | 1,252 |
| **1,600-1,799** | - | - | 301 | - | - | - | - | - | - | - |
| | **1,554** | **1,244** | **1,407** | **1,368** | **1,134** | **943** | **1,221** | **1,085** | **1,303** | **1,252** |

Table K.10 Total catch (tonnes) of trawlers by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **600-799** | 4 | 5 | 8 | 10 | 33 | 45 | 31 | 44 | 10 | 7 |
| **800-999** | 18 | 12 | 7 | 6 | 39 | 55 | 47 | 40 | 13 | 6 |
| **1,000-1,499** | 58 | 24 | 24 | 15 | 102 | 223 | 119 | 64 | 59 | 17 |
| **1,500-1,999** | 28 | 20 | 14 | 30 | 85 | 131 | 135 | 77 | 34 | 15 |
| **2,000-2,999** | 16 | 1 | 0 | 1 | 25 | 6 | 6 | 2 | 3 | - |
| | **123** | **62** | **54** | **61** | **285** | **460** | **339** | **226** | **120** | **45** |

Table K.11 Total catch (tonnes) of trawlers by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 2 | - | 3 | 2 | 7 | - | - | - |
| **45-49** | 4 | 6 | 8 | 10 | 31 | 34 | 21 | 41 | 10 | 4 |
| **50-54** | 18 | 10 | 5 | 6 | 12 | 32 | 22 | 24 | 4 | 5 |
| **55-59** | 16 | 4 | 3 | 2 | 31 | 58 | 39 | 36 | 28 | 9 |
| **60-64** | 23 | 15 | 13 | 5 | 33 | 50 | 83 | 21 | 26 | 7 |
| **65-69** | 43 | 22 | 16 | 24 | 74 | 179 | 114 | 66 | 28 | 15 |
| **70-79** | 8 | 4 | 7 | 15 | 90 | 105 | 53 | 36 | 24 | 5 |
| **80-89** | 12 | 0 | - | - | 6 | - | - | 1 | - | - |
| **>89** | 1 | - | 0 | - | 5 | 0 | - | 1 | 0 | - |
| | **123** | **62** | **54** | **61** | **285** | **460** | **339** | **226** | **120** | **45** |

## *Dissostichus eleginoides* - Toothfish

Table K.12 Total catch (tonnes) of trawlers by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **1,000-1,199** | - | - | - | - | - | 2 | 5 | - | - | - |
| **1,200-1,399** | - | - | - | - | - | 9 | 4 | 0 | - | 1 |
| **1,400-1,599** | 19 | 14 | 14 | 14 | 58 | 68 | 51 | 64 | 20 | 10 |
| **1,600-1,799** | 8 | 2 | 3 | 5 | 20 | 30 | 15 | 6 | 9 | 6 |
| **1,800-1,999** | 56 | 29 | 15 | 23 | 67 | 206 | 122 | 87 | 40 | 16 |
| **2,000-2,499** | 21 | 15 | 19 | 17 | 110 | 131 | 121 | 56 | 46 | 10 |
| **2,500-2,999** | 4 | 1 | 1 | 1 | 5 | 6 | 8 | 12 | 1 | 2 |
| **3,000-3,999** | 15 | 1 | 1 | 1 | 19 | 8 | 12 | 0 | 3 | - |
| **>3,999** | 1 | - | - | - | 6 | - | - | 1 | - | - |
| | **123** | **62** | **54** | **61** | **285** | **460** | **339** | **226** | **120** | **45** |

Table K.13 Total catch (tonnes) of potting vessels by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **600-799** | - | 263 | 59 | - | - | 0 | - | - | - | - |
| | **-** | **263** | **59** | **-** | **-** | **0** | **-** | **-** | **-** | **-** |

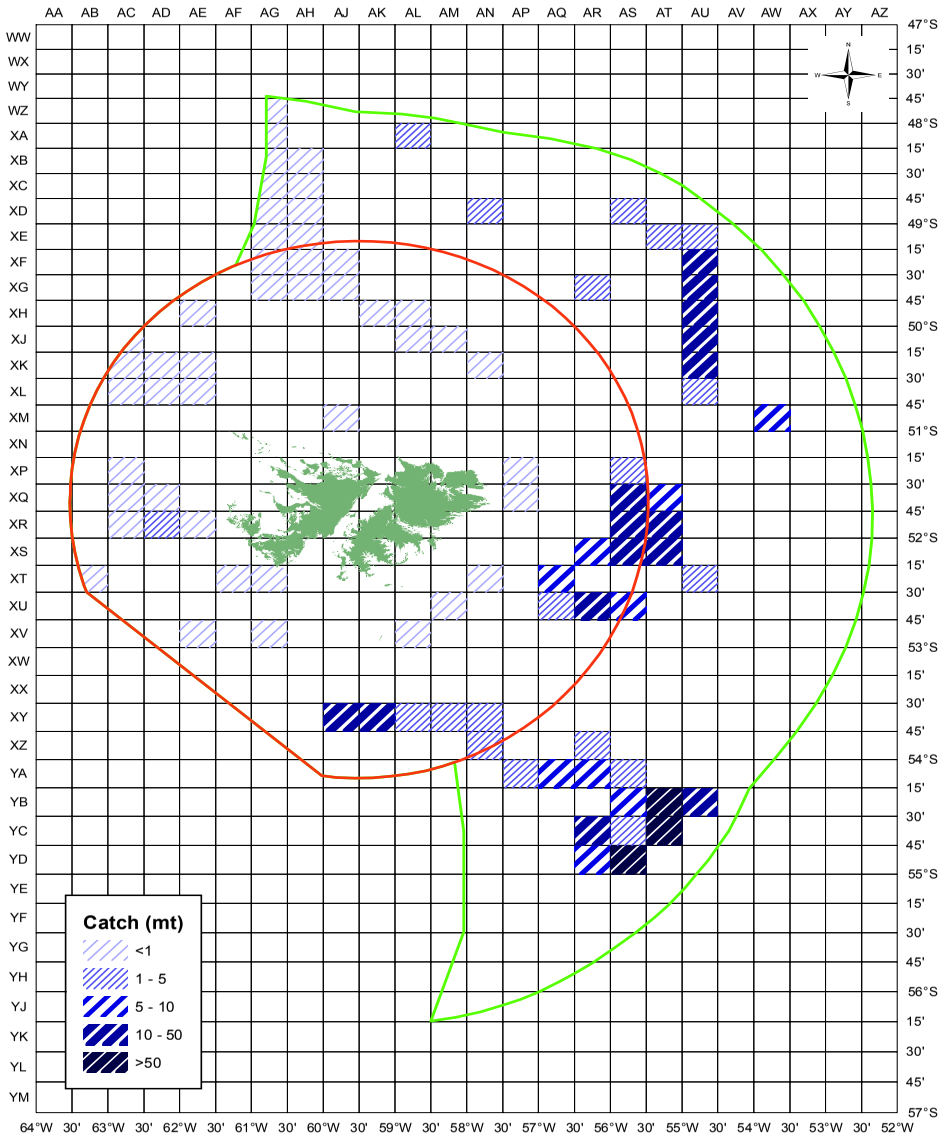
Table K.14 Total catch (tonnes) of potting vessels by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **45-49** | - | 146 | 59 | - | - | - | - | - | - | - |
| **50-54** | - | 117 | - | - | - | 0 | - | - | - | - |
| | **-** | **263** | **59** | **-** | **-** | **0** | **-** | **-** | **-** | **-** |

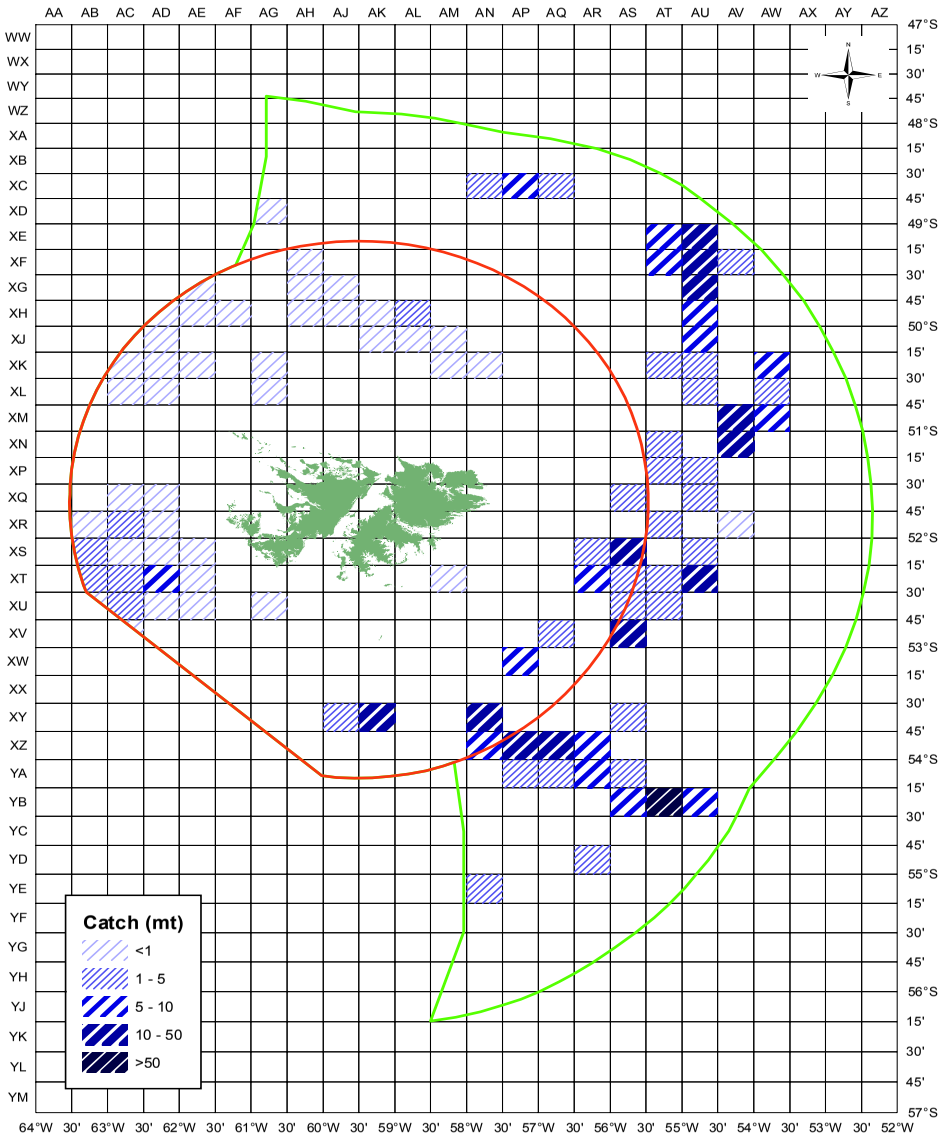
Table K.15 Total catch (tonnes) of potting vessels by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | 0 | - | - | - | - |
| **1,200-1,399** | - | 146 | 59 | - | - | - | - | - | - | - |
| **1,600-1,799** | - | 117 | - | - | - | - | - | - | - | - |
| | **-** | **263** | **59** | **-** | **-** | **0** | **-** | **-** | **-** | **-** |

*Dissostichus eleginoides*
Second Season 2014 (01 Jul to 31 Dec)1.4

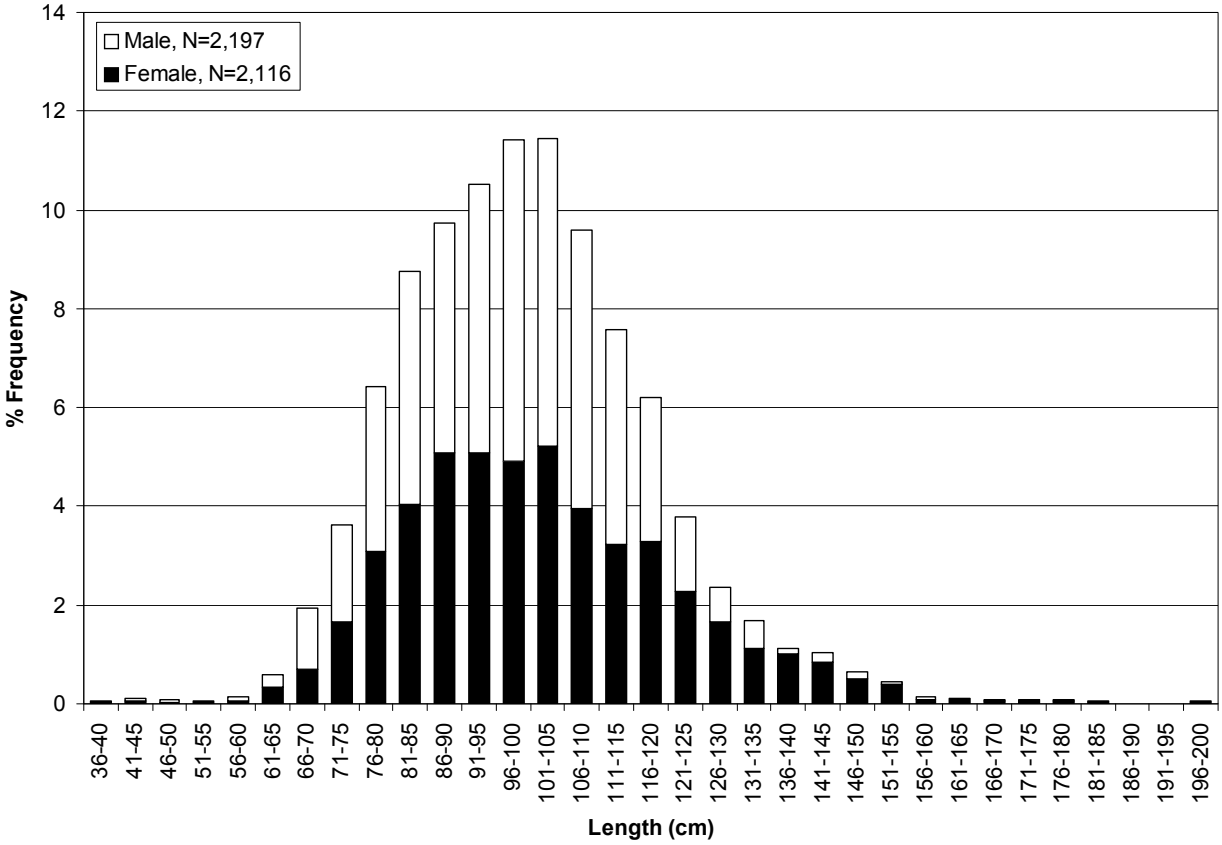


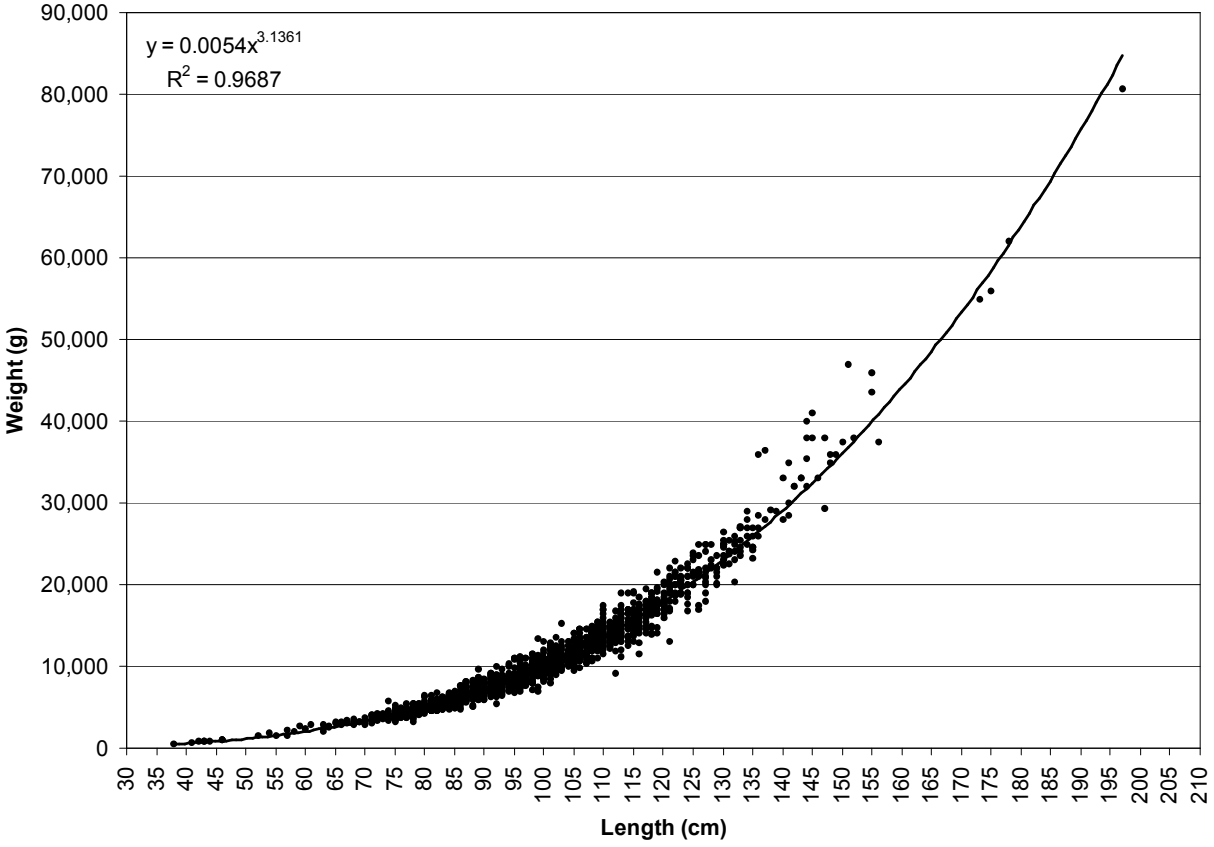

*Dissostichus eleginoides*
First Season 2014 (01 Jan to 30 Jun)



## *Dissostichus eleginoides* - Toothfish

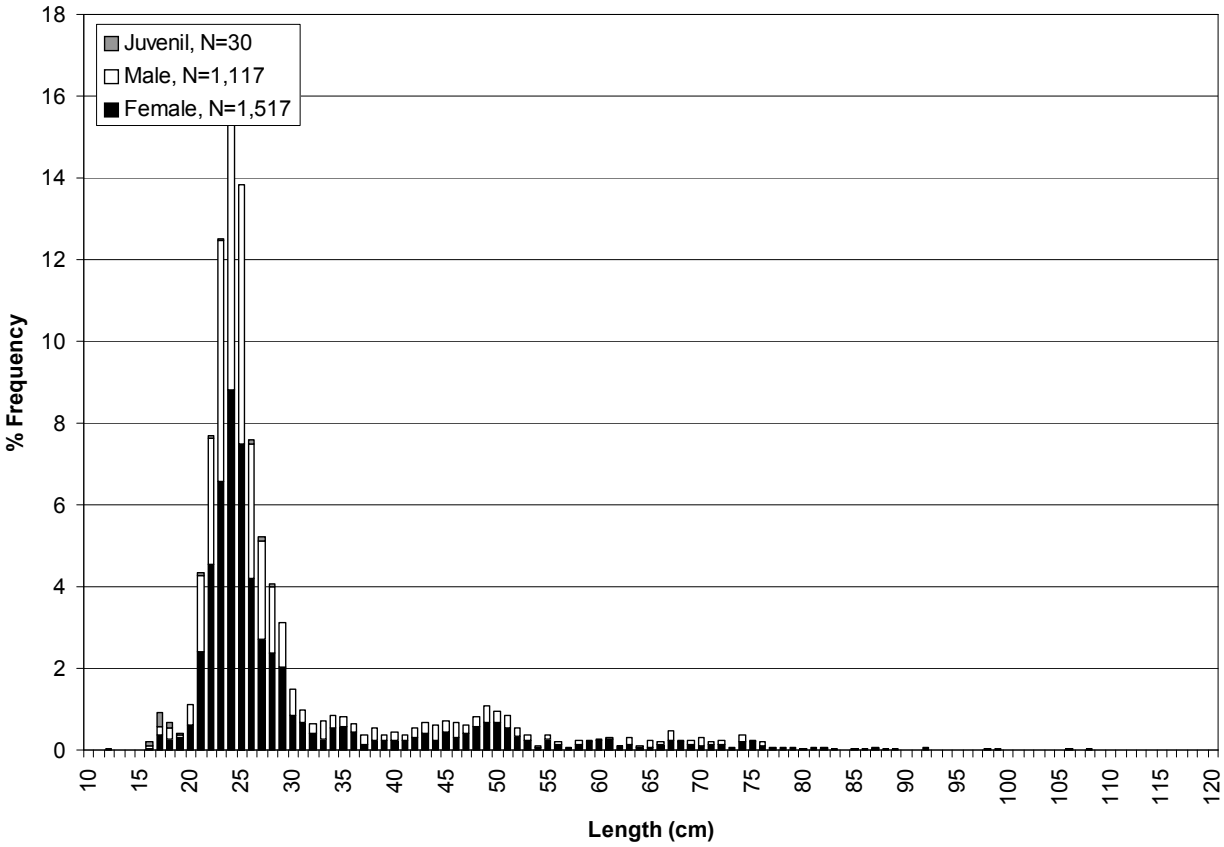
Length– frequency distribution and length-weight relationship in longliner fleet in 2014

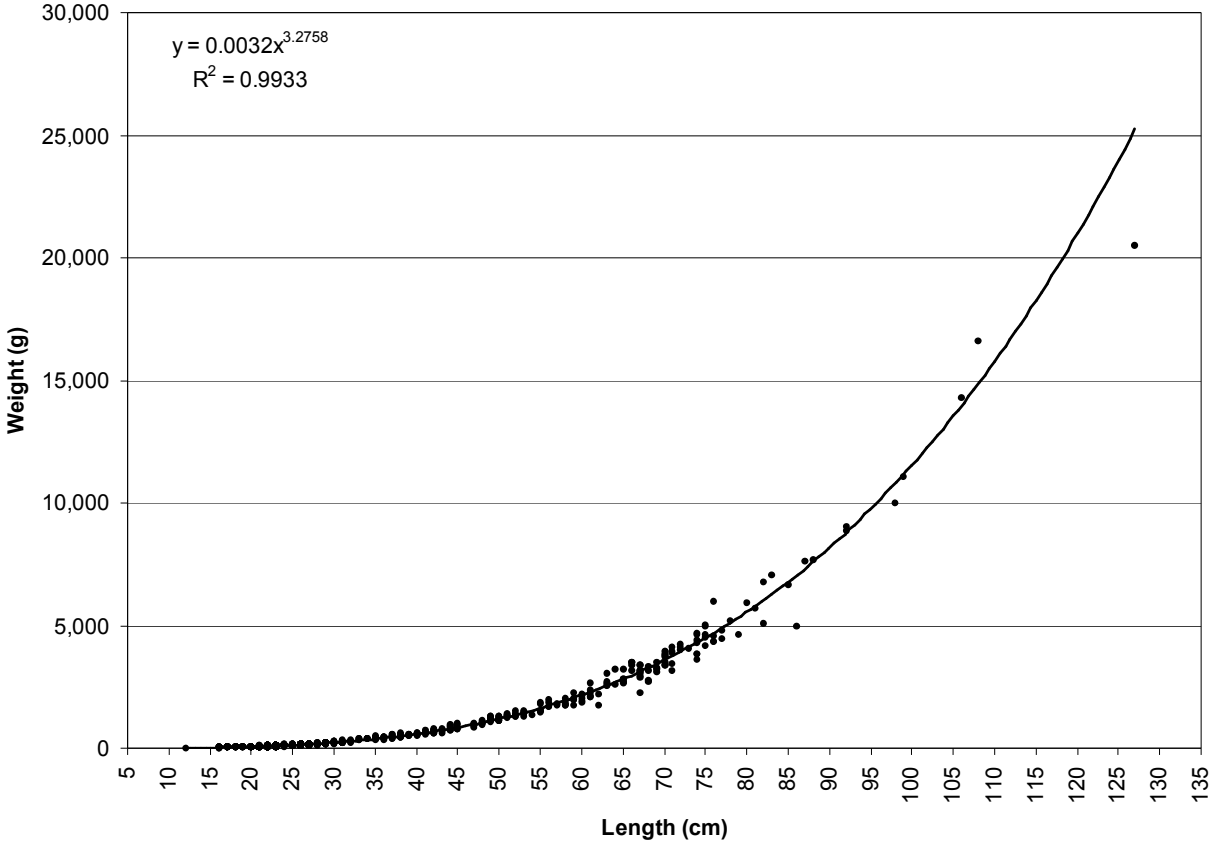


## *Dissostichus eleginoides* - Toothfish

Length– frequency distribution and length-weight relationship in trawler fleet in 2014



# Rajidae - Skates and Rays

Table L.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **LO** | 75 | 150 | 42 | 28 | 22 | 23 | 55 | 32 | 78 | 32 |
| **PO** | - | 0 | - | - | - | 0 | - | - | - | - |
| **TR** | 5,623 | 4,533 | 5,626 | 3,833 | 5,851 | 5,868 | 6,915 | 6,622 | 5,854 | 5,521 |
| | **5,698** | **4,683** | **5,669** | **3,861** | **5,873** | **5,891** | **6,970** | **6,654** | **5,932** | **5,553** |

Table L.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 92 | 86 | 108 | 120 | 96 | 43 | 185 | 15 | 278 | 5 |
| **February** | 423 | 160 | 173 | 200 | 179 | 167 | 360 | 216 | 288 | 125 |
| **March** | 83 | 80 | 179 | 142 | 178 | 168 | 126 | 511 | 219 | 144 |
| **April** | 56 | 134 | 176 | 187 | 304 | 333 | 588 | 320 | 413 | 207 |
| **May** | 165 | 122 | 190 | 189 | 555 | 474 | 878 | 397 | 428 | 393 |
| **June** | 21 | 32 | 124 | 95 | 662 | 338 | 398 | 404 | 267 | 267 |
| **July** | 566 | 133 | 394 | 516 | 570 | 323 | 849 | 703 | 394 | 289 |
| **August** | 2,267 | 1,672 | 2,004 | 1,238 | 1,330 | 1,650 | 1,446 | 1,568 | 1,227 | 1,373 |
| **September** | 821 | 1,021 | 1,109 | 668 | 851 | 1,146 | 992 | 802 | 867 | 1,479 |
| **October** | 490 | 876 | 722 | 220 | 407 | 326 | 691 | 1,099 | 868 | 558 |
| **November** | 590 | 305 | 141 | 119 | 511 | 418 | 317 | 438 | 369 | 524 |
| **December** | 125 | 62 | 350 | 167 | 229 | 505 | 141 | 181 | 313 | 188 |
| | **5,698** | **4,683** | **5,669** | **3,861** | **5,873** | **5,891** | **6,970** | **6,654** | **5,932** | **5,553** |

Table L.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | - | 12 | - | - | - | - | - | - | 3 |
| **EE** | - | 11 | - | - | - | - | - | - | - | - |
| **ES** | 634 | 1,158 | 1,745 | 1,518 | 2,665 | 2,514 | 2,843 | 2,490 | 2,284 | 2,243 |
| **FK** | 613 | 770 | 675 | 420 | 902 | 912 | 1,837 | 1,332 | 1,742 | 1,120 |
| **JP** | 4,413 | 2,727 | 3,203 | 1,899 | 2,262 | 2,394 | 2,219 | 2,797 | 1,884 | 2,174 |
| **KR** | - | - | - | - | - | 0 | - | - | - | - |
| **UK** | 16 | 11 | 34 | 25 | 44 | 71 | 71 | 35 | 23 | 11 |
| **UY** | 23 | 6 | - | - | - | - | - | - | - | - |
| | **5,698** | **4,683** | **5,669** | **3,861** | **5,873** | **5,891** | **6,970** | **6,654** | **5,932** | **5,553** |

Table L.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 404 | 209 | - | - | - | - | - | - | - | - |
| **600-799** | 918 | 531 | 1,235 | 957 | 1,214 | 1,133 | 616 | 731 | 449 | 593 |
| **800-999** | 2,762 | 2,114 | 2,276 | 1,409 | 1,885 | 1,804 | 2,016 | 2,370 | 1,749 | 1,899 |
| **1,000-1,499** | 913 | 1,472 | 1,646 | 1,195 | 2,102 | 2,156 | 2,817 | 2,263 | 2,682 | 2,078 |
| **1,500-1,999** | 159 | 201 | 461 | 249 | 581 | 758 | 979 | 753 | 588 | 638 |
| **2,000-2,999** | 542 | 156 | 51 | 52 | 91 | 40 | 119 | 47 | 67 | 58 |
| **>2,999** | - | - | - | - | - | - | 424 | 489 | 396 | 287 |
| | **5,698** | **4,683** | **5,669** | **3,861** | **5,873** | **5,891** | **6,970** | **6,654** | **5,932** | **5,553** |

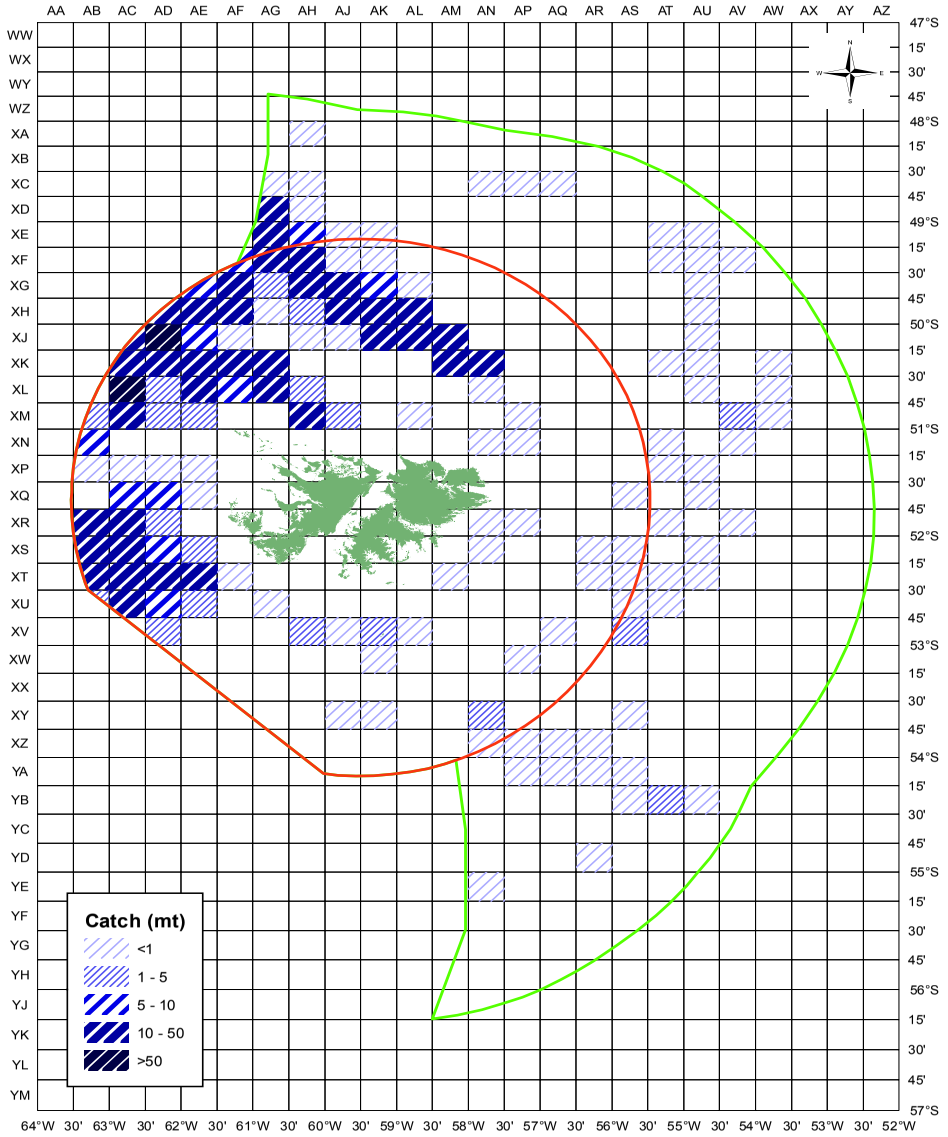
Table L.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 24 | 48 | 76 | 18 | 54 | - | 19 | 1 |
| **45-49** | 667 | 538 | 1,038 | 856 | 990 | 782 | 419 | 371 | 370 | 233 |
| **50-54** | 3,219 | 1,949 | 1,974 | 1,159 | 1,574 | 2,010 | 2,064 | 2,636 | 1,746 | 2,203 |
| **55-59** | 545 | 925 | 996 | 594 | 963 | 804 | 1,248 | 1,048 | 1,341 | 619 |
| **60-64** | 424 | 690 | 771 | 567 | 958 | 691 | 945 | 799 | 801 | 1,005 |
| **65-69** | 269 | 326 | 608 | 310 | 468 | 824 | 802 | 619 | 632 | 587 |
| **70-79** | 492 | 243 | 254 | 317 | 842 | 762 | 1,014 | 687 | 627 | 614 |
| **80-89** | 82 | 12 | 1 | 6 | - | - | - | 0 | - | - |
| **>89** | - | 0 | 1 | 2 | 1 | 0 | 426 | 495 | 396 | 291 |
| | **5,698** | **4,683** | **5,669** | **3,861** | **5,873** | **5,891** | **6,970** | **6,654** | **5,932** | **5,553** |

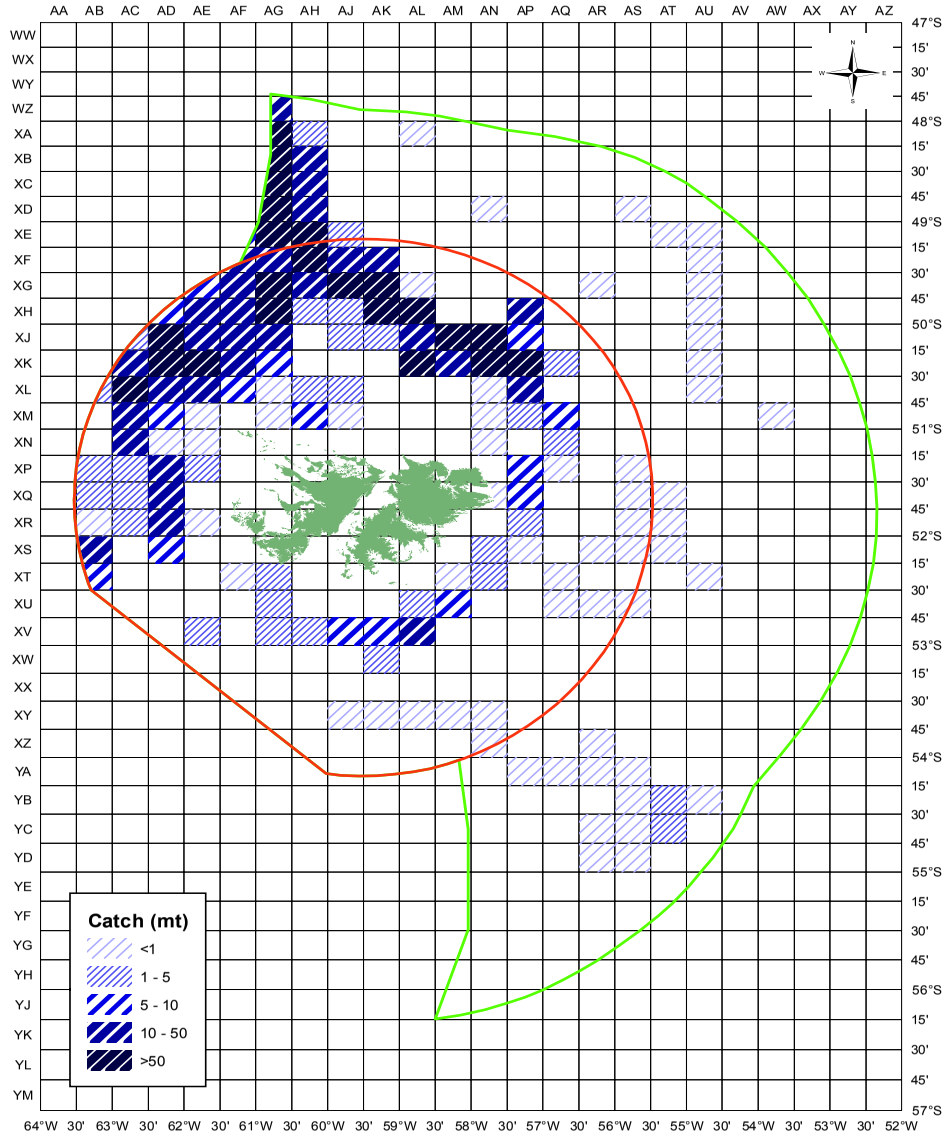
Table L.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | 0 | - | - | 24 | - |
| **1,000-1,199** | - | - | - | - | - | 18 | 35 | - | 19 | 1 |
| **1,200-1,399** | 15 | 41 | 57 | 50 | 52 | 40 | 42 | 49 | 62 | 21 |
| **1,400-1,599** | 353 | 603 | 529 | 313 | 556 | 305 | 489 | 568 | 491 | 545 |
| **1,600-1,799** | 33 | 147 | 149 | 264 | 437 | 689 | 562 | 648 | 611 | 450 |
| **1,800-1,999** | 486 | 723 | 979 | 533 | 894 | 1,215 | 1,528 | 1,414 | 1,360 | 773 |
| **2,000-2,499** | 810 | 870 | 1,025 | 913 | 1,837 | 1,451 | 2,137 | 1,362 | 1,464 | 1,848 |
| **2,500-2,999** | 3,443 | 2,133 | 2,845 | 1,714 | 1,962 | 2,062 | 1,558 | 2,044 | 1,412 | 1,563 |
| **3,000-3,999** | 555 | 160 | 82 | 67 | 134 | 111 | 612 | 566 | 486 | 353 |
| **>3,999** | 3 | 6 | 1 | 6 | 1 | - | 7 | 4 | 3 | 1 |
| | **5,698** | **4,683** | **5,669** | **3,861** | **5,873** | **5,891** | **6,970** | **6,654** | **5,932** | **5,553** |

*Rajidae*
First Season 2014 (01 Jan to 30 Jun)




*Rajidae*
Second Season 2014 (01 Jul to 31 Dec)



## *Patagonotothen ramsayi*—Rock Cod

Table L.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **LO** | - | 0 | - | - | - | - | - | - | - | - |
| **PO** | - | - | - | - | - | 0 | - | - | - | - |
| **TR** | 8,641 | 21,011 | 30,386 | 60,601 | 58,236 | 76,451 | 55,705 | 63,510 | 32,436 | 56,589 |
| **Grand Total** | **8,641** | **21,012** | **30,386** | **60,601** | **58,236** | **76,451** | **55,705** | **63,510** | **32,436** | **56,589** |

Table L.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | - | 431 | 563 | 2,918 | 2,746 | 892 | 3,521 | 112 | 743 | - |
| **February** | 295 | 3,060 | 3,108 | 7,170 | 6,061 | 5,674 | 5,993 | 3,086 | 3,197 | 560 |
| **March** | 176 | 2,465 | 3,659 | 9,907 | 4,961 | 10,163 | 2,502 | 9,016 | 2,847 | 1,245 |
| **April** | 186 | 3,046 | 3,808 | 8,356 | 9,532 | 13,402 | 6,205 | 10,051 | 3,837 | 1,168 |
| **May** | 496 | 2,067 | 4,431 | 8,522 | 11,050 | 11,580 | 11,150 | 14,240 | 2,751 | 9,124 |
| **June** | 139 | 615 | 553 | 2,290 | 3,136 | 5,281 | 4,578 | 5,500 | 922 | 5,932 |
| **July** | 200 | 792 | 2,459 | 1,832 | 2,801 | 4,449 | 2,571 | 3,680 | 675 | 8,894 |
| **August** | 1,056 | 2,218 | 3,428 | 4,116 | 2,820 | 4,027 | 3,697 | 4,945 | 2,935 | 7,322 |
| **September** | 2,509 | 1,724 | 3,747 | 4,824 | 3,811 | 6,007 | 4,036 | 3,288 | 4,898 | 5,957 |
| **October** | 829 | 1,953 | 2,661 | 5,364 | 6,637 | 8,929 | 7,536 | 5,352 | 5,086 | 7,925 |
| **November** | 2,597 | 2,420 | 1,562 | 4,477 | 3,239 | 2,064 | 2,889 | 1,877 | 2,111 | 5,987 |
| **December** | 158 | 221 | 407 | 826 | 1,442 | 3,984 | 1,028 | 2,361 | 2,435 | 2,474 |
| | **8,641** | **21,012** | **30,386** | **60,601** | **58,236** | **76,451** | **55,705** | **63,510** | **32,436** | **56,589** |

Table L.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | - | 18 | - | - | - | - | - | - | 0 |
| **EE** | - | 482 | - | - | - | - | - | - | - | - |
| **ES** | 4,239 | 11,258 | 18,830 | 41,276 | 42,580 | 52,869 | 39,646 | 52,389 | 25,024 | 45,755 |
| **FK** | 3,956 | 8,694 | 10,711 | 18,440 | 14,610 | 22,388 | 15,051 | 10,754 | 7,079 | 10,286 |
| **JP** | - | - | - | - | - | 0 | - | - | - | - |
| **KR** | 0 | 3 | 7 | 62 | 110 | 337 | 215 | 255 | 305 | 511 |
| **PA** | - | - | 104 | - | - | - | - | - | - | - |
| **RU** | - | - | - | - | - | 0 | - | - | - | - |
| **UK** | 446 | 568 | 716 | 824 | 937 | 857 | 794 | 111 | 28 | 36 |
| **UY** | - | 7 | - | - | - | - | - | - | - | - |
| | **8,641** | **21,012** | **30,386** | **60,601** | **58,236** | **76,451** | **55,705** | **63,510** | **32,436** | **56,589** |

Table L.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | - | 7 | - | - | - | - | - | - | - | - |
| **600-799** | 93 | 724 | 2,405 | 3,862 | 3,907 | 5,439 | 3,263 | 5,020 | 3,247 | 3,502 |
| **800-999** | 644 | 3,717 | 3,349 | 8,775 | 9,910 | 9,036 | 8,051 | 8,275 | 4,520 | 9,895 |
| **1,000-1,499** | 4,088 | 9,751 | 15,657 | 34,620 | 33,983 | 43,221 | 30,025 | 35,142 | 19,092 | 29,845 |
| **1,500-1,999** | 1,838 | 3,976 | 5,563 | 8,473 | 7,056 | 13,973 | 12,488 | 13,461 | 4,639 | 11,615 |
| **2,000-2,999** | 1,978 | 2,837 | 3,395 | 4,871 | 3,380 | 4,782 | 1,864 | 1,586 | 921 | 1,722 |
| **>2,999** | - | - | 18 | - | - | 0 | 14 | 26 | 16 | 10 |
| | **8,641** | **21,012** | **30,386** | **60,601** | **58,236** | **76,451** | **55,705** | **63,510** | **32,436** | **56,589** |

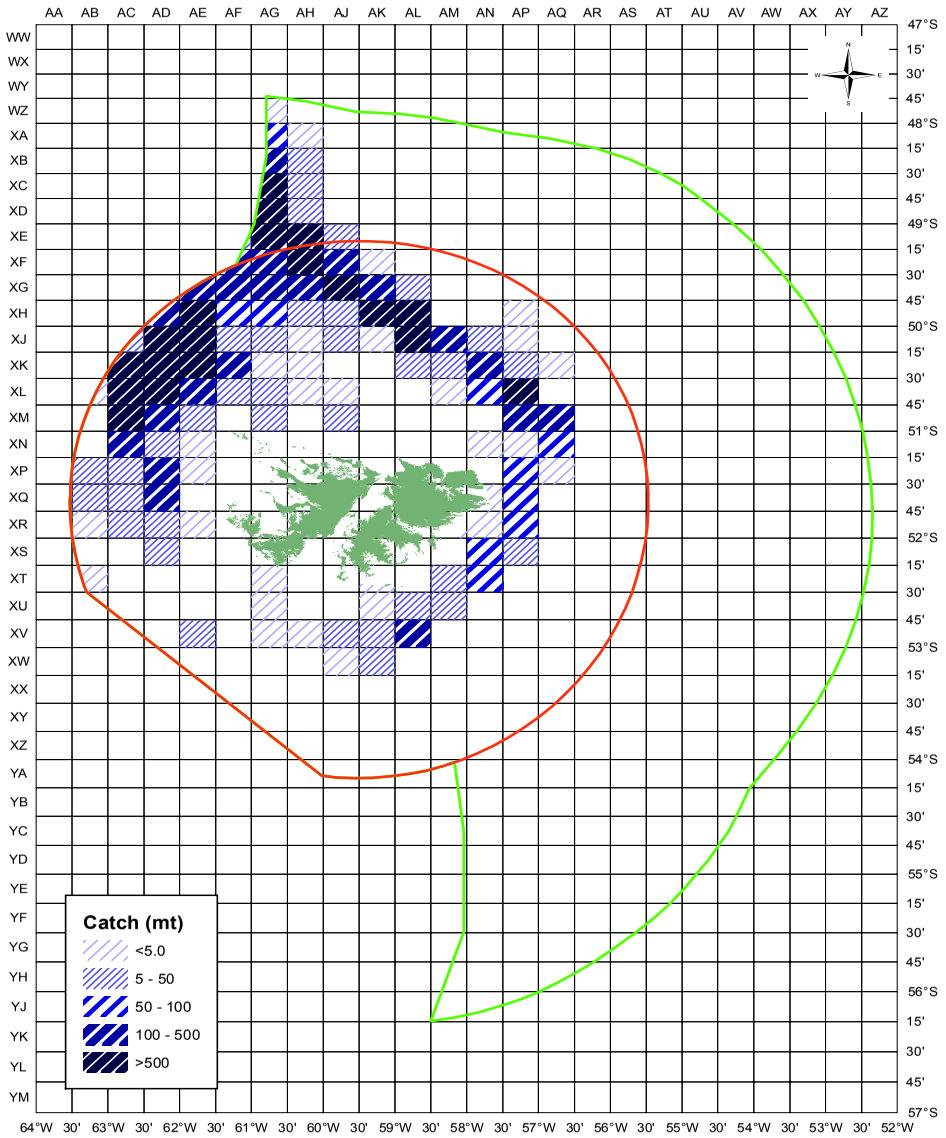
Table L.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | 153 | 447 | 581 | 406 | 1,320 | - | 423 | 206 |
| **45-49** | 210 | 1,891 | 3,461 | 6,334 | 6,985 | 6,398 | 4,042 | 5,446 | 3,589 | 3,584 |
| **50-54** | 1,046 | 2,988 | 2,285 | 3,238 | 3,382 | 4,559 | 4,022 | 6,086 | 2,357 | 6,435 |
| **55-59** | 961 | 2,987 | 4,631 | 13,904 | 10,152 | 16,608 | 10,374 | 9,415 | 6,466 | 6,295 |
| **60-64** | 2,080 | 4,657 | 7,177 | 15,226 | 16,456 | 16,865 | 13,966 | 16,781 | 9,192 | 16,606 |
| **65-69** | 2,630 | 4,965 | 8,032 | 10,892 | 11,095 | 18,160 | 12,406 | 14,543 | 6,245 | 12,858 |
| **70-79** | 865 | 2,604 | 4,136 | 9,922 | 9,318 | 13,009 | 8,946 | 10,628 | 3,926 | 10,173 |
| **80-89** | 803 | 553 | 235 | 359 | 129 | 127 | 463 | 308 | 111 | 161 |
| **>89** | 46 | 367 | 276 | 280 | 138 | 320 | 167 | 302 | 125 | 271 |
| | **8,641** | **21,012** | **30,386** | **60,601** | **58,236** | **76,451** | **55,705** | **63,510** | **32,436** | **56,589** |

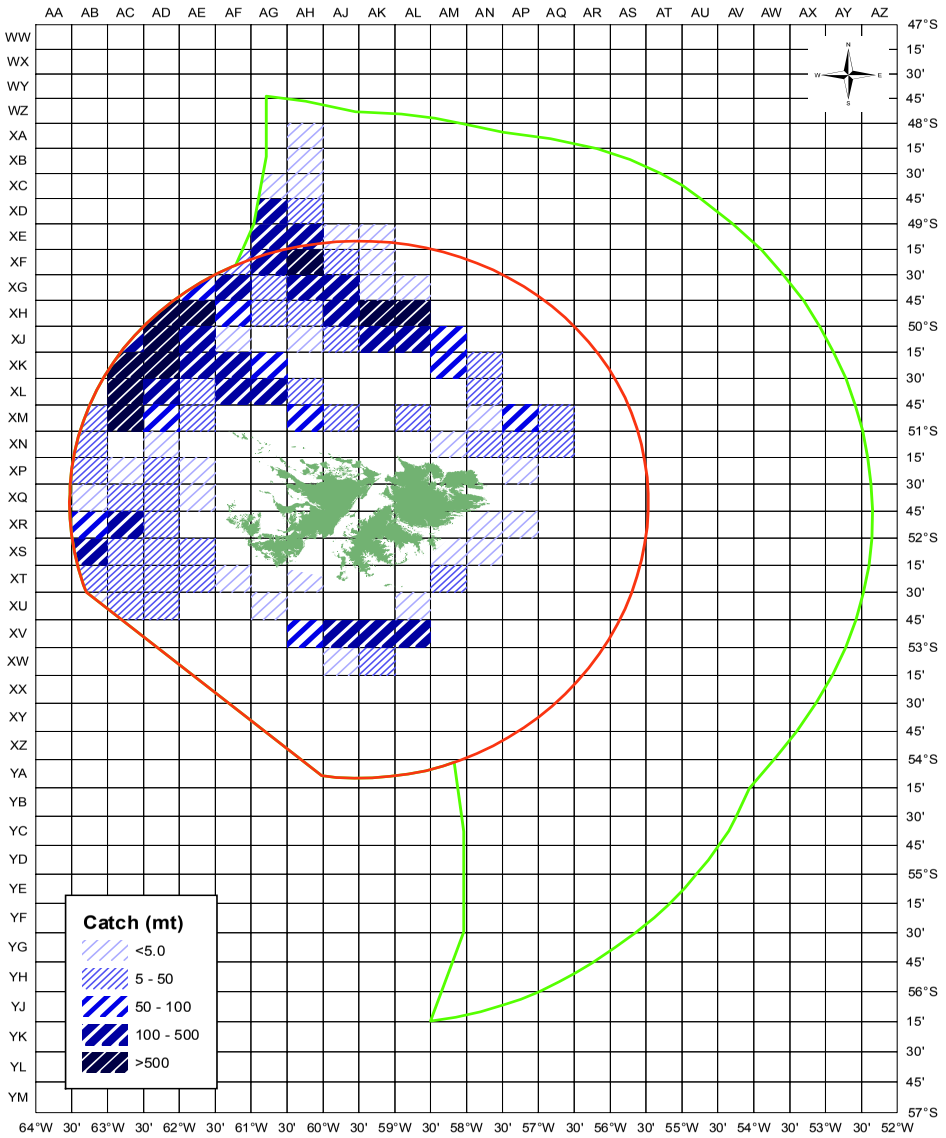
Table L.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | 0 | - | - | 777 | - |
| **1,000-1,199** | - | - | - | - | - | 406 | 829 | - | 423 | 206 |
| **1,200-1,399** | 41 | 419 | 1,590 | 1,922 | 1,278 | 1,759 | 1,116 | 2,358 | 1,442 | 1,828 |
| **1,400-1,599** | 1,093 | 4,104 | 3,674 | 6,287 | 7,987 | 7,410 | 6,276 | 7,034 | 2,940 | 8,255 |
| **1,600-1,799** | 950 | 2,932 | 5,181 | 11,351 | 9,680 | 11,480 | 6,858 | 8,410 | 4,838 | 6,048 |
| **1,800-1,999** | 3,128 | 7,027 | 10,556 | 20,096 | 19,088 | 30,393 | 20,282 | 24,136 | 10,812 | 17,282 |
| **2,000-2,499** | 812 | 2,643 | 4,833 | 14,870 | 15,482 | 18,777 | 16,983 | 17,959 | 8,803 | 18,922 |
| **2,500-2,999** | 46 | 370 | 370 | 341 | 241 | 573 | 571 | 2,011 | 1,345 | 2,316 |
| **3,000-3,999** | 2,197 | 2,710 | 3,618 | 5,056 | 4,050 | 5,192 | 2,056 | 1,140 | 746 | 1,345 |
| **>3,999** | 373 | 808 | 565 | 679 | 430 | 462 | 733 | 463 | 309 | 387 |
| | **8,641** | **21,012** | **30,386** | **60,601** | **58,236** | **76,451** | **55,705** | **63,510** | **32,436** | **56,589** |

*Patagonotothen ramsayii*
Second Season 2014 (01 Jul to 31 Dec)

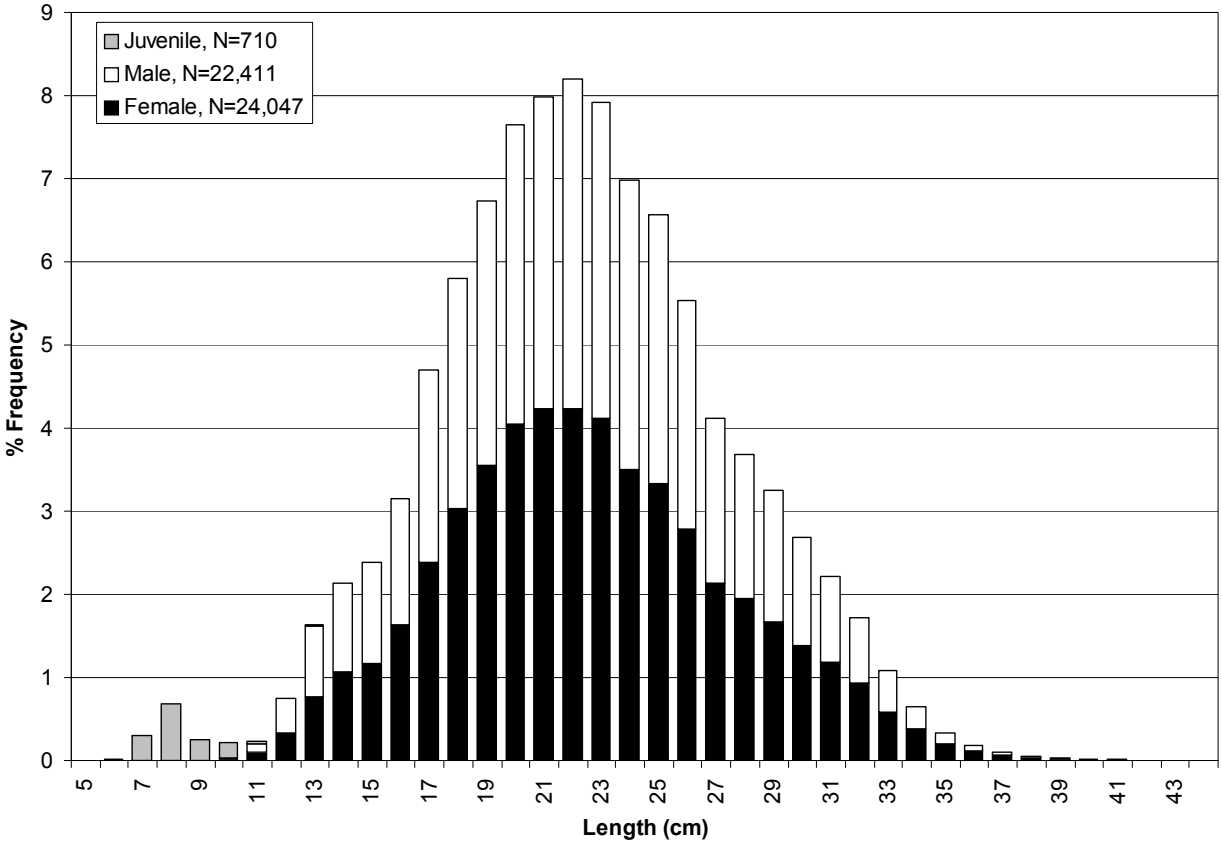


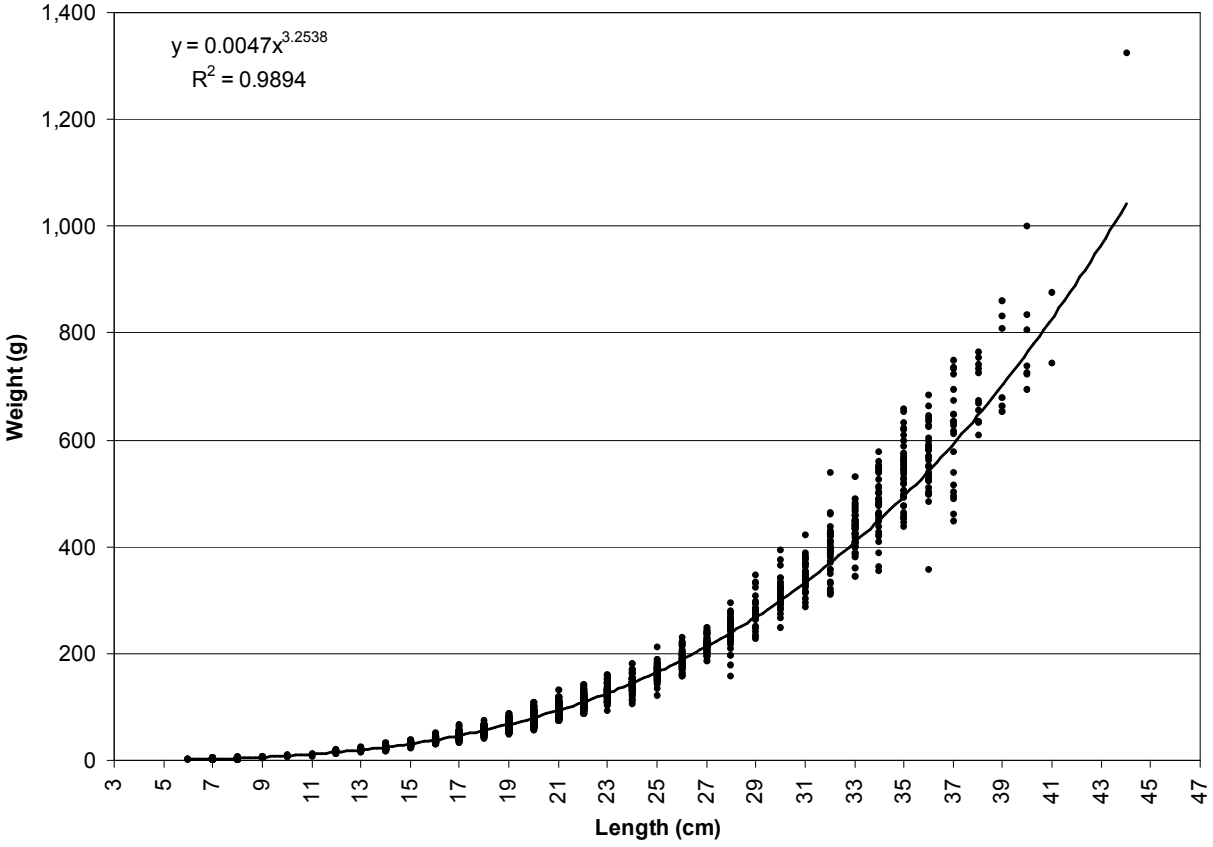

*Patagonotothen ramsayi*
First Season 2014 (01 Jan to 30 Jun)



## *Patagonotothen ramsayi*—Rock Cod

Length– frequency distribution and length-weight relationship in 2014



## *Zygochlamys patagonica* - Scallop

Table N.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **TR** | 1,358 | 1,161 | 14* | 6* | 13* | 3* | 11* | 0* | 0* | 1* |
| | **1,358** | **1,161** | **14*** | **6*** | **13*** | **3*** | **11*** | **0*** | **0*** | **0*** |

* - No targetted fishery, just a discarded bycatch.

Table N.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 420 | 342 | - | - | - | - | - | - | - | - |
| **February** | 207 | 273 | 0 | 0 | 1 | - | 3 | - | - | 0 |
| **March** | 574 | 450 | 8 | 3 | 9 | 1 | 8 | - | 0 | 1 |
| **April** | 75 | 18 | 4 | 1 | 2 | - | - | - | - | - |
| **May** | - | 74 | - | - | - | - | - | - | - | - |
| **June** | - | - | - | - | - | - | - | - | - | - |
| **July** | 0 | - | 0 | 1 | - | 2 | 1 | 0 | - | - |
| **August** | 0 | - | 1 | 0 | - | 0 | - | - | 0 | - |
| **September** | - | - | - | 0 | - | 0 | 0 | - | 0 | - |
| **October** | - | - | - | - | 0 | - | - | - | - | - |
| **November** | 67 | 5 | - | - | - | - | - | - | - | - |
| **December** | | - | - | - | - | - | - | - | - | - |
| | **1,358** | **1,161** | **14*** | **6*** | **13*** | **3*** | **11*** | **0*** | **0*** | **1*** |

Table N.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **FK** | 12 | 7 | 13 | 6 | 12 | 3 | 11 | 0 | 0 | 1 |
| **PA** | - | - | 1 | - | - | - | - | - | - | - |
| **UK** | 1 | 3 | 0 | - | 0 | 0 | - | - | - | - |
| **UY** | 1,346 | 1,152 | - | - | - | - | - | - | - | - |
| | **1,358** | **1,161** | **14*** | **6*** | **13*** | **3*** | **11*** | **0*** | **0*** | **1*** |

## *Zygochlamys patagonica* - Scallop

Table N.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | - | - | - | - | - | - | - | - | - | - |
| **400-599** | 1,346 | 1,152 | - | - | - | - | - | - | - | - |
| **600-799** | - | - | - | - | - | - | - | - | - | - |
| **800-999** | - | - | - | - | 2 | - | 1 | - | - | - |
| **1,000-1,499** | - | - | 1 | - | 3 | - | 2 | - | - | - |
| **1,500-1,999** | 1 | 3 | 0 | - | 0 | 0 | 6 | - | - | - |
| **2,000-2,999** | 11 | 7 | 13 | 6 | 8 | 3 | 3 | 0 | 0 | 1 |
| **>2,999** | - | - | - | - | - | - | - | - | - | - |
| | **1,358** | **1,161** | **14*** | **6*** | **13*** | **3*** | **11*** | **0*** | **0*** | **1*** |

Table N.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | - | - | - | - | - | - | - | - | - | - |
| **45-49** | - | - | - | - | 2 | - | 1 | - | - | - |
| **50-54** | 1,346 | 1,152 | - | - | - | - | - | - | - | - |
| **55-59** | - | - | - | - | 3 | - | 2 | - | - | - |
| **60-64** | 4 | 2 | - | - | - | - | - | - | - | - |
| **65-69** | 1 | 3 | 0 | - | 0 | 0 | - | - | - | - |
| **70-79** | 7 | 5 | 14 | 6 | 8 | 3 | 8 | - | - | 1 |
| **80-89** | - | - | - | - | - | - | - | 0 | 0 | 0 |
| **>89** | - | - | 0 | 0 | - | - | 1 | - | 0 | - |
| | **1,358** | **1,161** | **14*** | **6*** | **13*** | **3*** | **11*** | **0*** | **0*** | **1*** |

Table N.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | - | - | - | - | - | - | - | - | - | - |
| **1,000-1,199** | - | - | - | - | - | - | - | - | - | - |
| **1,200-1,399** | - | - | - | - | - | - | - | - | - | - |
| **1,400-1,599** | - | - | - | - | - | - | - | - | - | - |
| **1,600-1,799** | - | - | - | - | - | - | - | - | - | - |
| **1,800-1,999** | - | - | - | - | 2 | - | 1 | - | - | - |
| **2,000-2,499** | 1,347 | 1,152 | - | - | 3 | 0 | 8 | - | - | - |
| **2,500-2,999** | - | - | 1 | 0 | - | - | 1 | - | 0 | - |
| **3,000-3,999** | 12 | 9 | 13 | 6 | 8 | 3 | 2 | - | - | 1 |
| **>3,999** | - | - | - | - | - | - | - | 0 | 0 | 0 |
| | **1,358** | **1,161** | **14*** | **6*** | **13*** | **3*** | **11*** | **0*** | **0*** | **1*** |

# Others

Table O.1 Total catch (tonnes) by vessel type and year

| VESSEL TYPE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **PO** | 163 | 154 | 90 | 115 | 98 | 91 | 125 | 99 | 89 | 76 |
| **LO** | - | 33 | 26 | - | - | 1 | - | - | 3 | 1 |
| **TR** | 1,924 | 1,192 | 1,382 | 1,365 | 1,130 | 600 | 2,264 | 468 | 920 | 281 |
| | **2,087** | **1,378** | **1,498** | **1,479** | **1,228** | **692** | **2,389** | **567** | **1,011** | **358** |

Table O.2 Total catch (tonnes) by month and year

| MONTH | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 19 | 25 | 25 | 74 | 59 | 14 | 27 | 17 | 42 | 11 |
| **February** | 545 | 213 | 230 | 109 | 700 | 36 | 68 | 24 | 216 | 75 |
| **March** | 301 | 369 | 354 | 159 | 171 | 71 | 32 | 29 | 177 | 44 |
| **April** | 187 | 170 | 44 | 72 | 55 | 77 | 65 | 37 | 106 | 32 |
| **May** | 149 | 18 | 77 | 60 | 33 | 14 | 349 | 26 | 27 | 11 |
| **June** | 9 | 17 | 5 | 31 | 18 | 6 | 921 | 10 | 21 | 34 |
| **July** | 18 | 25 | 35 | 341 | 9 | 17 | 572 | 26 | 10 | 31 |
| **August** | 207 | 88 | 88 | 243 | 21 | 178 | 89 | 104 | 184 | 26 |
| **September** | 390 | 316 | 87 | 38 | 56 | 118 | 73 | 145 | 45 | 44 |
| **October** | 184 | 73 | 114 | 30 | 45 | 20 | 126 | 63 | 85 | 19 |
| **November** | 35 | 52 | 425 | 96 | 41 | 99 | 40 | 54 | 75 | 21 |
| **December** | 40 | 12 | 13 | 226 | 21 | 41 | 26 | 32 | 25 | 10 |
| | **2,087** | **1,378** | **1,498** | **1,479** | **1,228** | **692** | **2,389** | **567** | **1,011** | **358** |

Table O.3 Total catch (tonnes) by fishing fleet and year

| FISHING FLEET | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL** | - | - | 14 | - | - | - | - | - | - | 10 |
| **EE** | - | 4 | - | - | - | - | - | - | - | - |
| **ES** | 970 | 782 | 647 | 1,166 | 970 | 318 | 2,008 | 258 | 261 | 114 |
| **FK** | 1,026 | 454 | 631 | 300 | 233 | 320 | 353 | 295 | 737 | 228 |
| **JP** | 4 | 4 | 1 | 4 | 2 | 38 | 5 | 0 | - | - |
| **KR** | 84 | 124 | 86 | 7 | 14 | 10 | 23 | 11 | 9 | 6 |
| **PA** | - | - | 70 | - | - | - | - | - | - | - |
| **RU** | - | - | - | - | - | 1 | - | - | - | - |
| **UK** | 3 | 7 | 48 | 2 | 9 | 4 | 0 | 3 | 5 | 0 |
| **UY** | - | 4 | - | - | - | - | - | - | - | - |
| | **2,087** | **1,378** | **1,498** | **1,479** | **1,228** | **692** | **2,389** | **567** | **1,011** | **358** |

## Others

Table O.4 Total catch (tonnes) by gross registered tonnage (GRT) and year

| GRT | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<400** | 0 | - | - | - | - | - | - | - | 3 | 1 |
| **400-599** | 18 | 11 | - | - | - | - | - | - | - | - |
| **600-799** | 35 | 53 | 96 | 87 | 11 | 66 | 97 | 16 | 20 | 27 |
| **800-999** | 587 | 247 | 185 | 310 | 186 | 167 | 184 | 159 | 267 | 81 |
| **1,000-1,499** | 862 | 584 | 711 | 172 | 165 | 209 | 1,863 | 161 | 604 | 132 |
| **1,500-1,999** | 371 | 275 | 255 | 860 | 827 | 203 | 227 | 187 | 83 | 86 |
| **2,000-2,999** | 210 | 206 | 249 | 46 | 36 | 9 | 12 | 43 | 34 | 28 |
| **>2,999** | 4 | 4 | 1 | 4 | 2 | 38 | 6 | 0 | - | 3 |
| | **2,087** | **1,378** | **1,498** | **1,479** | **1,228** | **692** | **2,389** | **567** | **1,011** | **358** |

Table O.5 Total catch (tonnes) by length overall (m) (LOA) and year

| LOA | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<45** | 0 | - | 6 | 28 | 4 | 0 | 6 | - | 3 | 1 |
| **45-49** | 200 | 82 | 144 | 250 | 54 | 67 | 107 | 32 | 20 | 7 |
| **50-54** | 412 | 156 | 103 | 106 | 115 | 133 | 157 | 124 | 251 | 98 |
| **55-59** | 170 | 121 | 142 | 30 | 76 | 132 | 104 | 77 | 432 | 95 |
| **60-64** | 565 | 504 | 591 | 37 | 81 | 21 | 1,764 | 62 | 32 | 11 |
| **65-69** | 537 | 271 | 216 | 835 | 803 | 119 | 148 | 145 | 219 | 94 |
| **70-79** | 115 | 74 | 266 | 182 | 86 | 177 | 95 | 105 | 48 | 25 |
| **80-89** | 74 | 166 | 10 | 2 | 1 | 2 | 1 | 16 | 3 | 9 |
| **>89** | 12 | 5 | 20 | 9 | 10 | 41 | 6 | 6 | 4 | 19 |
| | **2,087** | **1,378** | **1,498** | **1,479** | **1,228** | **692** | **2,389** | **567** | **1,011** | **358** |

Table O.6 Total catch (tonnes) by brake horsepower (BHP) and year

| BHP | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|
| **<1,000** | 0 | - | - | - | - | 1 | - | - | 3 | 1 |
| **1,000-1,199** | - | - | - | - | - | 0 | 1 | - | 0 | - |
| **1,200-1,399** | 9 | 19 | 29 | 38 | - | 3 | 1 | 2 | 9 | 1 |
| **1,400-1,599** | 487 | 227 | 196 | 328 | 173 | 194 | 175 | 133 | 278 | 107 |
| **1,600-1,799** | 157 | 50 | 94 | 5 | 45 | 83 | 71 | 7 | 334 | 91 |
| **1,800-1,999** | 799 | 276 | 181 | 841 | 792 | 138 | 181 | 173 | 259 | 77 |
| **2,000-2,499** | 318 | 513 | 570 | 190 | 156 | 209 | 1,920 | 180 | 78 | 44 |
| **2,500-2,999** | 67 | 70 | 149 | 11 | 21 | 13 | 23 | 27 | 13 | 22 |
| **3,000-3,999** | 169 | 210 | 268 | 42 | 36 | 9 | 11 | 25 | 32 | 3 |
| **>3,999** | 80 | 12 | 11 | 25 | 4 | 40 | 6 | 20 | 6 | 12 |
| | **2,087** | **1,378** | **1,498** | **1,479** | **1,228** | **692** | **2,389** | **567** | **1,011** | **358** |

# Others

Table O.7 Total catch (tonnes) of others by species in 2014

| Common name | Latin Name | Catch mt |
|---|---|---|
| Blue Antimora | *Antimora rostrata* | 13.8 |
| Butterfish | *Stromateus brasiliensis* | 1.8 |
| Crab | Lithodidae | 1.2 |
| Dogfish, Spurdog | *Squalus acanthias* | 54.5 |
| Dogfish/Catshark | *Schroederichthys bivius* | 0.6 |
| Eelpout | *Iluocoetes fimbriatus* | 0.2 |
| Falkland Herring | *Sprattus fuegensis* | 25.9 |
| Frogmouth | *Cotterperca gobio* | 7.7 |
| Greater Hooked Squid | *Moroteuthis ingens* | 5.7 |
| Greenland Shark | *Somniosus microcephalus* | 4.5 |
| Grenadier | Macrouridae | 216 |
| Hagfish | Myxinidae | 0.2 |
| Horsefish | *Congiopodus peruvianus* | 0 |
| Icefish | *Champsocephalus esox* | 0.2 |
| Moonfish | *Lampris immaculatus* | 1 |
| Notothenid | *Patagonotothen tessellata* | 0.2 |
| Others | Others | 10.6 |
| Porbeagle | *Lamna nasus* | 1 |
| Red Fish | *Sebastes oculatus* | 12 |
| Slender Tuna | *Allothunnus fallai* | 1 |
| | *Total* | 358.1 |

FALKLAND ISLANDS COMMERCIAL FISH & SHELLFISH