# FALKLAND ISLANDS GOVERNMENT FISHERIES DEPARTMENT 



# FISHERY STATISTICS 

Volume 16
(2002-2011)
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For citation purposes this publication should be referenced as follows:

Falkland Islands Government, (2012).
Fisheries Department Fisheries Statistics, Volume 16, 2010: 72 pp
Stanley, FIG Fisheries Department

Stanley,
Falkland Islands

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## FOREWORD

## 1. The Falkland Islands' Fishery - 2011

Similar to the previous year, the total catch in the Falkland fishery in 2011 was close to the average level for the last twenty years ( $\sim 225,500 \mathrm{t}$ ). The composition of this catch has changed with Illex squid taking its usual first place with a total annual catch of $79,000 \mathrm{t}$. Catches of rock cod decreased to $55,600 \mathrm{t}$ mainly due to a decrease in fishing effort rather than change in fish biomass. After high abundance observed in 2010, the total catch of Loligo squid was just over a half of that of the last year due to a decrease in abundance and also stock dispersal as a result of unfavourable weather conditions.

### 1.1. Illex argentinus - Illex squid

Compared to the last two years, the stocks of Illex partially recovered in 2011. It was due to both higher fecundities of squid observed at the end of the 2010 fishing season and favourable environmental conditions in the spawning grounds in August-September 2010 that both contributed to a good recruitment in 2011.

In the beginning of the year, the oceanographic situation was characterized by a gradual shift from slight negative of sea surface temperature (SST) anomalies observed in the Southwest Atlantic in January to positive SST anomalies registered in February.

In January - February, between 1 and 13 trawlers reported their catches from the high seas. Catches of Illex were poor in January (1-2 t per day), with a small peak in CPUEs of 5-6 t per day recorded in the middle of the month. Catches in February were marginally better in the first three weeks of the month ( $5-7 \mathrm{t}$ per day), and increased sharply to 20-27 t per day at the end of the month, when immature squid of the South Patagonian Stock started to migrate southwards to their feeding grounds in the north-western part of FICZ.

The fishery for Illex in Falkland waters started on the $15^{\text {th }}$ February, with 13 jiggers reporting almost zero catches. By the $18^{\text {th }}$ February they disappeared to the High Seas, and started to come back on $25^{\text {th }}$ February, when six vessels had an average CPUE of less than $10 t$ per night. An increase in catches on $27^{\text {th }}$ February (up to 20 t per night) attracted the majority of the jigging fleet back into FICZ, and on the last day of the month 54 vessels were fishing with a mean CPUE of 11 t per night (maximum 56 t per night).

The oceanographic situation in FICZ in March 2011 was characterized by strong positive SST anomalies $\left(1-1.5^{\circ} \mathrm{C}\right)$ that were much warmer than in March 2010 and slightly warmer than in March 2009. Sixty two
jigging vessels fished for Illex from the $1^{\text {st }}$ of March, with their numbers gradually increasing to 88 vessels by the $8^{\text {th }}$ of March and 90 vessels by the $28^{\text {th }}$ of March. Daily CPUEs were at moderate level (mean monthly CPUE of 22 t per night) and variable. In the same grid square, some vessels could have 40 t of squid per night, and some only 4-5 t per night. Maximum CPUEs (125-130 t per night) were reported in the second half of the month. Most of the yield was taken on the boundary of a warm inflow of shelf waters to the north of East Falkland. Squid in catches were larger than in the last three years, with the average size of males being 26 cm ML , and females $27-28 \mathrm{~cm}$ ML. Males were predominantly mature, whereas females were immature and maturing. Two peaks in CPUEs for trawlers were observed on the high seas, the first occurring between the $1^{\text {st }}$ and $10^{\text {th }}$ March (20-24 t per day), and the second between $24^{\text {th }}$ and $31^{\text {st }}$ of March (15-25 t per day). Usually, good catches in the second half of March are indicative of either moderate or high abundance of the late South Patagonian stock (LSPS) that migrates through Falkland waters in the second half of April or May.

In April, the SST suddenly dropped causing weak negative anomalies almost everywhere around the Falkland Islands, except the northern and north-eastern parts of FICZ, where the temperatures were close to normal. The whole jigging fleet ( 90 vessels) carried on fishing in the north-eastern and eastern periphery of the warm water inflow that was present in the northern part of FICZ throughout the month. In the first week of April, catches were generally good with average daily CPUEs of 15-25 t per night (maximum 96 t per night). Then squid of the early South Patagonian stock (ESPS) began their northward pre-spawning migrations that resulted in gradual decrease in catches to $4-10 \mathrm{t}$ per night (maximum 63 t per night). Aggregations of ESPS virtually disappeared from FICZ in the second half of April. Jigger catches dropped down to 1-2 t per night (maximum 10 t per night), and vessels started to leave the fishery. By the end of the month, only 27 jiggers were reported fishing in FICZ, having almost no catch. In the next two days, all jigging vessels left Falkland waters. Finfish fleet had some Illex by-catch in the north-western part of FICZ in May, but daily CPUE did not exceed 1 t per day. Taking into account a relation between number of jiggers and their efficiency, the stock status of Illex in 2011 was estimated to be between low and medium. The second wave of abundance of SPS (late SPS) has not appeared in FICZ in April-May presumably because of negative anomalies in SST similar to 2002.

A total of 79,384 tof squid was harvested in FICZ/FOCZ in 2011, being much higher than in the last two years due to the partial recovery in abundance of the early spawning South Patagonian Stock (ESPS).

### 1.2. Loligo gahi - Patagonian squid

The stock recruitment relationship in squid is poor due to their short life cycle and drastic changes in mortality due to variability in environmental conditions. The year 2011 proved this another time with moderate abundances of squid compared with those observed in the bumper year of 2010. A pre-season biomass survey for the $1^{\text {st }}$ Loligo season was conducted in the Loligo Box from February $9^{\text {th }}$ to February $23^{\text {rd }}$, onboard the F/V Venturer. The survey caught 50.3 t of Loligo in 59 scientific trawls, giving a geo-statistical estimate of $16,095 \mathrm{t}$ of squid in the fishing grounds. This represented the lowest pre-season biomass for the first season since 2008.

The first fishing season started on $24^{\text {th }}$ February with 16 C-licensed trawlers. For the first three days all vessels fished around the Beauchêne Island at various depths. The abundance of Loligo was quite low in the south, and after a significant drop in catches on the $26^{\text {th }}$ February ( 6 t per day), a majority of the trawlers relo-
cated to the northern part of the box, where they found denser aggregations of Loligo (mean 17 t per day, with maximum catches of 29 t per day). Squid were larger than during the same period of 2010, having higher growth rates in warmer waters.

In March, weather conditions (decreased westerly winds) and a shift of the Falkland Current further offshore failed to create strong oceanographic fronts neither near Beauchêne Island nor in the northern part of the Loligo box, and therefore did not favour aggregation of squid schools in these areas. Catches in the northern part of the Loligo Box peaked on the $8^{\text {th }}$ March ( 37 t per night), but then CPUEs gradually decreased to 2-5 t per day by $18-19^{\text {th }}$ March. Most of the trawlers started to target Illex which was very abundant in the northern part of the Loligo box apparently preying upon Loligo. Having the data through March 20, the depletion model projected that the Loligo biomass in the north was just under $7,000 \mathrm{t}$ on the $6^{\text {th }}$ March, and would fall to approximately $1,320 \mathrm{t}$ by the end of March. This was significantly below the conservation target for the Loligo population. Given the indications that the northern part of the Loligo population has been depleted, it was recommended to suspend the directed fishing for Loligo north of $52^{\circ} \mathrm{S}$ from $23^{\text {rd }}$ to the end of March to allow for partial recovery of the Loligo sub-population in that area. For the rest of the month, the whole Loligo fleet fished in the southern part of the Loligo box, and had reasonable catches with mean CPUEs of 22 t per day.

After lifting the temporal fishing ban for the northern part of the Loligo box on the $1^{\text {st }}$ of April, most of the fleet went there to check the fishery situation. After having low catches (4-6 t per day), the trawlers returned to fish in the southern part of the Loligo box, where catches were higher (15-25 t per day). In the first week of April, some vessels periodically fished in the north, having variable catches (15-50 t per day). The unstable fishery carried on until the official end of the season on $14^{\text {th }}$ April, with several waves of abundance arriving both to the northern and southern parts of the box.

Overall, the total in-season immigration of Loligo into the fishing area was estimated at 10,415 $\pm$ $6,892 \mathrm{t}$. Combined with the pre-season estimate of $16,095 \pm 8,263 \mathrm{t}$, a total of $26,510 \pm 10,760 \mathrm{t}$ of Loligo were present in the Loligo box during the first season of 2011. The final total biomass of Loligo remaining in the Box at the end of the season was estimated to be $9,115 \mathrm{t}$, with $95 \%$ confidence intervals of $5,735 \mathrm{t}$ to $16,026 \mathrm{t}$. The risk of Loligo escapement biomass at the end of the season being less than $10,000 \mathrm{mt}$ was estimated at $53.5 \%$. Over the entire season, $8,648 \mathrm{t}$ of Loligo were caught in the northern sub-area and $6,622 \mathrm{t}$ in the southern sub-area. The total catch of $15,271 \mathrm{t}$ was the $2^{\text {nd }}$-lowest for the first season since 2004.

A pre-season biomass survey for the $2^{\text {nd }}$ Loligo season was conducted from June $30^{\text {th }}$ to July $14^{\text {th }}$, onboard the F/V Igueldo. The survey caught 275.6 t of Loligo in 59 scientific trawls, which was the highest survey catch on record for a second season since the current survey format was initiated. The survey catch distribution extrapolated to an estimate of $51,562 \mathrm{t}$ on the fishing grounds, slightly less than the second pre-season estimate of the year before.

Despite good results and relatively high estimate of pre-season biomass survey, commercial catches of Loligo were quite low. All 16 Loligo-licensed trawlers began to work in the southern part of the Loligo box on $15^{\text {th }}$ July and had reasonable catches during the first week of the fishery (19-28 t per day). Some vessels checked the northern area; where catches were generally lower (17-19 t, maximum 25 t per day). After a strong westerly storm on $23^{\text {rd }}$ July, catches in the southern region peaked up to $40-49 \mathrm{t}$ per day (maximum 70.5 t per day) in the next three days. Then, several days of southerly stormy winds made fishing in the southern area
very difficult, and trawlers moved to the northern part of the box having 14-15 t per day (maximum 34 t per day) until the end of the month. All squid were immature and belonged to the spring-spawning cohort.

After the peak in CPUEs on the $4^{\text {th }}$ August, when the average daily CPUE reached 36 t , catches gradually dropped to $10-15 \mathrm{t}$ in the second half of the month, and further to $6-8 \mathrm{t}$ by the end of the month. It was suggested that the reason of such low catches of Loligo this year was the relatively low abundance aggravated by stock dispersal. The environmental situation in August was quite exceptional with lots of quiet days, and a lack of westerly winds that were thought to favour Loligo aggregations.

All sixteen trawlers fished for Loligo until $11^{\text {th }}$ September, when the effort for one vessel (Venturer) expired and she left the fishery. The catches were quite low but stable in the first three weeks of the month, with average CPUEs being around 10 t per day (maximum 28 t per day). As there was no sign of any additional recruitment into the fishery, the fleet was given a 1 week warning of possible early closure of the fishery on $22^{\text {nd }}$ September. On that day, the Loligo biomass remaining in the fishing area was estimated at 20,660 t. Projection of the depletion model forward to $30^{\text {th }}$ September estimated the biomass of 20,064 t. Effectively, the depletion model had reached a 'flat-line' state, at which the consistent but low catches were not introducing any further signal to the model that indicated a risk of stock depletion. This diminished the stability of the model and the predictability of the biomass, motivating the decision to close the fishery early. As a result, the Loligo fishery closed on $22^{\text {nd }}$ September, eight days before the normal season end. Up to that time, one in-season immigration pulse was detected in both the northern and southern areas. For the season, $4,956 \mathrm{t}$ of Loligo were caught in the northern area and $13,769 \mathrm{t}$ in the southern area. The total catch of $18,725 \mathrm{t}$ was the third lowest since 2004, and only about half of the year before. An estimated escapement biomass of 15,209 t Loligo was left in the water at the end of the second fishing season.

The total catch of Loligo in 2011 attained $34,682 \mathrm{t}$, which was the $5^{\text {th }}$ lowest annual catch in the last 20 years of the fishery.

### 1.3. Martialia hyadesi-Martialia squid

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

### 1.4. Micromesistius a. australis - Southern blue whiting

The poor state of southern blue whiting stocks in the South Atlantic has been evident for a couple of years now. The huge decline in biomass of this once very abundant fish has had economic impacts to the Falkland Islands and Argentine fisheries.

The estimated biomass in 2008 was about $26 \%$ of $\mathrm{B}_{0}$, which was regarded at a critical level and further annual iterations of this model have taken this figure to $22 \%$ in 2009 and $13 \%$ in 2010 . As with previous CASAL models and the RRAG VPA, the trend was declining. Both declining trend and lack of regional data highlighted the need for a resurrection of the South Atlantic Fisheries Commission (SAFC), or at least some agreement on data sharing and management. This decline is likely to have impacted the ecosystem. The large numbers of southern blue whiting removed from the ecosystem might play a part in the increasing abundance of rock cod regionally perhaps by making zooplankton prey more available.

Due to this pessimistic outlook of the southern blue whiting fishery it was recommended that the TAC
for $S$ licences remains at the reduced level of $6,000 \mathrm{t}$. It was also recommended that the temporal closure of the southern blue whiting spawning grounds in September remained closed for 2012 and for the foreseeable future.

The total catches in 2011 reached 3,974 t, with $57 \%$ of which being caught during surimi pelagic fishery. This made the 2011 the worst southern blue whiting catch on record, a testament to the critical status of this stock in the South Atlantic.

### 1.5. Macruronus magellanicus - hoki

Hoki is considered to be in good condition at present with total annual catches fluctuating between $15,900 \mathrm{t}$ to $27,000 \mathrm{t}$ in the last ten years. In Falkland waters, the fish has been targeted mainly by finfish trawlers, but also forms a bycatch during the Loligo, skate, and surimi fisheries. The total annual catch of hoki in $2011(22,865 \mathrm{t})$ was close to the average catch observed in the last decade.

The fishery for hoki started rather slowly in 2011, with only about 1,200-1,300 t caught in February and March. Most of the catches were taken to the northeast of the Falkland Islands, at water depths averaging 200 m . However, in autumn (April-May) the abundant and dense aggregations of hoki appeared in the southwestern part of FICZ, migrating from the Argentinean EEZ. Daily CPUEs varied between 0.1 and 100 t per day (mean 14.7 t ), with higher CPUEs observed in the first half of April.

In winter, a proportion of the stock emigrated from the Falkland waters to spawn, that caused a drop in catches with only 1,144 t caught in June. However, in July-August, feeding schools of fish which skipped spawning this year made some dense concentrations to the southwest and south of FICZ, and were successfully targeted by the finfish fleet. Maximum CPUEs reached 1.1-1.3 t per hour fishing in the second half of July. A total monthly catch of $2,775 \mathrm{t}$ of hoki was taken in July, which is the record catch of hoki for this time of the year. The catch in August ( $2,387 \mathrm{t}$ ) was also close to record catch for this month. However in spring catches of hoki decreased, when the finfish vessels started to fish more abundant and less agile concentrations of rock cod in the north-western part of the shelf.

In the absence of abundant stocks of southern blue whiting in summer, the surimi vessel targeted hoki that occurred in dense aggregations over the shelf break to the north-east of the Falkland Islands in December. As a result, from a total monthly catch of $2,687 \mathrm{t}$, a majority of it ( $2,020 \mathrm{t}, 75 \%$ ) was taken by that surimi trawler. Average daily CPUEs were high ( 70 t ), with maximum catches being as high as 261.5 t per day.

CPUE trends and sizes of fish in catches indicate that the risk of over-exploitation of hoki stocks in Falkland waters is low.

### 1.6. Merluccius hubbsi, Merluccius australis - Hakes

After more than 15 years of low abundance with the total catch of around $2,000 \mathrm{t}$ annually, the abundance of mostly common hake has increased in FICZ/FOCZ since 2006. Total annual catch reached 8,400 tin 2006, peaking up to $13,600 \mathrm{t}$ in 2010 . The reasons of such an increase in abundance are not entirely clear, as there is no indication of overall increase in abundance of hake stocks in the Southwest Atlantic. The analysis of hake distribution and migrations throughout the year revealed changes in the migration patterns of the southern populations of common hake (M. hubbsi). The fish migrates, now, in greater numbers to the north-western part of FICZ to feed on abundant rock cod.

In 2011, the abundance of fish migrating to Falkland waters was slightly lower than in the last two
years and resulted in a lower total annual catch $(9,900 \mathrm{t})$. The pattern in catches was quite similar to those observed in the last five years. In summer, hakes are still in their spawning grounds in the Argentinean EEZ, with monthly catches not exceeding 150-250 t. In April, hakes migrated in dense concentrations to the northwestern part of FICZ and usually stayed in warm water inflow of the Argentinean Drift. The total monthly catch in April ( $2,002 \mathrm{t}$ ) was the third highest catch in April in the last decade after two very productive years of 2009 and 2010. Catches in May were almost the same as in April with the total monthly catch of 1.947 t . However, in winter catches decreased primarily due to rather low fishing effort. In August-October, unrestricted finfish fleet targeted hakes again, with the highest catches observed in September (1,589 t). However, daily CPUEs were generally lower in September 2011 than 2010 (200-300 kg per hr), and decreased towards the end of the month to $100-150 \mathrm{~kg}$ per hr. In October, hakes started to migrate to the Argentinean EEZ to their spawning grounds. As a result, the total monthly catch of 931 mt was lower than in the previous two months of the fishery. However, this monthly catch is the third highest October catch for the last decade after two abundant years of 2006 and 2009. Daily CPUEs were higher in the beginning of the month, varying from 200 to 350 kg per hr . Then, they dropped to $30-50 \mathrm{~kg}$ per hr at the end of the month. Hakes were almost absent in the Falkland waters in November-December, having migrated to their spawning grounds elsewhere.

### 1.7. Genypterus blacodes - kingclip

Kingclip have a seasonal spawning migration in and out of the western parts of FICZ. In summer, approximately two thirds of the adult population move outside Falkland Islands waters to spawn. In autumn, kinglcip return to Falkland Islands waters, their main foraging grounds, resulting in an increased biomass in April-May. The fish forages until October-November and start to move to their spawning grounds in December.

The total catch of kingclip for 2011 reached 3,942 t making it the best annual catch since records began. The fishing effort in Falkland Islands finfish fisheries has remained relatively consistent since 2003 indicating that kingclip abundance is increasing. The factors influencing this increase are unclear but it is suspected that changes in regional oceanography may have caused a species range extension of kingclip on the Patagonian Shelf eastward into the FICZ. The increased biomass of rock cod, the main prey for kinglip, has also been suggested as another factor.

### 1.8. Salilota australis - red cod

As indicated in previous reports a stock assessment conducted in 2009 highlighted a regional decline in red cod biomass.

The total annual catch of red cod in 2011 was 4,206 t making it the $12^{\text {th }}$ best on record. Although higher than last year' catch, it is still below the mean annual catch (1987-2011) and this could be attributed to the closure of the spawning grounds in October for conservation. October is a month that historically has high catches when vessels target spawning and post spawning aggregations on their spawning grounds. Analyses of annual length frequency structure in the fishery revealed a strong recruitment of $1+$ and $2+$ fish which was an indication that the temporal spawning area closures had a positive effect on the red cod fishery.

### 1.9. Dissostichus eleginoides - Patagonian toothfish

The toothfish fishery was the first to be managed with TAC rather than TAE in the Falkland Islands. The TAC for 2011 was established at $1,200 \mathrm{t}$ plus a 155 t carry over from the previous year.

Catches were reasonably good until the CFL Gambler left the fishery in October for dry dock and maintenance in Montevideo. Catches over this period ranged between 0.01 and 11.28 t per day (mean 4.5 t ). The vessel returned to the fishery on the $28^{\text {th }}$ November with slightly reduced catch rates. The daily catches ranged between 0.125 and 9.9 t (mean 4.2 t ). The total catch for 2011 reached $1,221 \mathrm{t}$ with 134 t short of the total TAC plus carryover.

The cumulative catch taken by finfish trawlers on the shelf reached 338.5 t making it the $7^{\text {th }}$ highest on record. Trawlers continue to catch 3+ and 4+ indicating good recruitment to shelf waters in 2006 and 2007 which will benefit the longline fishery in $2-3$ years.

The 2011 stock assessment had similar results to those made in 2010. $\mathrm{SSB}_{0}$ and $\mathrm{B}_{0}$ were estimated at $27,418 \mathrm{t}$ and $61,178 \mathrm{t}$ respectively which were less than it was estimated with the last ASPM models; however, the ratio between $\mathrm{SSB}_{2010}$ and $\mathrm{SSB}_{0}$ was $56 \%$ which was higher than that calculated that calculated in 2010. The global MSY (trawlers and longliners) was calculated as 1,610 t. To estimate the proportion available to longliners, the mean trawler catch over the last 5 years ( 174 t ) was removed from the global MSY leaving $1,436 \mathrm{t}$. As this was a new model and due to some uncertainty coupled with the continued decline in SSB it was recommend that the TAC for 2012 remain at 1,200 t. It was noted that the total biomass was increasing and that the increased biomass on the shelf is likely to result in a slight increase in TAC in future years, this will be monitored closely. It was also recommended that the temporal spawning area closure on the Burdwood Bank in winter to continue during 2012 and for the foreseeable future.

### 1.10. Rajidae - Skates and rays

In 2011 6,949 t of skate were caught in Falkland Islands Conservation Zones. This represented a significant increase over the previous year's total of 5,891 t , and thereby the highest total catch since the start of a designated skate fishery in 1994. Total skate catches have been on an increasing trend since 1998.

Approximately $36 \%$ of the total catch $(2,519 \mathrm{t})$ was harvested as targeted catch under F- licenses. This was the lowest proportion since 1998. The absolute tonnage of the targeted catch also decreased from the year before ( $2,725 \mathrm{t}$ in 2010). The 2011 targeted catch was taken by four Korean vessels ( $2,092 \mathrm{t}$ in 180 vessel-days; average CPUE of $647 \mathrm{~kg} / \mathrm{hr}$ ) and three Spanish vessels ( 427 t in 77 vessel-days; average CPUE of $359 \mathrm{~kg} / \mathrm{hr}$ ). Half of this total targeted catch ( $1,267 \mathrm{t}$ ) was taken in August and September.

The highest proportion of skate was taken as bycatch under finfish licences $(3,979 t-57 \%$ of the total annual skate catch), much of it to the northwest of the Falkland Islands that might have been due to the stocks' migration from other parts of the Patagonian Shelf and slope. Small amounts of skate bycatch occurred in the Loligo fishery (292 t), longline fishery ( 55 t ), Illex fishery ( 50 t ), and under experimental licence ( 55 t ). A total of 198 t of skate catch were identified to species level by observers on 23 commercial vessels. The five most prevalent species were: B. brachyurops ( $31 \%$ ), D. chilensis ( $15 \%$ ), B. griseocauda (13\%), Bathyraja albomaculata (12\%) and Amblyraja georgiana (6\%).

### 1.11. Patagonotothen ramsayi - Rock cod

The annual catch of rock cod achieved 55,648 t and was very similar to years 2008 and 2009. A total of $88.2 \%$ of the catch were processed. Most of the fish (91.5\%) was taken by finfish fleet particularly by Wlicensed vessels $(24,500 \mathrm{t})$. The bycatch taken by the Loligo trawlers was $3,492 \mathrm{t}$. A research cruise in February 2011 did not reveal any important changes in rock cod biomass compared to last year.

The rock cod was fished mostly on the northern and northwestern shelves between 140 and 190 m with some shift of fishery grounds northward during autumn and winter. Fishing depths were the shallowest in January - April (140-170 m), and then vessels began to fish deeper (170-180 m in May - June and 180-250 m in July - September). Between October and December most of the fish was caught at 170-190 m.

Mean daily catches of finfish trawlers were $\sim 20-40 t$ in January - February and then decreased to 515 t in March - early April. Because of the high abundance of Illex squid in the FICZ in March - April, Glicensed boats targeted this squid rather than rock cod, and CPUEs for $P$. ramsayi were about 10-12 t per day versus 25-30 t per day in 2010. As a result, the cumulative catch of rock cod by the $1^{\text {st }}$ May was already $\sim$ $11,000 \mathrm{t}$ lower than in 2010. From mid April to mid June catches fluctuated widely from 15 to 45 t , and then gradually decreased to 5-10 t in the end of July. A decrease in catches in June - July was caused by the fleet targeting hoki in the south-western FICZ (XVAE-XVAF-XUAF) outside the common fishing grounds for rock cod. By the $1^{\text {st }}$ August the discrepancy between 2010 and 2011 was already $\sim 15,000 \mathrm{t}$. The CPUEs for rock cod by finfish fleet were low in August - September (3-7 t per day). In mid - October CPUEs increased to 20$30 t$ per day but then fell to $10-15 \mathrm{t}$ per day possibly because of the fish redistribution with a sharp positive temperature anomaly that began to develop in the Falkland waters in November.

Fish size in the catches of finfish fleets varied from 11 to 41 cm , mean 25.4 cm , mode 25 cm with a symmetric distribution of sizes at both sides of the mode (normal distribution). In the previous year the mean size was smaller ( 25.0 cm ) and the modal size ( 26 cm ) was larger than in 2011. It happened because in the year 2010 (as well as in 2009 and 2008) the size distribution was asymmetrical, biased to higher abundance of small immature fish of 18-23 cm in any season. In the 2011 small immature fish were scarce.

Total annual catch achieved $55,648 \mathrm{t}$, which was much lower than in 2010. Such a difference between years might be explained by redistribution of immature rock cod because of changes in oceanographic situation, indicated by a positive temperature anomaly since November, as well some reduction of targeted fishing effort compared to the previous year. On another hand, it might be a sign of a low recruitment in the year 2011 that could result in possible decrease of stocks in 2012-2013.

### 1.12 Grenadiers (Macrouridae)

A research cruise for grenadiers was carried out onboard FV "Manuel Angel Nores" in May - June 2011. Stocks in the Falkland waters were estimated as $>100,000 \mathrm{t}$. No specialised fishery has been introduced to date. Total annual catch of grenadiers by different vessels (including the survey) was $2,058 \mathrm{t}$ of which 1,803 t was processed.

### 1.13. Zygochlamys patagonica - Patagonian scallop

No directed scallop fishery in Falkland Island waters occurred in 2011.

### 1.14. Eleginops maclovinus - Falkland mullet

The minor mullet beach seine fishery continued through 2011. Fishing took place from January through to April, stopped over the winter period and then resumed in very early spring (September) through to the end of the year. A total of 5.2 t of mullet were caught, a little higher than in the previous year ( 4 t ). Six sites were fished with New Haven Creek (26 visits) being the most frequently visited, followed by Camilla Creek (11 visits) and Teal Creek (7 visits).

### 1.15. Crabs (Lithodidae)

Only 36 kg of crab Paralomis granulosa were reported to have been caught in 2011 in Port Pleasant and just outside Mullet Creek. These were supplied to a local restaurant.

### 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.

## 2. Fisheries Department research cruises in 2011

### 2.1. Fisheries Department Research Cruise ZDLT1-02-2011

A research cruise was carried out on board the RV Castelo between the $31^{\text {st }}$ January and $23^{\text {rd }}$ February. A demersal survey was carried out of the shelf area from the northeastern to the southwestern parts of FICZ with the main goal to investigate the distribution and estimate the biomass of rock cod Patagonotothen ramsayi and other demersal and pelagic species. The distribution of catches was correlated with main environmental variables obtained from oceanographic stations.

The vessel departed Stanley on $31^{\text {st }}$ January, and proceeded to the first station in the north-eastern part of FICZ (grid square XNAP). During the following twenty one days of the survey, the whole survey area was covered by trawl and oceanographic stations in a counter clockwise direction. Every day, four grid squares of the survey were fished. In each grid square, one trawl was performed at random locations. No time was lost due to bad weather.

On the last day of the survey, four shallow waters were made in the southern part of the Loligo box, with two of them to the north of Sea Lion Islands. The survey was finished as planned on 23 February 2011.

Bottom trawling was conducted at 88 stations. Seabed trawling times during the survey were planned to be 60 minutes. During the cruise a total of $212,160 \mathrm{~kg}$ was caught comprising over 100 species. In terms of weight, the greatest catches were the rockcod (Patagonotothen ramsayi), hoki (Macruronus magellanicus) and red cod (Salilota australis).

Fish and squid stock assessments expressed in numbers and biomass were performed by two different methods. The first method was the same as in previous year based on geostatistical approximation. The second method was based on random stratification. Both methods were applied to the data of the present survey (ZDLT1-02-2011) and compared with the previous one (ZDLT1-02-2010). Total biomass of rock cod in 2011
was estimated to be $300,092 \mathrm{t}$ based on random-stratified method and $380,025 \mathrm{t}$ based on kriging method. The total biomass of rock cod was higher, and the total abundance (in numbers) was $7 \%$ lower than in 2010. The increase of biomass with simultaneous decrease in abundance commonly happens when a population is ageing without sufficient recruitment. However it could be also explained by re-arrangement of different population units inside or outside of survey area. Biomasses of other abundant fishes and squid in the area studied were also estimated.

### 2.2. Fisheries Department Research Cruise ZDLT1-11-2011

Another research cruise was carried out on board the RV Castelo between the $5^{\text {th }}$ November and $22^{\text {nd }}$ November. The main aims of the cruise were to experimentally trial 4 commercially sized cod ends with differing diamond mesh size ( $90 \mathrm{~mm}, 110 \mathrm{~mm}, 120 \mathrm{~mm}, 140 \mathrm{~mm}$ ) in order to identify the treatment that results in the retention of commercially sized rock cod, to examine the effect of cod end mesh sizes on the selectivity of the other main commercial finfish species and to carry out an oceanographic survey of the western parts of the Falkland Islands shelf.

The vessel left Stanley on $5^{\text {th }}$ November and started fishing next day. Initially, four trawls were conducted per day, each with different mesh sizes. On the first day the trawl duration was 60 min but it was found that catches were too small. The intention was to try and fish as near as we could to commercial activities. Over the next three days $\left(7^{\text {th }}-9^{\text {th }}\right.$ November), trawl duration increased to 1.5 hrs and this was still not considered enough so on the $10^{\text {th }}$ November trawl duration was increased to 4 hours and trawl number was reduced to 3 per day for the remainder of the cruise.

From the first day of the survey there were clear trends of increasing median length of rock cod, Loligo and skates with increasing mesh size. As the survey progressed, selectivity curves for the target species, rock cod and the other species were constructed to ascertain $\mathrm{L}_{50}$ (length at $50 \%$ retention) and selectively range for each treatment in order to provide comparisons. Various mathematical models were also used to examine the influence of mesh size, proportion of rock cod in the catch, and proportion of skate in the catch on $\mathrm{L}_{50}$. Initial results indicated that mesh size and the proportion of rock cod in the catch were statistically significant with a positive relationship between $L_{50}$ and increasing mesh size but a negative relationship between the proportion of rock cod in the catch and rock cod $\mathrm{L}_{50}$. The results of the cruise will form the basis for future mesh size regulations in the finfish fishery.

## 3. Fisheries Department research contracts in 2011

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 2011 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 2011".This work has been carried out by principal investigator Dr. A.M. Sirota of the research company MARSATEC, Kaliningrad, Russia.

The 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 2011),

This study was carried out by principal investigator Dr. P.P. Chernyshkov from the Laboratory of Oceanography, Atlantic Institute of Marine Fisheries and Oceanography (AtlantNIRO), Kaliningrad, Russia. Water structure and dynamics, as well as their variability on the Falkland Island shelf were studied using the data collected by the FV Castelo during two cruises in November 2010 and February 2011. Seasonal and interannual variability of water masses on the eastern shelf (transect P1) and southern shelf (transect P5) were described.

## 3.3. 'Genetic structuring of rockcod (Patagonotothen ramsayi) between Atlantic 'High Seas' and

## Falkland Islands’

This work was carried out by Prof. Paul W. Shaw from the Environmental \& Evolutionary Biology Research Group, School of Biological Sciences, Royal Holloway and Bedford New College, University of London, United Kingdom.

Genetic variation was investigated within and between samples of rock cod collected from the High Seas region and around the Falkland Islands. mtDNA sequencing revealed no significant population genetic differentiation/stock structure among northern and southern Falkland Islands samples. However, low, but statistically significant, genetic differentiation was detected between the Falkland Islands and High Seas samples indicating a breakdown in genetic mixing between these areas and supporting the preliminary rejection of the single stock null hypothesis. Further work is required to reveal possible place and reasons of such differentiation between two stocks of rock cod.

## 3.4. 'Genetic structuring of red cod (Salilota australis) populations between the Falkland Islands and southern Chile'

This work was carried out by Prof. Paul W. Shaw from the Environmental \& Evolutionary Biology Research Group, School of Biological Sciences, Royal Holloway and Bedford New College, University of London, United Kingdom.

The two main objectives of the study were 1). To investigate genetic variation within and between samples of red cod collected from the Southwest Atlantic (Patagonian Shelf around the Falkland Islands) and Southeast Pacific (shelf and slope of southern Chile) by DNA sequencing of the mitochondrial DNA, and 2) To test microsatellite loci developed for other taxa for suitability to future studies of red cod. No genetic variation
was revealed in DNA sequencing of a 540 bp (base pair) fragment of the COI gene, i.e. all individuals sampled were fixed for the same sequence/haplotype. The surprising lack of genetic variation could be linked to historical and/or contemporary reductions in genetic population sizes. 7 microsatellite loci developed for other taxa were identified as suitable for future studies of red cod. The low level of COI variation suggested a reduced 'evolutionary potential', i.e. a limited ability of the species to respond to future environmental changes (e.g. climate change). This highlighted the urgent need for future studies incorporating (i) additional mtDNA gene regions and (ii) nuclear markers.

## 3.5. 'Examining the population structure of kingclip and rock cod in the Southwest Atlantic and

 Chile'The study was carried out with Paul Brickle and Alexander Arkhipkin in conjunction with Dr Haseeb Randhawa of the University of Otago, New Zealand.

Minor and trace element signatures were examined from the cores and edges of otoliths (by Laser ablation ICP-MS) at the Centre for Trace Element Analysis housed in the Department of Chemistry, University of Otago. Trace elements acquired by an individual fish are preserved within the otolith microstructure formed as they grow; their concentrations may indirectly reflect the passage of the individual through chemically different environments. Analyses of elemental fingerprints have been used to discriminate fish stocks with different life histories.

## 4. Reductions in seabird mortality in the Falkland Islands

The Falkland Islands National Plan of Action-Seabirds (FI NPOA-S) was the first to be written for a United Kingdom Overseas Territory, and as such, is critically important not only for the Falkland Islands but also for the international conservation commitments of the UK. FI NPOA-S relates to longline fishing in Falkland Islands waters and that conducted by Falkland Island registered vessels in other EEZs and on the high seas. The aims of the NPOA-S were to reduce seabird bycatch through a scheme of yearly reductions in bycatch targets such that rates would not deleteriously effect seabird populations. Since 2007 there have been zero seabird mortalities in the longline fishery. These excellent results were in part due to the use of the 'umbrella system', good 'house keeping' on vessels in Falkland Zones, correct line weighting regimes, correctly designed and effective Tori-lines, the use of the 'Brickle Curtain' and the removal of hooks from by-catch and discards.

The NPOA- Tr was created in 2004 and revised in 2009. As with the NPOA-S its aim was to reduce seabird bycatch associated with trawlers to levels that would have no deleterious impact of the long-term sustainability of seabird populations._The mortality rates and Tori line efficacy were reviewed for the period 2010/2011.

Finfish trawling. When the seabird mortalities were stratified across six breeding strata and five area strata as had been conducted in previous estimates, the total extrapolated seabird mortality rate was estimated to be 0.36 birds per day, giving a total annual estimate of 1,269 (CV 0.72) birds killed. The majority of this estimate consists of Black-browed albatrosses with 1,169 birds. In addition, an estimated 54 Giant petrels and 46 Cape petrels were estimated to have been killed in the trawl fishery in one year period.

Loligo and pelagic trawling. No mortalities were recorded from the Loligo or the pelagic trawl fishery for the period.

Improvements to incidental seabird mitigation. Two changes were made to improve the required seabird mortality mitigation techniques used by vessels fishing in Falkland Island waters. Firstly an improved toriline / bird scaring line (BSL) design was adopted after extensive trialing revealed the modified design reduced
seabird contacts with the warp and thus the probability of seabird mortality. Secondly, vessels are now required to cease discarding bycatch and offal when tori-lines are not in the water. This is predominantly during shooting and hauling and is aimed to reduce seabird contacts with fishing gear during these periods and thus reduce mortalities.

## 5. Fishing Effort and Catch Limits

Total Allowable Effort (TAE) and Total Allowable Catch (TAC) were set for the 2012 calendar year fisheries. This process was conducted completely by the Fisheries Department. 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.

## 6. Participation in Scientific Workshops, Conferences and Symposia in 2011

### 6.1. Conference on the Conservation of Albatross and Petrels (ACAP)

P. Brickle attended the Meetings of the Status and Trends, Breeding Sites and Seabird Bycatch Working Groups preceding ACAP's Advisory Committee (AC6). These meetings were held at the Unipark Hotel, Guayaquil from Monday, 22 August to Friday, 26 August, 2011. P. Brickle presented paper entitled 'Reducing seabird mortality on trawlers operating in the Falkland Islands' with co-authors A. Wolfaardt, J. Pompert, A. Black, G. Parker and K. Snell. He also attended a break out group to resolve the research priorities for by catch in benthic trawl fisheries.

## 6.2. $4^{\text {th }}$ International Symposium 'Coleoid Cephalopods through time'

The Symposium was held in Natural History Museum in Stuttgart (Germany) between 6 and 9 September 2011. Participant from FIFD: A. Arkhipkin. One abstract was submitted and accepted as oral presentation to the Symposium: 'Trades off between propulsive movement and buoyancy in evolution of cephalopods’ by A.I. Arkhipkin.

### 6.3. ICES Annual Scientific Meeting - 2011

The ICES Annual Science Conference was held in Gdansk, Poland between 19 and 23 September. Participants from FIFD: A. Arkhipkin and V. Laptikhovsky. Two papers were accepted as oral presentations for the conference. A. Arkhipkin presented a talk by A. Arkhipkin, P. Brickle and V. Laptikhovsky 'Sub Antarctic and temperate marine fauna links with oceanographic fronts on the Patagonian Shelf break and slope (Southwest Atlantic)', and V. Laptikhovsky presented a talk by A. Arkhipkin and V. Laptikhovsky "Biology and fishery of red fish, Sebastes oculatus, around the Falkland Islands (Southwest Atlantic).

## 7. Publications from scientific work carried out in FIG Fisheries Department in 2011 (or in collaboration with FIG personnel)

### 7.1. Peer-reviewed publications (appeared in 2011)

Barnes, D. K. A., Collins, M. A., Brickle, P., Fretwell, P., Griffiths, H. J., Herbert, D., Hogg, O., Sands, C. J. 2011. The need to implement the Convention on Biological Diversity at the high latitude site, South Georgia. Antarctic Science 23: 323-331.

Brickle, P., Laptikhovsky, V., Arkhipkin, A. 2011. The reproductive biology of a shallow-water morid (Salilota australis Günther, 1878), around the Falkland Islands. Estuarine, Coastal and Shelf Science, 94: 102110.

Goodwin, C., Jones, J., Neely, K., Brickle, P. 2011. Sponge biodiversity of the Jason Islands and Stanley, Falkland Islands with descriptions of twelve new species. Journal of the Marine Biological Association of the United Kingdom 91: 275-301.

Granadeiro, J. P., Phillips, R. A., Brickle, P., Catry, P. 2011. Albatrosses following fishing vessels: how badly hooked are they on an easy meal? PLOS One 6: e17467.

Laptikhovsky, V. 2011. Migrations and structure of the species range in ridge-scaled rattail Macrourus carinatus (Southwest Atlantic) and their application to fisheries management. ICES Journal of marine Science, 68: 309-318

Laptikhovsky, V., Arkhipkin, A., Brickle, P., Hearne, S., Neely, K. 2011. Species ranges’ shifts due to environmental changes in scaled squid, Pholidoteuthis massyae and bathyal octopus, Muusoctopus eureka. Marine Biodiversity Records 4, e34. DOI: 10.1017/S1755267210001053

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Randhawa, H. S., Brickle, P. 2011. Use of larval parasite genetics to elucidate life cycles and cryptic trophic links: tetraphyllidean cestodes of porbeagle sharks off the Falkland shelf. Marine Ecology Progress Series 431: 215 - 222.
Quillfeldt, P., Masello, J. F., Brickle, P., Martin-Creuzburg, D. 2011. Fatty acid signatures reflect inter- and intra-annual changes in diet of a small pelagic seabird, the thin-billed prion Pachyptila belcheri. Marine Biology 158: 1805 - 1813.
Strugnell, J., Y.Cherel, I.R.Cooke, I.G. Gleadall, F.G. Hochberg, C.M. Ibanez , E. Jorgensen, V.V.Laptikhovsky , K. Linse, M. Norman , M. Vecchione, J.R. Voight , A.L. Allcock. 2011. The Southern Ocean: Source and sink? Deep-Sea Research II, 58: 196-204.

Vitale, S., Arkhipkin, A., Cannizzaro, L., Scalisi, M. 2011. Life history traits of the striped seabream Lithognathus mormyrus (Pisces, Sparidae) from two coastal fishing grounds in the Strait of Sicily. Journal of Applied Ichthyology, 27, 1086-1094.

Winter, A., Jiao, Y., Browder, J. 2011. Modelling low rates of seabird bycatch in the U.S. Atlantic longline fisheries. Waterbirds 34: 289-303.

Yu, H., Jiao, Y., Winter, A. 2011. Catch-rate standardization for yellow perch in Lake Erie: a comparison of the spatial generalized linear model and the generalized additive model. Transactions of the American Fisheries Society 140: 905-918.

### 7.2. Technical reports:

Laptikhovsky, V., Winter, A., Brickle, P., Arkhipkin, A. 2011. Vessel units, allowable effort and allowable catch for 2012. Falkland Islands Government Fisheries Department, Stanley, 27 pp.

Winter, A. 2011. Loligo gahi stock assessment, first season 2011. Falkland Islands Government Fisheries Department, Stanley, 23 pp .
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Alexander Arkhipkin (Editor), sections 1.1-1.3, 1.5-1.6; 2.1; 3.1-3.4; 5; 6; 7.1
Paul Brickle, sections 1.5, 1.7-1.9; 1.13-1.15, 2.2; 3.5; 4
Vladimir Laptikhovsky, sections 1.11-1.12; 1.16
Andreas Winter, sections 1.2; 1.10; 7.2

## 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 | Loligo gahi | Patagonian squid |
| 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 |
| BZ | BLZ | Belize |
| CB* | KHM | Cambodia |
| CL | CHL | Chile |
| CN | CHN | China |
| EE | EST | Estonia |
| ES | ESP | Spain |
| FK | FLK | Falkland Islands |
| FR | FRA | France |
| GH | GHC | Ghana |
| GR | GRC | Greece |
| HN | HDN | Honduras |
| IS | ISL | Iceland |
| IT | ITA | Italy |
| JP | JPN | Japan |
| KR | KOR | Korea |
| NA | NAM | Namibia |
| NO | NOR | Norway |
| PA | PAN | Panama |
| PL | POL | Poland |
| PT | PRT | Portugal |
| RU | RUS | Russia |
| SC | SYC | Seychelles |
| SL | SLE | Sierra Leone |
| TW * | TWN | Taiwan |
| UK | GBR | United Kingdom |
| UR | UKR | Ukraine |
| US | USA | United States of America |
| UY | URY | Uruguay |
| VC | VCT | Saint Vincent |
| VU | VUT | Vanuatu |

[^0]
## Introduction

Table A. 4 Licence types, target species and periods of application 1989-2011

| Licence | Target species | Period of application |
| :---: | :---: | :---: |

First Season

| A | Unrestricted finfish | $1989-2007$ |  |
| :--- | :--- | :--- | :--- |
| B | Illex squid | $1989-1992$ |  |
|  | Illex and Martialia squid |  | $1993-$ |
| C | Patagonian squid (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 | $1989-1990$ |  |
| Y | Patagonian squid (Loligo) |  | $1991-$ |
| Z | Unrestricted finfish | $1989-2007$ |  |
|  | 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** | $2008-$ |

[^1]** Restricted finfish - Main target species:
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.

Squid -
Loligo gah


$\stackrel{\stackrel{1}{0}}{\stackrel{i}{n}}$


$\begin{array}{ll}\circ & \circ \circ \\ \stackrel{\circ}{\circ} & \circ \\ \stackrel{\circ}{\circ} & \circ \\ \stackrel{\circ}{-}\end{array}$



웅

| $\circ \circ$ |
| :--- |
| 0 |
| - | $\stackrel{\circ}{\circ} \mathrm{O}$

ì
in

1.95\%
19.95\%
$10.42 \%$
$18.43 \%$
100.00\%

| 0 |
| :--- |
| $\frac{0}{0}$ |
| 0 |

○े 융
100.00\%

| Ò |
| :--- |
| 8 |
| - |

ISHERY
Squid and
Skate Restricted Finfish
$11.22 \%$

$15.30 \%$
$10.355 \%$
0.04\%
2.28\%
2.52\%

7.71\%
23.09\%

$36.80 \%$
27.53\%
$10.45 \%$
$4.40 \%$
$14.34 \%$
11.56\%

| $\circ$ |
| :--- |
| 8 |
| 0 |
| - |

Squid -
Loligo gahi
(Summer)
18.75\%
$\%$ L6 Zし

IIIex argentinus
Scallops
Finfish

$8.15 \%$
$3.10 \%$
$2.28 \%$
24.96\%
$7.86 \%$
$38.33 \%$
4.18\%
$11.14 \%$

| $\circ$ |
| :--- |
| 8 |
| - |

0.00\%
$\% 00^{\circ} 0$
Squid -
Jig or Trawl


3.10\%
.


-
Pioneer Seafoods
CFL
Fortuna International Fish
J.K. (Marine)

RBC
Seafish
Seaview
Southern Cross Sulivan Shipping 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | 40 | 33 | 17 | 13 | 4 | 10 | 5 | 5 |
| B | 161 | 144 | 170 | 165 | 156 | 164 | 120 | 113 |
| C | 46 | 38 | 16 | 20 | 21 | 22 | 17 | 19 |
| E | 8 | 5 | . | 2 | 1 | 6 | 6 | 5 |
| F | . | . | . | . | . | . | 4 | 5 |
| G | . | . | . | . | . | . | . | . |
| L | . | . | . | . | . | . | . | . |
| R | . | . | . | . | . | 9 | 10 | 11 |
| S | . | . | . | . | . | . | . | . |
| W | . | . | 11 | 16 | 14 | 30 | 29 | 28 |
| X | 23 | 20 | 19 | 23 | 30 | 27 | 23 | 24 |
| Y | 70 | 17 | 15 | 6 | 5 | 10 | 9 | 6 |
| $\underline{\mathbf{Z}}$ | 24 | 35 | 40 | 46 | 43 | 47 | 60 | 43 |
|  | 372 | 292 | 288 | 291 | 274 | 325 | 283 | 259 |
| LICENCE | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
| A | 4 | 9 | 11 | 10 | 6 | 6 | 6 | 8 |
| B | 92 | 79 | 86 | 109 | 116 | 125 | 122 | 89 |
| C | 15 | 14 | 17 | 17 | 16 | 17 | 16 | 16 |
| E | 6 | 9 | 8 | 5 | 1 | 1 | 8 | 9 |
| F | . | . | . | 4 | 1 | 9 | 4 | 7 |
| G | 19 | 27 | 30 | 16 | 19 | 19 | 24 | 17 |
| L | - | . | . | 3 | 6 | 6 | 8 | 5 |
| R | 10 | 2 | 8 | 7 | 9 | 8 | 10 | 11 |
| S | . | . | 2 | 3 | 3 | 4 | 3 | 4 |
| W | 9 | 16 | 21 | 11 | 13 | 11 | 23 | 25 |
| X | 21 | 20 | 18 | 15 | 19 | 17 | 18 | 17 |
| Y | 11 | 8 | 8 | 4 | 8 | 8 | 12 | 10 |
| $\underline{\mathbf{Z}}$ | 36 | 27 | 34 | 27 | 18 | 19 | 22 | 22 |
|  | 223 | 211 | 243 | 231 | 235 | 250 | 276 | 240 |
|  |  |  |  |  |  |  |  |  |
| LICENCE | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |  |
| A* | 9 | 11 | 10 | 23 | 21 | 22 | 29 | $\begin{aligned} & *-\mathrm{A}+\mathrm{Y} \text { since } 2008 \\ & * *-\mathrm{F}+\mathrm{R} \text { since } 2008 \\ & * * *-\mathrm{W}+\mathrm{Z} \text { since } 2008 \end{aligned}$ |
| B | 70 | 43 | 57 | 44 | 44 | 76 | 95 |  |
| C | 17 | 16 | 16 | 17 | 17 | 18 | 17 |  |
| E | 11 | 8 | 6 | 4 | 5 | 5 | 5 |  |
| F** | 4 | . | 1 | 8 | 8 | 8 | 7 |  |
| G | 14 | 20 | 18 | 23 | 27 | 23 | 25 |  |
| L | 4 | 6 | 6 | 2 | 1 | 1 | 1 |  |
| R | 11 | 11 | 10 | . | . | . | . |  |
| S | 2 | 2 | 2 | 3 | 4 | 3 | 1 |  |
| W*** | 17 | 21 | 14 | 27 | 30 | 30 | 27 |  |
| X | 16 | 16 | 17 | 20 | 18 | 17 | 17 |  |
| Y | 12 | 16 | 18 | . | . | . | . |  |
| Z | 18 | 24 | 25 | .. | . |  |  |  |
|  | 205 | 194 | 200 | 171 | 179 | 203 | 224 |  |

## Licences

Table B. 2 Licence allocations by fishing fleet and year

| Fishing fleet | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BG | 9 | 14 | 8 | 6 | 2 | . | . | . | . | 3 |
| BZ | . | . | . | . | . | . | 1 | . | . | . |
| CL | 1 | 1 | . | 3 | 2 | 8 | 8 | 4 | 3 | . |
| ES | 99 | 72 | 66 | 74 | 74 | 108 | 100 | 69 | 52 | 2 |
| FK | 7 | 4 | 2 | 3 | 3 | 8 | 19 | 37 | 32 | 2 |
| FR | . | . | . | . | . | 5 | 3 | 4 | 2 | . |
| GR | 5 | 3 | . | . | . | . | . | . | . | 64 |
| HN | . | . | 2 | 3 | 4 | 7 | 8 | 2 | . | 43 |
| IS | . | . | . | . | . | . | . | 1 | 3 | 2 |
| IT | 7 | 3 | 2 | 5 | 6 | 3 | 2 | . | . | . |
| JP | 95 | 82 | 77 | 63 | 30 | 36 | 13 | 11 | 19 | . |
| KR | 30 | 32 | 42 | 55 | 60 | 86 | 105 | 112 | 98 | 40 |
| NA | . | . | . | . | . | . | . | . | 3 | 48 |
| NL | 1 | 1 | . | . | . | . | . | . | . | 1 |
| NO | . | 2 | . | . | . | . | . | 1 | 1 | . |
| PA | . | . | 5 | 4 | 3 | 3 | 2 | 3 | . | . |
| PL | 68 | 53 | 40 | 21 | 8 | 8 | 4 | 2 | . | 1 |
| PT | 7 | 7 | 4 | 4 | 3 | 4 | 8 | 4 | . | . |
| RU | . | . | . | . | . | 1 | . | . | . | . |
| SC | . | . | . | . | . | . | . | . | 3 | . |
| SL | . | . | . | 1 | 1 | 1 | . | . | . | 2 |
| TW | 32 | 17 | 39 | 49 | 77 | 43 | 8 | 3 | 3 | 3 |
| UK | 11 | 1 | 1 | . | 1 | 3 | 2 | 5 | 3 | . |
| UR | . | . | . | . | . | 1 | . | . | 3 | . |
| US | . | . | . | . | . | . | . | 1 | . | . |
|  | 372 | 292 | 288 | 291 | 274 | 325 | 283 | 259 | 223 | 211 |

## Licences

Table B. 2 Licence allocations by fishing fleet and year, continued

| Fishing fleet | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AU | 3 | . | . | . | . | . | . | . | . | . | . | . | . |
| BZ | 2 | 5 | 2 | 2 | 3 | 1 | 1 | . | . | . | . | . | . |
| CB | . | 2 | 1 | 1 | 1 | 1 | . | . | . | . | . | 1 | 1 |
| CL | 3 | 1 | 1 | 1 | 1 | 2 | . | 1 | 2 | 1 | . | 1 |  |
| CN | 4 | 9 | 20 | 25 | 22 | 7 | 3 | 2 | 5 | . | . | . |  |
| EE | . | . |  | . | . | 1 | . | 2 |  | . | . | . |  |
| ES | 76 | 41 | 45 | 49 | 46 | 47 | 36 | 59 | 65 | 59 | 61 | 55 | 61 |
| FK | 49 | 47 | 55 | 49 | 80 | 71 | 76 | 69 | 61 | 55 | 55 | 58 | 58 |
| FR | 2 | 1 | . | . | . | . | . | . | . | . | . | . |  |
| GH | . | . | . | . | . | . | . | 1 | . | . | . | . |  |
| IS | . | . |  |  | . | . | . | . | . | . | . | . |  |
| JP | 20 | 21 | 16 | 22 | 14 | 7 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| KR | 71 | 84 | 67 | 71 | 64 | 61 | 43 | 42 | 42 | 38 | 39 | 34 | 35 |
| NA | 2 | . | . | . | . | 2 | . | . | . | . | . | . |  |
| NZ | . | . | . | . | 1 | . | . |  | . | . | . | . |  |
| PA | 2 | . | . | . | . | . | 2 | 1 | 1 | . | 1 | . |  |
| PT | . | 1 | . | . | . | . | . | . | . | . | . | . |  |
| RU | . | . | 1 | . | 9 | . | . | . | . | . | . | 1 | 1 |
| SL | . | . | . | . | . | . | . | . | . | . | . | 2 |  |
| TW | 4 | 16 | 22 | 26 | 29 | 33 | 33 | 10 | 19 | 13 | 15 | 45 | 61 |
| UK | 5 | 3 | 3 | 3 | 4 | 5 | 5 | 4 | 4 | 4 | 6 | 4 | 4 |
| VC | . | . | 1 | . | . | . | . | . | . | . | . | . |  |
| UY | . | . | 1 | 1 | 2 | 2 | 2 | 2 | . | . | . | . |  |
| VU | . | . | . | . | . |  | 2 | . | . | . | 1 | 1 | 2 |
|  | 243 | 231 | 235 | 250 | 276 | 240 | 205 | 194 | 200 | 171 | 179 | 203 | 224 |

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

| Fishing <br> fleet | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ES | 6 | 3 | 4 | 3 | 2 | 1 | 2 | 3 | 2 | 12 | 11 | 10 | 15 |
| FK | 4 | 7 | 2 | 3 | 4 | 7 | 7 | 8 | 8 | 10 | 9 | 11 | 12 |
| KR | . | . | . | . | . | . | . | . | . | . | . | . | 1 |
| UK | 1 | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 |
|  | $\mathbf{1 1}$ | $\mathbf{1 0}$ | $\mathbf{6}$ | $\mathbf{6}$ | $\mathbf{6}$ | $\mathbf{8}$ | $\mathbf{9}$ | $\mathbf{1 1}$ | $\mathbf{1 0}$ | $\mathbf{2 3}$ | $\mathbf{2 1}$ | $\mathbf{2 2}$ | $\mathbf{2 9}$ |

## Licences

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | 1 | 3 | 1 | 1 | . | . | . | . | . | . |
| CB | 1 | 1 | 1 | . | . | . | . | . | 1 | 1 |
| CN | 25 | 22 | 7 | 3 | 2 | 5 | . | . | . | . |
| ES | . | . | . | . | . | . | . | . | . | . |
| FK | . | . | . | 1 | . | . | . | . | . | 1 |
| GH | . | . | . | . | 1 | . | . | . | . | . |
| JP | 19 | 12 | 5 | . | . | . | . | . | . | . |
| KR | 53 | 46 | 42 | 28 | 29 | 33 | 31 | 29 | 27 | 29 |
| PA | . | . | . | 2 | 1 | . | . | 1 | . | . |
| RU | . | 9 | . | . | . | . | . | . | . | 1 |
| SL | . | . | . | . | . | . | . | . | 2 | . |
| TW | 26 | 29 | 33 | 33 | 10 | 19 | 13 | 15 | 45 | 61 |
| VU | . | . | . | 2 | . | . | . | 1 | 1 | 2 |
|  | 125 | 122 | 89 | 70 | 43 | 57 | 44 | 46 | 76 | 95 |

Table B. 5 Licence 'C' (Patagonian squid) allocations by fishing fleet and year

| Fishing | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| fleet | 2 | . | . | . | . | . | 1 | 2 | 1 | 2 |
| ES | 14 | 15 | 14 | 16 | 15 | 14 | 15 | 14 | 16 | 14 |
| FK | . | . | 1 | . | . | . | . | . | . | . |
| NA | . | . | . | . | . | 1 | . | . | . | . |
| PA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| UK | . | . | . | . | . | . | . | . | . | . |
| VC | $\mathbf{1 7}$ | $\mathbf{1 6}$ | $\mathbf{1 6}$ | $\mathbf{1 7}$ | $\mathbf{1 6}$ | $\mathbf{1 6}$ | $\mathbf{1 7}$ | $\mathbf{1 7}$ | $\mathbf{1 8}$ | $\mathbf{1 7}$ |
|  |  |  |  |  |  |  |  |  |  |  |

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

| Fishing <br> fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CL |  |  |  |  |  |  |  |  | 1 | . |
| ES | . | 1 | . | . | 2 | 1 | 2 | 1 | . | 1 |
| FK | . | 5 | 6 | 8 | 4 | 5 | 2 | 2 | 3 | 4 |
| RU | . | . | . | . | . | . | . | . | 1 | . |
| UK | . | . | 1 | 1 | . | . | . | 2 | . | . |
| UY | 1 | 2 | 2 | 2 | 2 | . | . | . | . | . |
|  | $\mathbf{1}$ | $\mathbf{8}$ | $\mathbf{9}$ | $\mathbf{1 1}$ | $\mathbf{8}$ | $\mathbf{6}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{5}$ | $\mathbf{5}$ |

## Licences

Table B. 7 Licence 'F' (Skates and rays - first season in 1999-2007, both seasons in 2008-2009) allocations by fishing fleet and year

| Fishing <br> fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | 1 | . | . | . | $\cdot$ | . |  | . | . | . |
| KR | 8 | 4 | 7 | 4 | . | . | 6 | 6 | 4 | 4 |
| ES |  |  |  |  |  | 1 | 2 | 2 | 4 | 3 |
|  | $\mathbf{9}$ | $\mathbf{4}$ | $\mathbf{7}$ | $\mathbf{4}$ | . | $\mathbf{1}$ | $\mathbf{8}$ | $\mathbf{8}$ | $\mathbf{8}$ | $\mathbf{7}$ |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EE | . | . | 1 | . | 1 | . | . | . | . | . |
| ES | 14 | 15 | 11 | 7 | 13 | 16 | 19 | 22 | 17 | 18 |
| FK | 5 | 9 | 5 | 7 | 6 | 2 | 4 | 5 | 6 | 7 |
| JP | . | . | . | . | . | . | . | . | . | . |
| NA | . | . | . | . | . | . | . | . | . | . |
| UK | . | . |  |  | . | . |  |  |  |  |
|  | 19 | 24 | 17 | 14 | 20 | 18 | 23 | 27 | 23 | 25 |

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

| Fishing <br> fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CL | . | . | . | . | . | 1 | . | . | . | . |
| FK | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 1 | 1 | 1 |
| KR | 2 | 4 | 1 | . | 2 | 1 | . | . | . | . |
| NZ | . | 1 | . | . | . | . | . | . | . | . |
|  | $\mathbf{6}$ | $\mathbf{8}$ | $\mathbf{5}$ | $\mathbf{4}$ | $\mathbf{6}$ | $\mathbf{6}$ | $\mathbf{2}$ | $\mathbf{1}$ | $\mathbf{1}$ | $\mathbf{1}$ |

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

| Fishing <br> fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{B Z}$ | $\cdot$ | . | . | . | . | . |
| ES | . | . | . | . | . | 3 |
| KR | 8 | 10 | 11 | 11 | 11 | 7 |
| PA | . | . | . | . | . | . |
|  | $\mathbf{8}$ | $\mathbf{1 0}$ | $\mathbf{1 1}$ | $\mathbf{1 1}$ | $\mathbf{1 1}$ | $\mathbf{1 0}$ |

## Licences

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

| Fishing <br> fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{C L}$ | 1 | 1 | 2 | . | 1 | 1 | 1 | . | . | $\cdot$ |
| FK | . | . | . | . | . | . | 1 | 3 | 2 | . |
| JP | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
|  | $\mathbf{4}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{2}$ | $\mathbf{2}$ | $\mathbf{1}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{3}$ | $\mathbf{1}$ |

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

| Fishing |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| EE | . | . | . | . | 1 | . | . | . | . | . |
| ES | 9 | 9 | 15 | 8 | 16 | 10 | 20 | 22 | 20 | 20 |
| FK | 2 | 13 | 9 | 8 | 3 | 3 | 5 | 5 | 6 | 5 |
| KR | . | . | . | . | . | . | 1 | 2 | 3 | 1 |
| $\mathbf{J P}$ | . | . | . | . | . | . | . | . | . | . |
| UK | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
|  | $\mathbf{1 1}$ | $\mathbf{2 3}$ | $\mathbf{2 5}$ | $\mathbf{1 7}$ | $\mathbf{2 1}$ | $\mathbf{1 4}$ | $\mathbf{2 7}$ | $\mathbf{3 0}$ | $\mathbf{3 0}$ | $\mathbf{2 7}$ |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ES | 3 | . |  | . |  | 1 | 3 | 1 | 2 | 2 |
| FK | 13 | 17 | 15 | 15 | 15 | 15 | 16 | 16 | 14 | 14 |
| FR | . | . | . | . | . | . | . | . | . | . |
| JP | . | . | . | . | . | . | . | . | . | . |
| NA | . | . | 1 | . | . | . | . | . | . | . |
| UK | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
|  | 17 | 18 | 17 | 16 | 16 | 17 | 20 | 18 | 17 | 17 |

## Licences

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

| Fishing <br> fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| ES | 4 | 3 | 3 | 5 | 6 | 11 |
| FK | 3 | 8 | 6 | 7 | 10 | 7 |
| RU | $\cdot$ | . | . | $\cdot$ | $\cdot$ | $\cdot$ |
| UK | 1 | 1 | 1 | . | . | . |
|  | $\mathbf{8}$ | $\mathbf{1 2}$ | $\mathbf{1 0}$ | $\mathbf{1 2}$ | $\mathbf{1 6}$ | $\mathbf{1 8}$ |

Table B. 15 Licence 'Z' ( Restricted finfish - second season) allocations by fishing fleet and year

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AU | . | . | . | . | . | . |
| BZ | . | . | . | . | . | . |
| CL | . | . | . | . |  | . |
| ES | 14 | 16 | 17 | 14 | 19 | 19 |
| FK | 5 | 6 | 5 | 3 | 4 | 4 |
| JP | . | . | . | . | . | . |
| KR | . | . | . | . | . | 1 |
| NA | . | . | . | . | . | . |
| PA | . | . | . | . | . | . |
| PT | . | . | . | . | . | . |
| UK | . | . | . | 1 | 1 | 1 |
|  | 19 | 22 | 22 | 18 | 24 | 25 |

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 |
| $\underline{Z}$ | 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 |

## Licences

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

| LICENCE | $\mathbf{1 9 9 6}$ | $\mathbf{1 9 9 7}$ | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{A}$ | 300,154 | 191,586 | 186,858 | 247,467 | 264,667 | 153,200 | 229,589 |
| $\mathbf{B}$ | $12,176,224$ | $12,189,748$ | $9,578,864$ | $9,349,734$ | $14,609,416$ | $16,408,604$ | $15,504,408$ |
| $\mathbf{C}$ | $3,915,269$ | $3,489,634$ | $3,694,139$ | $3,840,651$ | $4,063,638$ | $4,515,400$ | $4,495,703$ |
| $\mathbf{E}$ | 107,022 | 180,956 | 460,752 | 471,163 | 190,113 | 0 | 0 |
| F | 117,243 | . | . | 0 | 83,714 | 41,311 | 218,114 |
| $\mathbf{G}$ | . | 654,702 | 900,493 | $1,321,513$ | 755,274 | $1,001,852$ | $1,176,222$ |
| $\mathbf{L}$ | . | . | . | 0 | 237,250 | 581,856 | 581,856 |
| R | 446,767 | 429,579 | 73,733 | 452,362 | 252,959 | 405,492 | 221,071 |
| $\mathbf{S}$ | . | . | . | 326,903 | 980,410 | 914,033 | 792,191 |
| $\mathbf{W}$ | 842,504 | 590,818 | 868,281 | 872,436 | 418,455 | 303,832 | 268,804 |
| $\mathbf{X}$ | $2,297,557$ | $1,745,260$ | $2,157,595$ | $1,802,191$ | $1,596,130$ | $2,014,142$ | $1,759,362$ |
| $\mathbf{Y}$ | 174,748 | 284,846 | 327,707 | 235,446 | 276,522 | 375,871 | 384,723 |
| $\mathbf{Z}$ | $1,536,543$ | $1,474,175$ | $1,329,126$ | $1,262,615$ | $1,051,854$ | 969,460 | 920,040 |
|  | $\mathbf{2 1 , 9 7 7 , 2 4 2}$ | $\mathbf{2 1 , 2 9 6 , 3 0 9}$ | $\mathbf{1 9 , 5 7 7 , 5 4 8}$ | $\mathbf{2 0 , 1 8 2 , 4 8 0}$ | $\mathbf{2 4 , 7 8 0 , 4 0 1}$ | $\mathbf{2 7 , 6 8 5 , 0 5 3}$ | $\mathbf{2 6 , 5 5 2 , 0 8 3}$ |


| LICENCE | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{A}^{*}$ | 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 |
| $\mathbf{C}$ | $1,446,088$ | $1,509,446$ | $1,534,994$ | $1,763,009$ | $1,734,547$ | $1,939,301$ | $1,939,301$ |
| $\mathbf{E}$ | 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 |
| $\mathbf{W} * * *$ | 515,383 | 905,319 | 524,877 | 488,818 | 506,479 | $1,219,240$ | $1,219,240$ |
| X | $1,804,098$ | $2,090,748$ | $2,510,109$ | $3,263,140$ | $3,263,140$ | $4,242,081$ | $4,242,082$ |
| $\mathbf{Y}$ | 434,158 | 407,128 | 650,185 | 656,810 | 459,542 | . | . |
| $\mathbf{Z}$ | 995,807 | 978,825 | 834,434 | $1,026,697$ | 474,296 | . | . |
|  | $\mathbf{2 0 , 4 6 6 , 4 1 9}$ | $\mathbf{1 1 , 9 1 2 , 3 1 9}$ | $\mathbf{1 0 , 5 5 2 , 3 5 7}$ | $\mathbf{1 4 , 4 0 1 , 5 4 1}$ | $\mathbf{1 5 , 3 9 3 , 5 9 3}$ | $\mathbf{1 5 , 3 0 8 , 6 4 5}$ | $\mathbf{1 0 , 8 5 0 , 2 2 9}$ |


| LICENCE | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: |
| $\mathbf{A}$ | $1,129,012$ | $1,129,012$ |
| $\mathbf{B}$ | 798,205 | $8,996,154$ |
| $\mathbf{C}$ | $1,939,301$ | $2,133,230$ |
| $\mathbf{E}$ | 0 | 0 |
| $\mathbf{F}$ | 247,121 | 247,121 |
| $\mathbf{G}$ | 845,900 | 845,900 |
| $\mathbf{L}$ | 760,700 | 836,770 |
| $\mathbf{S}$ | 181,257 | 181,257 |
| $\mathbf{W}$ | $1,341,160$ | $1,341,160$ |
| $\mathbf{X}$ | $4,242,082$ | $4,242,082$ |

[^2]
## Catch summary tables

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

| VESSEL TYPE | $\mathbf{1 9 8 9}$ | $\mathbf{1 9 9 0}$ | $\mathbf{1 9 9 1}$ | $\mathbf{1 9 9 2}$ | $\mathbf{1 9 9 3}$ | $\mathbf{1 9 9 4}$ | $\mathbf{1 9 9 5}$ | $\mathbf{1 9 9 6}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CO | 59069 | 46211 | 27896 | 17669 | 1151 | 4807 | 3222 | 1569 |
| JI | 195476 | 94743 | 160754 | 149557 | 144189 | 62874 | 62717 | 73128 |
| LO | $\cdot$ | $\cdot$ | . | 131 | 10 | 2855 | 1901 | 992 |
| TR | 172270 | 143561 | 115853 | 147601 | 106257 | 126262 | 177332 | 119303 |
|  | $\mathbf{4 2 6 8 1 4}$ | $\mathbf{2 8 4 5 1 6}$ | $\mathbf{3 0 4 5 0 3}$ | $\mathbf{3 1 4 9 5 7}$ | $\mathbf{2 5 1 6 0 5}$ | $\mathbf{1 9 6 7 9 8}$ | $\mathbf{2 4 5 1 7 2}$ | $\mathbf{1 9 4 9 9 1}$ |
|  |  |  |  |  |  |  |  |  |
| VESSEL TYPE | $\mathbf{1 9 9 7}$ | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ |
| CO | 811 | 274 | . | . | . | . | . | . |
| JI | 150732 | 79837 | 254026 | 182925 | 146066 | 13001 | 101754 | 1661 |
| LO | 1241 | 1787 | 2077 | 2092 | 1684 | 1754 | 1832 | 2076 |
| TR | 77542 | 128976 | 120935 | 134089 | 117449 | 86224 | 105511 | 99361 |
|  | $\mathbf{2 3 0 3 2 6}$ | $\mathbf{2 1 0 8 7 4}$ | $\mathbf{3 7 7 0 3 8}$ | $\mathbf{3 1 9 1 0 7}$ | $\mathbf{2 6 5 1 9 8}$ | $\mathbf{1 0 0 9 7 9}$ | $\mathbf{2 0 9 0 9 7}$ | $\mathbf{1 0 3 0 9 8}$ |
|  |  |  |  |  |  |  |  |  |
| VESSEL TYPE | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |  |
| JI | 7776 | 68950 | 157533 | 100317 | 3 | 11645 | 73703 |  |
| PO | . | 295 | . | . | . | 2 |  |  |
| LO | 1791 | 1620 | 1624 | 1506 | 1245 | 1053 | 1399 |  |
| TR | 117537 | 142390 | 142890 | 168584 | 152364 | 196460 | 150423 |  |

## Catch summary tables

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

| SPECIES | $\mathbf{1 9 8 9}$ | $\mathbf{1 9 9 0}$ | $\mathbf{1 9 9 1}$ | $\mathbf{1 9 9 2}$ | $\mathbf{1 9 9 3}$ | $\mathbf{1 9 9 4}$ | $\mathbf{1 9 9 5}$ | $\mathbf{1 9 9 6}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BAC | 2814 | 2778 | 2880 | 7055 | 6224 | 4043 | 9084 | 6925 |
| BLU | 43468 | 72326 | 50491 | 34078 | 24900 | 38697 | 39154 | 23539 |
| ILL | 224022 | 102417 | 174745 | 160016 | 145185 | 66996 | 64122 | 79724 |
| KIN | 977 | 850 | 949 | 1952 | 1643 | 899 | 1985 | 1682 |
| LOL | 118720 | 82990 | 53817 | 83384 | 52279 | 65757 | 98417 | 61374 |
| MAR | 0 | 4 | 141 | 1 | 33 | 0 | 5803 | 111 |
| PAT | 16480 | 11900 | 6759 | 4070 | 3029 | 1414 | 1988 | 1649 |
| RAY | 1749 | 1500 | 6923 | 8108 | 8523 | 5542 | 5432 | 3475 |
| TOO | 236 | 208 | 980 | 912 | 393 | 2963 | 2069 | 685 |
| WHI | 13313 | 7553 | 4499 | 14188 | 8506 | 10064 | 15603 | 13813 |
| OTH | 5036 | 1989 | 2317 | 1192 | 890 | 423 | 1514 | 2015 |
|  | $\mathbf{4 2 6 8 1 4}$ | $\mathbf{2 8 4 5 1 6}$ | $\mathbf{3 0 4 5 0 3}$ | $\mathbf{3 1 4 9 5 7}$ | $\mathbf{2 5 1 6 0 5}$ | $\mathbf{1 9 6 7 9 8}$ | $\mathbf{2 4 5 1 7 2}$ | $\mathbf{1 9 4 9 9 1}$ |


| SPECIES | $\mathbf{1 9 9 7}$ | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BAC | 4649 | 8121 | 9313 | 6551 | 3896 | 2617 | 2285 | 2781 |
| BLU | 26296 | 31483 | 28564 | 23371 | 25735 | 24908 | 20798 | 28554 |
| ILL | 149763 | 84993 | 266201 | 189709 | 150631 | 13411 | 103375 | 1720 |
| KIN | 1392 | 2217 | 2602 | 1875 | 1625 | 1224 | 1275 | 1841 |
| LOL | 26122 | 51559 | 34866 | 64493 | 53560 | 23712 | 47422 | 26835 |
| MAR | 2099 | . | 29 | . | 147 | 1 | 31 | 24 |
| PAT | 1554 | 3502 | 4224 | 3069 | 1978 | 1678 | 1967 | 1926 |
| RAY | 3320 | 1077 | 4785 | 3853 | 4309 | 3364 | 3988 | 5151 |
| TOO | 1208 | 2103 | 2988 | 2318 | 1754 | 1793 | 1707 | 2002 |
| WHI | 13006 | 22378 | 18765 | 19831 | 19471 | 26970 | 23815 | 25905 |
| OTH | 916 | 3443 | 4701 | 4037 | 2018 | 1242 | 1748 | 5080 |
| ZYP | . | . | . | . | 76 | 59 | 685 | 1279 |
|  | $\mathbf{2 3 0 3 2 6}$ | $\mathbf{2 1 0 8 7 4}$ | $\mathbf{3 7 7 0 3 8}$ | $\mathbf{3 1 9 1 0 7}$ | $\mathbf{2 6 5 1 9 8}$ | $\mathbf{1 0 0 9 7 9}$ | $\mathbf{2 0 9 0 9 7}$ | $\mathbf{1 0 3 0 9 8}$ |


| SPECIES | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BAC | 2467 | 3469 | 5195 | 4076 | 5119 | 3129 | 4206 |
| BLU | 17047 | 20533 | 22204 | 13208 | 10395 | 6471 | 3974 |
| ILL | 7937 | 85614 | 161402 | 106608 | 44 | 12111 | 79384 |
| KIN | 1936 | 2821 | 3592 | 2226 | 3389 | 3639 | 3942 |
| LOL | 58811 | 43067 | 42003 | 52260 | 31475 | 66543 | 34682 |
| MAR | 0 | 0 | 0 | 0 | 0 | . | . |
| HAK | . | $8414^{* *}$ | $11,908^{* *}$ | $8805 * *$ | $13044^{* *}$ | $13606 * *$ | $9885 * *$ |
| PAT | $2735^{*}$ | $23^{* * *}$ | $0^{* * *}$ | $0^{* * *}$ | $0^{* * *}$ | $0 * * *$ | $0 * * *$ |
| RAY | 5698 | 4679 | 5663 | 3853 | 5872 | 5891 | 6954 |
| TOO | 1677 | 1572 | 1519 | 1429 | 1419 | 1403 | 1559 |
| WHI | 16721 | 19761 | 16669 | 15902 | 23403 | 19227 | 22864 |
| GRX | $\cdot$ | 797 | 622 | 943 | 958 | 455 | 2058 |
| COX | $\cdot$ | 20211 | 30157 | 60589 | 58234 | 76456 | 55648 |
| ZYP | 1358 | 1161 | 14 | 6 | 13 | 3 | 11 |
| OTH | 10717 | 1133 | 1099 | 502 | 246 | 225 | 358 |
|  | $\mathbf{1 2 7 1 0 4}$ | $\mathbf{2 1 3 2 5 6}$ | $\mathbf{3 0 2 0 4 6}$ | $\mathbf{2 7 0 4 0 7}$ | $\mathbf{1 5 3 6 1 2}$ | $\mathbf{2 0 9 1 5 9}$ | $\mathbf{2 2 5 5 2 5}$ |

[^3]
## Catch summary tables

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

| MONTH | $\mathbf{1 9 8 9}$ | $\mathbf{1 9 9 0}$ | $\mathbf{1 9 9 1}$ | $\mathbf{1 9 9 2}$ | $\mathbf{1 9 9 3}$ | $\mathbf{1 9 9 4}$ | $\mathbf{1 9 9 5}$ | $\mathbf{1 9 9 6}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 2475 | . | 5128 | 5217 | 3723 | 9149 | 7810 | 5217 |
| February | 30652 | 26620 | 19493 | 21028 | 6789 | 13273 | 28800 | 15782 |
| March | 89952 | 74890 | 88553 | 96826 | 39900 | 52894 | 46084 | 49887 |
| April | 131835 | 56338 | 83954 | 79745 | 79365 | 27654 | 49391 | 48971 |
| May | 73998 | 28475 | 32258 | 24303 | 51777 | 18914 | 21514 | 19526 |
| June | 11913 | 1017 | 112 | 107 | 437 | 2002 | 1786 | 1211 |
| July | 5265 | 2437 | 2538 | 223 | 1577 | 2172 | 2937 | 1418 |
| August | 24987 | 13196 | 14895 | 22415 | 20227 | 18151 | 25736 | 16451 |
| September | 26143 | 33653 | 21075 | 26933 | 16111 | 19569 | 25540 | 13562 |
| October | 14221 | 17836 | 13123 | 19839 | 11891 | 16105 | 14486 | 8315 |
| November | 8909 | 19119 | 9832 | 10736 | 11056 | 8805 | 11881 | 7406 |
| December | 6463 | 10934 | 13542 | 7585 | 8751 | 8111 | 9205 | 7245 |
|  | $\mathbf{4 2 6 8 1 4}$ | $\mathbf{2 8 4 5 1 6}$ | $\mathbf{3 0 4 5 0 3}$ | $\mathbf{3 1 4 9 5 7}$ | $\mathbf{2 5 1 6 0 5}$ | $\mathbf{1 9 6 7 9 8}$ | $\mathbf{2 4 5 1 7 2}$ | $\mathbf{1 9 4 9 9 1}$ |


|  | $\mathbf{1 9 9 7}$ | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 7918 | 7687 | 6605 | 5213 | 6497 | 3536 | 5881 | 2901 |
| February | 8660 | 19942 | 29626 | 47924 | 10926 | 12306 | 16612 | 9405 |
| March | 29199 | 47799 | 98631 | 94536 | 81574 | 17335 | 91036 | 15081 |
| April | 60718 | 63064 | 104827 | 63840 | 71936 | 13811 | 37830 | 11292 |
| May | 68234 | 22936 | 73790 | 48684 | 38621 | 15504 | 5680 | 4930 |
| June | 10474 | 2821 | 12665 | 2854 | 2199 | 1473 | 1385 | 727 |
| July | 2625 | 1596 | 2313 | 2502 | 1299 | 253 | 877 | 6771 |
| August | 10019 | 13012 | 13364 | 16528 | 17380 | 11863 | 21491 | 14344 |
| September | 8668 | 11157 | 11853 | 16874 | 15306 | 5751 | 14513 | 10571 |
| October | 7960 | 7778 | 9857 | 8333 | 12413 | 5668 | 8831 | 13552 |
| November | 8381 | 6395 | 7138 | 7306 | 4933 | 8638 | 3981 | 8412 |
| December | 7470 | 6689 | 6370 | 4513 | 2112 | 4841 | 980 | 5114 |
|  | $\mathbf{2 3 0 3 2 6}$ | $\mathbf{2 1 0 8 7 4}$ | $\mathbf{3 7 7 0 3 8}$ | $\mathbf{3 1 9 1 0 7}$ | $\mathbf{2 6 5 1 9 8}$ | $\mathbf{1 0 0 9 7 9}$ | $\mathbf{2 0 9 0 9 7}$ | $\mathbf{1 0 3 0 9 8}$ |


|  | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 1712 | 2180 | 2371 | 4071 | 3802 | 2741 | 4972 |
| February | 7562 | 10861 | 11130 | 14310 | 12424 | 12882 | 11110 |
| March | 27436 | 47995 | 40165 | 39441 | 20336 | 40979 | 75910 |
| April | 10581 | 46967 | 86250 | 65734 | 18753 | 30746 | 37111 |
| May | 3870 | 28046 | 69260 | 46724 | 17808 | 16801 | 18652 |
| June | 712 | 1839 | 8694 | 16356 | 5955 | 6947 | 8192 |
| July | 11786 | 10173 | 12356 | 10253 | 14481 | 17795 | 15420 |
| August | 22576 | 23408 | 26168 | 20955 | 16506 | 28250 | 18765 |
| September | 17104 | 15626 | 20049 | 23083 | 15139 | 22311 | 13113 |
| October | 11008 | 13522 | 14000 | 15444 | 13477 | 12308 | 10372 |
| November | 9644 | 8846 | 9748 | 9967 | 9328 | 9851 | 6693 |
| December | 3113 | 3792 | 1856 | 4069 | 5604 | 7466 | 5216 |
|  | $\mathbf{1 2 7 1 0 4}$ | $\mathbf{2 1 3 2 5 6}$ | $\mathbf{3 0 2 0 4 6}$ | $\mathbf{2 7 0 4 0 7}$ | $\mathbf{1 5 3 6 1 2}$ | $\mathbf{2 0 9 0 7 7}$ | $\mathbf{2 2 5 5 2 5}$ |

## Catch summary tables

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{4 0 0}$ | 571 | 2186 | 276 | $\cdot$ | $\cdot$ | . | . | . | . | . |
| $\mathbf{4 0 0 - 5 9 9}$ | 1502 | 6412 | 1604 | 2143 | 3527 | 3143 | 0 | 0 | 98 | 761 |
| $\mathbf{6 0 0 - 7 9 9}$ | 14107 | 50758 | 3709 | 6955 | 52598 | 85767 | 61835 | 11608 | 16214 | 30328 |
| $\mathbf{8 0 0 - 9 9 9}$ | 7974 | 42387 | 9987 | 13419 | 34392 | 79405 | 59514 | 19430 | 23746 | 61551 |
| $\mathbf{1 0 0 0 - 1 4 9 9}$ | 34363 | 48736 | 31390 | 35548 | 54044 | 63161 | 71711 | 65141 | 79059 | 68587 |
| $\mathbf{1 5 0 0 - 1 9 9 9}$ | 13455 | 15608 | 14958 | 24797 | 29284 | 33452 | 36462 | 31069 | 46090 | 38013 |
| $\mathbf{2 0 0 0 - 2 9 9 9}$ | 13205 | 30373 | 16436 | 33009 | 25230 | 24456 | 32065 | 18921 | 37934 | 21060 |
| $\mathbf{> 2 9 9 9}$ | 15803 | 12637 | 24738 | 11233 | 14180 | 12663 | 8820 | 7443 | 6018 | 5225 |
|  | $\mathbf{1 0 0 9 7 9}$ | $\mathbf{2 0 9 0 9 7}$ | $\mathbf{1 0 3 0 9 8}$ | $\mathbf{1 2 7 1 0 4}$ | $\mathbf{2 1 3 2 5 6}$ | $\mathbf{3 0 2 0 4 6}$ | $\mathbf{2 7 0 4 0 7}$ | $\mathbf{1 5 3 6 1 2}$ | $\mathbf{2 0 9 1 5 9}$ | $\mathbf{2 2 5 5 2 5}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<\mathbf{4 5}$ | 271 | 42 | $\cdot$ | $\cdot$ | $\dot{A}$ | $\dot{A}$ | . | . | 730 | 2831 |
| $\mathbf{4 5 - 4 9}$ | 8662 | 30524 | 5553 | 7824 | 24366 | 39348 | 31052 | 13343 | 16171 | 15274 |
| $\mathbf{5 0 - 5 4}$ | 14062 | 36900 | 13790 | 18202 | 46204 | 66139 | 50664 | 15783 | 14471 | 28324 |
| $\mathbf{5 5 - 5 9}$ | 8845 | 22691 | 4041 | 5826 | 22869 | 39903 | 32374 | 13976 | 32986 | 42289 |
| $\mathbf{6 0 - 6 4}$ | 9615 | 31321 | 11646 | 16725 | 29214 | 41920 | 42074 | 31319 | 42580 | 51956 |
| $\mathbf{6 5 - 6 9}$ | 18200 | 30024 | 19604 | 23806 | 34678 | 56105 | 52366 | 30813 | 43688 | 40790 |
| $\mathbf{7 0 - 7 9}$ | 17773 | 28338 | 10501 | 20768 | 23791 | 28571 | 31227 | 27868 | 42230 | 32505 |
| $\mathbf{8 0 - 8 9}$ | 5661 | 12649 | 11357 | 17923 | 14811 | 14052 | 17598 | 11048 | 4666 | 3121 |
| $\mathbf{8 8 9}$ | 17890 | 16606 | 26606 | 16030 | 17323 | 16009 | 13052 | 9552 | 11635 | 8435 |
|  | $\mathbf{1 0 0 9 7 9}$ | $\mathbf{2 0 9 0 9 7}$ | $\mathbf{1 0 3 0 9 8}$ | $\mathbf{1 2 7 1 0 4}$ | $\mathbf{2 1 3 2 5 6}$ | $\mathbf{3 0 2 4 0 6}$ | $\mathbf{2 7 0 4 0 7}$ | $\mathbf{1 5 3 6 1 2}$ | $\mathbf{2 0 9 1 5 9}$ | $\mathbf{2 2 5 5 2 5}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{< 1 0 0 0}$ | 183 | 42 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 2 | . |
| $\mathbf{1 0 0 0 - 1 1 9 9}$ | 917 | 6666 | 28 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | 730 | 1797 |
| $\mathbf{1 2 0 0 - 1 3 9 9}$ | 5516 | 17093 | 129 | 1796 | 15688 | 29866 | 18662 | 2172 | 3748 | 6975 |
| $\mathbf{1 4 0 0 - 1 5 9 9}$ | 10995 | 34576 | 8407 | 9782 | 40838 | 58657 | 44745 | 21354 | 18824 | 34367 |
| $\mathbf{1 6 0 0 - 1 7 9 9}$ | 4815 | 21161 | 5297 | 7206 | 24325 | 40361 | 37133 | 15173 | 20935 | 19158 |
| $\mathbf{1 8 0 0 - 1 9 9 9}$ | 18246 | 40925 | 20248 | 22760 | 47600 | 68196 | 57387 | 37927 | 55212 | 62515 |
| $\mathbf{2 0 0 0 - 2 4 9 9}$ | 18188 | 31772 | 19557 | 26874 | 34833 | 52344 | 55518 | 40865 | 49758 | 57073 |
| $\mathbf{2 5 0 0 - 2 9 9 9}$ | 10652 | 10413 | 7303 | 9703 | 6063 | 11512 | 11060 | 5067 | 9753 | 13706 |
| $\mathbf{3 0 0 0 - 3 9 9 9}$ | 11947 | 26292 | 14997 | 28618 | 22392 | 21237 | 28380 | 23601 | 33923 | 18069 |
| $\mathbf{> 3 9 9 9}$ | 19519 | 20158 | 27133 | 20366 | 21517 | 19874 | 17522 | 7453 | 16274 | 11865 |
|  | $\mathbf{1 0 0 9 7 9}$ | $\mathbf{2 0 9 0 9 7}$ | $\mathbf{1 0 3 0 9 8}$ | $\mathbf{1 2 7 1 0 4}$ | $\mathbf{2 1 3 2 5 6}$ | $\mathbf{3 0 2 0 4 6}$ | $\mathbf{2 7 0 4 0 7}$ | $\mathbf{1 5 3 6 1 2}$ | $\mathbf{2 0 9 1 5 9}$ | $\mathbf{2 2 5 5 2 5}$ |

## Catch summary tables

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

| Fishing fleet | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BG | 13503 | 22369 | 21888 | 8981 | 2976 | . | . | . |
| BZ | . | . | . | . | . | . | 585 |  |
| CL | 1150 | 1884 | . | 3145 | 1514 | 5223 | 9997 | 6638 |
| ES | 82345 | 65908 | 57605 | 87763 | 58143 | 67191 | 89284 | 40842 |
| FK | 781 | 5853 | 1470 | 1846 | 1978 | 5906 | 27184 | 31520 |
| FR | . | . | . | . | . | 1945 | 7369 | 4600 |
| GR | 4960 | 3121 | . | . | . | . | . | . |
| HN | . | . | 1712 | 2761 | 3681 | 2976 | 2833 | 850 |
| IS | . | . |  | . |  |  | . | 214 |
| IT | 10391 | 4547 | 2409 | 2923 | 2142 | 1181 | 218 | . |
| JP | 125567 | 60028 | 93652 | 68325 | 39510 | 39916 | 25583 | 24870 |
| KR | 51133 | 32996 | 61614 | 72489 | 65228 | 42987 | 63236 | 73861 |
| NA | . | . | . | . | . | . | . | . |
| NL | 4587 | 3369 | . | . | . | . | . | . |
| NO | . | 1384 | . | . | . | . | . | 319 |
| PA | . | . | 2425 | 4027 | 1060 | 598 | 459 | 706 |
| PL | 74039 | 64765 | 43878 | 32996 | 12442 | 11178 | 8861 | 3262 |
| PT | 9143 | 6430 | 3268 | 1548 | 1809 | 2512 | 5157 | 1052 |
| RU | . | . | . | . | . | 39 | . | . |
| SL | . | . | . | 1150 | 822 | 373 | . | . |
| TW | 37529 | 10479 | 12590 | 27002 | 59853 | 13497 | 2323 | 1901 |
| UK | 11685 | 1383 | 1992 | . | 445 | 1255 | 2083 | 4357 |
| UR | . | . | . | . | . | 21 | . | . |
|  | 426814 | 284516 | 304503 | 314957 | 251605 | 196798 | 245172 | 194991 |

## Catch summary tables

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

| Fishing fleet | $\mathbf{1 9 9 7}$ | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AU | $\cdot$ | 3593 | 3711 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| BZ | $\cdot$ | $\cdot$ | 4511 | 6729 | 2581 | 136 | 2788 | 42 | 61 |
| CB | $\cdot$ | $\cdot$ | $\cdot$ | 2768 | 1204 | 33 | 857 | 17 | $\cdot$ |
| CL | 8199 | 8849 | 5491 | 2749 | 8014 | 9252 | 6490 | 9752 | $\cdot$ |
| CN | $\cdot$ | 1177 | 7301 | 11641 | 18838 | 1203 | 12652 | 99 | 99 |
| EE | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 226 | $\cdot$ |
| ES | 20510 | 40307 | 35909 | 30732 | 29170 | 23972 | 20169 | 22488 | 24546 |
| FK | 17117 | 43578 | 39131 | 62947 | 59820 | 35732 | 60596 | 43320 | 71205 |
| FR | 1545 | 4177 | 2381 | 2053 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| IS | 268 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| JP | 46060 | 5699 | 57971 | 41737 | 27913 | 14485 | 18923 | 15062 | 11230 |
| KR | 129546 | 45082 | 207795 | 128940 | 86587 | 12637 | 53677 | 6008 | 10074 |
| NA | 303 | 676 | 746 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 1181 | $\cdot$ |
| NO | 210 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| NZ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 69 | $\cdot$ | $\cdot$ |
| PA | $\cdot$ | 1098 | 61 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 194 |
| PT | $\cdot$ | $\cdot$ | $\cdot$ | 66 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| RU | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 228 | $\cdot$ | 6891 | 31 | $\cdot$ |
| SC | 1252 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| TW | 3013 | 1734 | 8771 | 23243 | 25380 | 1190 | 22057 | 866 | 3106 |
| UK | 2302 | 3575 | 3259 | 5501 | 3564 | 2279 | 3238 | 2703 | 5100 |
| UR | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| UY | $\cdot$ | 36 | $\cdot$ | $\cdot$ | 81 | 61 | 690 | 1303 | 1369 |
| VC | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 1820 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| VU | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 120 |
|  | $\mathbf{2 3 0 3 2 6}$ | $\mathbf{2 1 0 8 7 4}$ | $\mathbf{3 7 7 0 3 8}$ | $\mathbf{3 1 9 1 0 7}$ | $\mathbf{2 6 5 1 9 8}$ | $\mathbf{1 0 0 9 7 9}$ | $\mathbf{2 0 9 0 9 7}$ | $\mathbf{1 0 3 0 9 8}$ | $\mathbf{1 2 7 1 0 4}$ |


| Fishing fleet | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{B Z}$ | $\cdot$ | 2285 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| CB |  |  |  |  | 94 | 1144 |
| CL | 2131 | 3948 | 1640 | $\cdot$ | $\cdot$ | $\cdot$ |
| CN | 3555 | 8575 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| EE | 1247 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| ES | 42024 | 56165 | 72570 | 80245 | 88060 | 77796 |
| FK | 65229 | 65812 | 76949 | 58540 | 93182 | 62184 |
| GH | 1244 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| JP | 12049 | 9042 | 8820 | 7443 | 6018 | 4745 |
| KR | 60943 | 99171 | 81224 | 3317 | 9502 | 26307 |
| PA | 1375 | 3150 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| RU |  |  |  | $\cdot$ | 2 | $\cdot$ |
| SL |  |  |  | $\cdot$ | 80 | $\cdot$ |
| TW | 18554 | 49970 | 24353 | $\cdot$ | 5808 | 48667 |
| UK | 3734 | 3928 | 4850 | 4067 | 6271 | 2861 |
| UY | 1169 | $\cdot$ | $\cdot$ | $\cdot$ |  | $\cdot$ |
| VU |  |  |  |  | 142 | 1821 |
|  | $\mathbf{2 1 3 2 5 6}$ | $\mathbf{3 0 2 0 4 6}$ | $\mathbf{2 7 0 4 0 7}$ | $\mathbf{1 5 3 6 1 2}$ | $\mathbf{2 0 9 1 5 9}$ | $\mathbf{2 2 5 5 2 5}$ |

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

| VESSEL |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| JI | 13000 | 101753 | 1661 | 7776 | 68950 | 157533 | 100317 | 3 | 11645 | 73703 |
| TR | 411 | 1622 | 59 | 162 | 16665 | 3869 | 6290 | 41 | 466 | 5681 |
|  | $\mathbf{1 3 4 1 1}$ | $\mathbf{1 0 3 3 7 5}$ | $\mathbf{1 7 2 0}$ | $\mathbf{7 9 3}$ | $\mathbf{8 5 6 1 4}$ | $\mathbf{1 6 1 4 0 2}$ | $\mathbf{1 0 6 6 0 8}$ | $\mathbf{4 4}$ | $\mathbf{1 2 1 1 1}$ | $\mathbf{7 9 3 8 4}$ |

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

| MONTH | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 1 | . | . |  | 6 | 4 | 0 |  |  |  |
| February | 1293 | 1944 | 24 | 87 | 454 | 3056 | 952 | 1 | 134 | 988 |
| March | 1911 | 71279 | 1424 | 6915 | 26654 | 22693 | 11460 | 30 | 9847 | 60954 |
| April | 2766 | 28624 | 269 | 934 | 36353 | 71559 | 48116 | 11 | 2128 | 17383 |
| May | 7439 | 1516 | 3 | 0 | 21922 | 58852 | 34088 | 1 | 1 | 59 |
| June | 0 | 11 | . | . | 225 | 5237 | 11991 | 0 | . | 0 |
| July | . | . | . | . | . | . | 1 | . | . | . |
| August | . | . | . | . | . | . | . | . | . | . |
| September | . | . | . | . | . | . | . | . | 0 | . |
| October | . | . | . | . | . | . | . | . | 0 | . |
| November |  | . |  | . | . |  | . |  | . | 0 |
| December |  |  | . | . | . |  |  |  | . | 0 |
|  | 13411 | 103375 | 1720 | 7937 | 85614 | 161402 | 106608 | 44 | 12111 | 79384 |

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

| Fishing fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AU | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| BZ | 124 | 2767 | 42 | 61 | $\cdot$ | 2285 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| CB | 33 | 857 | 17 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 94 | 1144 |
| CL | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| CN | 1203 | 12652 | 99 | 99 | 3555 | 8575 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| EE | $\cdot$ | $\cdot$ | 3 | $\cdot$ | 472 |  | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| ES | 271 | 960 | 22 | 95 | 2320 | 3297 | 3197 | 33 | 187 | 2028 |
| FK | 140 | 659 | 16 | 93 | 1050 | 537 | 442 | 8 | 67 | 2828 |
| FR | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| GH |  |  |  | $\cdot$ | 1244 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| IS | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| JP | 1113 | 7746 | 93 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| KR | 9338 | 48766 | 530 | 4170 | 57030 | 94807 | 78612 | 3 | 5733 | 22891 |
| NA | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| PA | $\cdot$ | $\cdot$ | $\cdot$ | 194 | 1375 | 1896 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| RU | $\cdot$ | 6891 | 31 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| SL |  |  |  |  |  |  |  |  | 80 | $\cdot$ |
| TW | 1189 | 22077 | 865 | 3106 | 18554 | 49970 | 24353 | 0 | 5808 | 48667 |
| UK | $\cdot$ | $\cdot$ | 1 | $\cdot$ | 15 | 35 | 4 | 0 | $\cdot$ | 4 |
| VC | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| VU |  |  |  | 120 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 142 | 1821 |
|  | $\mathbf{1 3 4 1 1}$ | $\mathbf{1 0 3 3 7 5}$ | $\mathbf{1 7 2 0}$ | $\mathbf{7 9 3 7}$ | $\mathbf{8 5 6 1 4}$ | $\mathbf{1 6 1 4 0 2}$ | $\mathbf{1 0 6 6 0 8}$ | $\mathbf{4 4}$ | $\mathbf{1 2 1 1 1}$ | $\mathbf{7 9 3 8 4}$ |

## Illex argentinus-IIlex squid

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | 190 | 1888 | 24 | . | . | . | . | . | . | . |
| $400-599$ | 1206 | 5030 | 26 | 280 | 2067 | 3143 | $\cdot$ | . | 98 | 761 |
| $600-799$ | 7338 | 45406 | 493 | 3757 | 47876 | 76265 | 52635 | 3 | 4089 | 21395 |
| $800-999$ | 2530 | 34521 | 994 | 3487 | 23849 | 66413 | 43624 | 6 | 6679 | 46451 |
| $1000-1499$ | 2061 | 16232 | 153 | 381 | 10690 | 13554 | 9842 | 34 | 1148 | 8421 |
| $1500-1999$ | 86 | 177 | 12 | 14 | 1022 | 2026 | 430 | 1 | 96 | 1184 |
| $2000-2999$ | 1 | 120 | 1 | 19 | 111 | 0 | 69 | 0 | . | 1173 |
| $>2999$ | . | . | 17 | . | . | . | . | . | . | . |
|  | $\mathbf{1 3 4 1 1}$ | $\mathbf{1 0 3 3 7 5}$ | $\mathbf{1 7 2 0}$ | $\mathbf{7 9 3 7}$ | $\mathbf{8 5 6 1 4}$ | $\mathbf{1 6 1 4 0 2}$ | $\mathbf{1 0 6 6 0 8}$ | $\mathbf{4 4}$ | $\mathbf{1 2 1 1 1}$ | $\mathbf{7 9 3 8 4}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | $\cdot$ | $\cdot$ | 0 | . | . | . | . | . | 98 | 871 |
| $45-49$ | 5176 | 25175 | 277 | 1914 | 16493 | 28700 | 17640 | 3 | 1277 | 5339 |
| $50-54$ | 3089 | 24699 | 312 | 2206 | 30895 | 49460 | 39423 | 5 | 3491 | 17241 |
| $55-59$ | 1293 | 16753 | 447 | 1736 | 15719 | 31360 | 20204 | 1 | 2585 | 20031 |
| $60-64$ | 1779 | 18624 | 348 | 832 | 10718 | 20600 | 11409 | 17 | 2208 | 17554 |
| $65-69$ | 1583 | 13616 | 254 | 1091 | 9264 | 26783 | 17496 | 4 | 2058 | 12883 |
| $70-79$ | 490 | 4414 | 61 | 140 | 2412 | 4499 | 283 | 14 | 393 | 5081 |
| $80-89$ | 1 | 90 | 3 | 19 | 111 | . | 145 | 0 | . | 144 |
| $>89$ | . | 4 | 17 | . | 3 | . | 1 | 0 | . | 240 |
|  | $\mathbf{1 3 4 1 1}$ | $\mathbf{1 0 3 3 7 5}$ | $\mathbf{1 7 2 0}$ | $\mathbf{7 9 3 7}$ | $\mathbf{8 5 6 1 4}$ | $\mathbf{1 6 1 4 0 2}$ | $\mathbf{1 0 6 6 0 8}$ | $\mathbf{4 4}$ | $\mathbf{1 2 1 1 1}$ | $\mathbf{7 9 3 8 4}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | 122 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . |
| $1000-1199$ | 917 | 6597 | 28 | 1158 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 98 | 761 |
| $1200-1399$ | 2808 | 16189 | 147 | 2218 | 14549 | 27556 | 16162 | 0 | 947 | 5208 |
| $1400-1599$ | 4015 | 27928 | 329 | 937 | 28947 | 45081 | 30225 | 5 | 3403 | 20000 |
| $1600-1799$ | 2073 | 14773 | 214 | 2250 | 14749 | 28652 | 21576 | 17 | 1710 | 6849 |
| $1800-1999$ | 2610 | 26640 | 656 | 1041 | 20250 | 36701 | 19369 | 7 | 2981 | 21967 |
| $2000-2499$ | 766 | 10375 | 246 | 315 | 6994 | 20302 | 14772 | 14 | 2025 | 15340 |
| $2500-2999$ | 99 | 753 | 80 | 19 | 3 | 3075 | 4423 | 0 | 946 | 7488 |
| $3000-3999$ | 1 | 109 | 2 | $\cdot$ | 120 | 35 | 62 | 0 | $\cdot$ | 793 |
| $>3999$ | $\cdot$ | 12 | 17 | . | 3 | $\cdot$ | 12 | . | . | 978 |
|  | $\mathbf{1 3 4 1 1}$ | $\mathbf{1 0 3 3 7 5}$ | $\mathbf{1 7 2 0}$ | $\mathbf{7 9 3 7}$ | $\mathbf{8 5 6 1 4}$ | $\mathbf{1 6 1 4 0 2}$ | $\mathbf{1 0 6 6 0 8}$ | $\mathbf{4 4}$ | $\mathbf{1 2 1 1 1}$ | $\mathbf{7 9 3 8 4}$ |

## Illex argentinus-IIlex squid

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | 190 | 1888 | 24 | $\cdot$ | . | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $400-599$ | 1206 | 5030 | 26 | 280 | 2067 | 3143 | $\cdot$ | $\cdot$ | 98 | 761 |
| $600-799$ | 7279 | 45203 | 489 | 3756 | 40707 | 75854 | 52171 | 3 | 4068 | 21000 |
| $800-999$ | 2484 | 34168 | 988 | 3484 | 17667 | 66034 | 40683 | 0 | 6457 | 45192 |
| $1000-1499$ | 1841 | 15463 | 133 | 228 | 8509 | 10680 | 7463 | 0 | 1021 | 6750 |
| $1500-1999$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 1822 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $2000-2999$ | $\cdot$ | . | . | . | . | $\cdot$ | . | . | . | $\cdot$ |
|  | $\mathbf{1 3 0 0 0}$ | $\mathbf{1 0 1 7 5 3}$ | $\mathbf{1 6 6 0}$ | $\mathbf{7 7 4 9}$ | $\mathbf{6 8 9 5 0}$ | $\mathbf{1 5 7 5 3 3}$ | $\mathbf{1 0 0 3 1 7}$ | $\mathbf{3}$ | $\mathbf{1 1 6 4 5}$ | $\mathbf{7 3 7 0 2}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | $\cdot$ | $\cdot$ | . | . | . | . | . | $\cdot$ | 98 | 761 |
| $45-49$ | 5130 | 24798 | 274 | 1911 | 16300 | 28068 | 17342 | . | 1256 | 4973 |
| $50-54$ | 3036 | 24461 | 305 | 2184 | 24724 | 49197 | 36397 | 2 | 3273 | 16346 |
| $55-59$ | 1214 | 16480 | 440 | 1706 | 10861 | 30972 | 20091 | . | 2527 | 19081 |
| $60-64$ | 1736 | 18420 | 345 | 776 | 9800 | 19021 | 9523 | . | 2154 | 16409 |
| $65-69$ | 1496 | 13372 | 244 | 1058 | 5342 | 25958 | 16965 | 0 | 1967 | 12290 |
| $70-79$ | 388 | 4222 | 52 | 113 | 1923 | 4316 | $\cdot$ | 1 | 370 | 3843 |
| $>79$ | . | . | . | . | . | . | . | . | . |  |
|  | $\mathbf{1 3 0 0 0}$ | $\mathbf{1 0 1 7 5 3}$ | $\mathbf{1 6 6 0}$ | $\mathbf{7 7 4 9}$ | $\mathbf{6 8 9 5 0}$ | $\mathbf{1 5 7 5 3 3}$ | $\mathbf{1 0 0 3 1 7}$ | $\mathbf{3}$ | $\mathbf{1 1 6 4 5}$ | $\mathbf{7 3 7 0 2}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | 122 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 98 | $\cdot$ |
| $1000-1199$ | 917 | 6597 | 28 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 946 | 761 |
| $1200-1399$ | 2775 | 16074 | 147 | 1158 | 10574 | 27350 | 16102 | $\cdot$ | 3386 | 5208 |
| $1400-1599$ | 3944 | 27446 | 320 | 2198 | 25095 | 44568 | 29644 | $\cdot$ | 1643 | 20053 |
| $1600-1799$ | 2063 | 14670 | 211 | 912 | 10957 | 28114 | 20503 | 3 | 2879 | 6419 |
| $1800-1999$ | 2439 | 26155 | 640 | 2137 | 16038 | 34783 | 18255 | 0 | 1959 | 20887 |
| $2000-2400$ | 667 | 10088 | 233 | 1029 | 6286 | 19643 | 14039 | $\cdot$ | 734 | 13947 |
| $2500-2999$ | 74 | 723 | 81 | 315 | $\cdot$ | 3075 | 1774 | $\cdot$ | $\cdot$ | 6428 |
| $3000-3999$ | . | . | . | . | $\cdot$ | $\cdot$ | . | . | . | $\cdot$ |
|  | $\mathbf{1 3 0 0 0}$ | $\mathbf{1 0 1 7 5 3}$ | $\mathbf{1 6 6 0}$ | $\mathbf{7 7 4 9}$ | $\mathbf{6 8 9 5 0}$ | $\mathbf{1 5 7 5 3 3}$ | $\mathbf{1 0 0 3 1 7}$ | $\mathbf{3}$ | $\mathbf{1 1 6 4 5}$ | $\mathbf{7 3 7 0 2}$ |

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $400-599$ | $\cdot$ | $\cdot$ | $\cdot$ | . | 7168 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $600-799$ | 59 | 203 | 4 | 0 | 6183 | 412 | 464 | 3 | 21 | 394 |
| $800-999$ | 45 | 353 | 1 | 3 | 2181 | 379 | 2941 | 4 | 222 | 1259 |
| $1000-1499$ | 220 | 769 | 25 | 126 | 1022 | 2874 | 2379 | 34 | 127 | 1672 |
| $1500-1999$ | 86 | 177 | 12 | 14 | 111 | 204 | 438 | 1 | 96 | 1184 |
| $2000-2999$ | 1 | 120 | 1 | 19 | $\cdot$ | 0 | 69 | 0 | $\cdot$ | 1173 |
| $<2999$ | . | . | 17 | . | . | . | . | . | . | $\cdot$ |
|  | $\mathbf{4 1 1}$ | $\mathbf{1 6 2 2}$ | $\mathbf{5 9}$ | $\mathbf{1 6 2}$ | $\mathbf{1 6 6 6 5}$ | $\mathbf{3 8 6 9}$ | $\mathbf{6 2 9 0}$ | $\mathbf{4 1}$ | $\mathbf{4 6 6}$ | $\mathbf{5 6 8 1}$ |

## Illex argentinus-IIlex squid

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | . | . | . | . | 110 |
| $45-49$ | 46 | 378 | 3 | 3 | 193 | 631 | 298 | 3 | 21 | 367 |
| $50-54$ | 53 | 237 | 7 | 22 | 6171 | 263 | 3026 | 2 | 218 | 895 |
| $55-59$ | 79 | 273 | 4 | 30 | 4858 | 388 | 113 | 1 | 58 | 950 |
| $60-64$ | 43 | 204 | 7 | 56 | 918 | 1578 | 1886 | 17 | 55 | 1144 |
| $65-69$ | 87 | 244 | 10 | 33 | 3922 | 825 | 539 | 3 | 91 | 593 |
| $70-79$ | 101 | 192 | 9 | 0 | 489 | 184 | 283 | 13 | 23 | 1237 |
| $80-89$ | 1 | 90 | 3 | 19 | 111 | $\cdot$ | 145 | 0 | $\cdot$ | 144 |
| $>89$ | . | 4 | 17 | . | 3 | . | 1 | 0 | . | 240 |
|  | $\mathbf{4 1 1}$ | $\mathbf{1 6 2 2}$ | $\mathbf{5 9}$ | $\mathbf{1 6 2}$ | $\mathbf{1 6 6 6 5}$ | $\mathbf{3 8 6 9}$ | $\mathbf{6 2 9 0}$ | $\mathbf{4 1}$ | $\mathbf{4 6 6}$ | $\mathbf{5 6 8 1}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1000-1199$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | $\cdot$ | $\cdot$ | $\cdot$ |
| $1200-1399$ | 33 | 115 | $\cdot$ | . | 3975 | 206 | 61 | $\cdot$ | 1 | $\cdot$ |
| $1400-1599$ | 71 | 482 | 8 | 20 | 3853 | 513 | 581 | 5 | 18 | 618 |
| $1600-1799$ | 10 | 103 | 2 | 25 | 3792 | 538 | 1073 | 15 | 66 | 430 |
| $1800-1999$ | 171 | 485 | 16 | 87 | 4212 | 1918 | 1121 | 6 | 103 | 1079 |
| $2000-2499$ | 98 | 287 | 14 | 11 | 707 | 659 | 732 | 14 | 67 | 1394 |
| $2500-2999$ | 25 | 31 | 0 | 0 | 3 | $\cdot$ | 2648 | 0 | 212 | 1061 |
| $3000-3999$ | 1 | 109 | 19 | 19 | 120 | 35 | 62 | 0 | $\cdot$ | 793 |
| $>3999$ | . | 12 | . | . | 3 | . | 12 | . | . | 307 |
|  | $\mathbf{4 1 1}$ | $\mathbf{1 6 2 2}$ | $\mathbf{5 9}$ | $\mathbf{1 6 2}$ | $\mathbf{1 6 6 6 5}$ | $\mathbf{3 8 6 9}$ | $\mathbf{6 2 9 0}$ | $\mathbf{4 1}$ | $\mathbf{4 6 6}$ | $\mathbf{5 6 8 1}$ |

## Illex argentinus

1st Season 2011 (01 Jan to 30 Jul)


Catch (mt) by grid square)

Length- frequency distribution and length-weight relationship in trawler fleet in 2011



Length- frequency distribution and length-weight relationship in jigger fleet in 2011



## Loligo gahi - Patagonian squid

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TR | 23712 | 47422 | 26835 | 58811 | 43067 | 42003 | 52260 | 31475 | 66543 | 34682 |
|  | $\mathbf{2 3 7 1 2}$ | $\mathbf{4 7 4 2 2}$ | $\mathbf{2 6 8 3 5}$ | $\mathbf{5 8 8 1 1}$ | $\mathbf{4 3 0 6 7}$ | $\mathbf{4 2 0 0 3}$ | $\mathbf{5 2 2 6 0}$ | $\mathbf{3 1 4 7 5}$ | $\mathbf{6 6 5 4 3}$ | $\mathbf{3 4 6 8 2}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | . | 0 | . | . | . | 0 | . | 0 | 0 | . |
| February | 3980 | 1180 | 586 | 2050 | 2943 | 729 | 3972 | 2013 | 4455 | 1308 |
| March | 2761 | 12340 | 4431 | 17905 | 13716 | 10271 | 15406 | 8573 | 16963 | 10280 |
| April | 2750 | 3851 | 2519 | 7427 | 2770 | 6388 | 5633 | 2403 | 7733 | 3829 |
| May | 4707 | 1224 | 869 | 1365 | 2 | 35 | 4 | 17 | 5 | 20 |
| June | 0 | 378 | 201 | 209 | 6 | 10 | 18 | 8 | 3 | 11 |
| July | 0 | 8 | 5852 | 10265 | 8132 | 6325 | 5611 | 8228 | 11013 | 7075 |
| August | 8007 | 16921 | 8045 | 14442 | 13988 | 14435 | 10780 | 8102 | 16654 | 8186 |
| September | 1213 | 9134 | 4301 | 5090 | 1425 | 3743 | 10780 | 2030 | 9622 | 3856 |
| October | 290 | 2372 | 30 | 42 | 81 | 56 | 52 | 82 | 80 | 99 |
| November | 3 | 11 | 1 | 15 | 4 | 9 | 4 | 19 | 16 | 18 |
| December | 0 | 1 | 0 | 0 | 0 | 1 | . | . | 0 | . |
|  | $\mathbf{2 3 7 1 2} \mathbf{4 7 4 2 2}$ | $\mathbf{2 6 8 3 5}$ | $\mathbf{5 8 8 1 1}$ | $\mathbf{4 3 0 6 7}$ | $\mathbf{4 2 0 0 3}$ | $\mathbf{5 2 2 6 0}$ | $\mathbf{3 1 4 7 5}$ | $\mathbf{6 6 5 4 3}$ | $\mathbf{3 4 6 8 2}$ |  |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ES | 3036 | 458 | 98 | 104 | 74 | 134 | 3055 | 1756 | 3723 | 2622 |
| FK | 18613 | 43830 | 23573 | 54178 | 40165 | 38090 | 45684 | 27181 | 58016 | 30580 |
| JP | . | . | 1 |  | . | 2 | 1 | 0 | 0 | . |
| KR | 13 | 38 | 53 | 13 | 41 | 22 | 6 | 2 | 34 | 54 |
| NA | . | . | 1141 | . | . | . | . | . | . | . |
| PA | . | . | . | . | . | 1075 | . | . | . | . |
| PL | . | . | . | . | . | . | . | . | . | . |
| PT | . | . | . | . | . | . | . | . | . | . |
| SC | . | . | . | . | . | . | . | . | . | . |
| UK | 2049 | 3095 | 1967 | 4516 | 2786 | 2681 | 3515 | 2535 | 4770 | 1426 |
| VC | . | . | . | . | . | . | . | . | . |  |
|  | 23712 | 47422 | 26835 | 58811 | 43067 | 42003 | 52260 | 31475 | 66543 | 34682 |

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $400-599$ | $\cdot$ | 4 | 2 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $600-799$ | 1102 | 847 | 19 | 202 | 8 | 29 | 14 | 179 | 76 | 45 |
| $800-999$ | 1361 | 2095 | 1149 | 2671 | 2165 | 2199 | 2872 | 1747 | 3030 | 1892 |
| $1000-1499$ | 3889 | 8088 | 5317 | 9844 | 6578 | 7552 | 8439 | 5299 | 10769 | 5974 |
| $1500-1999$ | 5312 | 9611 | 7474 | 17527 | 13227 | 12577 | 15577 | 9975 | 20173 | 9554 |
| $2000-2999$ | 12048 | 26776 | 12873 | 28564 | 21089 | 19645 | 25358 | 14275 | 32494 | 17212 |
| $>2999$ | $\cdot$ | $\cdot$ | 1 | 3 | $\cdot$ | 2 | 1 | 0 | 0 | 4 |
|  | $\mathbf{2 3 7 1 2}$ | $\mathbf{4 7 4 2 2}$ | $\mathbf{2 6 8 3 5}$ | $\mathbf{5 8 8 1 1}$ | $\mathbf{4 3 0 6 7}$ | $\mathbf{4 2 0 0 3}$ | $\mathbf{5 2 2 6 0}$ | $\mathbf{3 1 4 7 5}$ | $\mathbf{6 6 5 4 3}$ | $\mathbf{3 4 6 8 2}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | 0 | 12 |
| $45-49$ | 1361 | 2089 | 1116 | 2666 | 2157 | 2186 | 2872 | 1742 | 2793 | 1726 |
| $50-54$ | 2578 | 3621 | 1981 | 3601 | 2319 | 2335 | 24 | 265 | 47 | 59 |
| $55-59$ | 8 | 16 | 12 | 6 | 8 | 18 | 33 | 20 | 3861 | 1946 |
| $60-64$ | 2630 | 5868 | 3211 | 7083 | 5190 | 4980 | 6315 | 3678 | 15211 | 7937 |
| $65-69$ | 3114 | 6095 | 3844 | 8052 | 4978 | 4829 | 9221 | 6174 | 13790 | 6015 |
| $70-79$ | 6898 | 15325 | 6965 | 17771 | 14510 | 13592 | 17337 | 10116 | 21171 | 12007 |
| $80-89$ | 5114 | 10648 | 7890 | 14945 | 11208 | 11087 | 13103 | 7632 | 4504 | 2385 |
| $>89$ | 2009 | 3761 | 1816 | 4687 | 2696 | 2977 | 3355 | 1848 | 5165 | 2594 |
|  | $\mathbf{2 3 7 1 2}$ | $\mathbf{4 7 4 2 2}$ | $\mathbf{2 6 8 3 5}$ | $\mathbf{5 8 8 1 1}$ | $\mathbf{4 3 0 6 7}$ | $\mathbf{4 2 0 0 3}$ | $\mathbf{5 2 2 6 0}$ | $\mathbf{3 1 4 7 5}$ | $\mathbf{6 6 5 4 3}$ | $\mathbf{3 4 6 8 2}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |  |
| $1000-1199$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 0 | 6 |
| $1200-1399$ | 4 | 3 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . |  |
| $1400-1599$ | 1099 | 856 | 61 | 229 | 13 | 63 | 155 | 381 | 349 | 180 |
| $1600-1799$ | 1138 | 2290 | 1471 | 2901 | 2091 | 1965 | 103 | 29 | 35 | 31 |
| $1800-1999$ | 1548 | 2127 | 1172 | 2716 | 2189 | 2226 | 5389 | 3222 | 6141 | 3520 |
| $2000-2499$ | 5802 | 12238 | 8011 | 15686 | 11493 | 11276 | 13702 | 8621 | 17504 | 9421 |
| $2500-2999$ | 19 | 34 | 3004 | 4691 | 2722 | 4071 | 3360 | 1850 | 5196 | 2637 |
| $3000-3999$ | 10541 | 22774 | 10851 | 24078 | 18196 | 15913 | 21741 | 17373 | 27595 | 13668 |
| $>3999$ | 3561 | 7099 | 2266 | 8510 | 6363 | 6491 | 7810 | 0 | 9722 | 5218 |
|  | $\mathbf{2 3 7 1 2}$ | $\mathbf{4 7 4 2 2}$ | $\mathbf{2 6 8 3 5}$ | $\mathbf{5 8 8 1 1}$ | $\mathbf{4 3 0 6 7}$ | $\mathbf{4 2 0 0 3}$ | $\mathbf{5 2 2 6 0}$ | $\mathbf{3 1 4 7 5}$ | $\mathbf{6 6 5 4 3}$ | $\mathbf{3 4 6 8 2}$ |


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## Loligo gahi-Patagonian squid

Length- frequency distribution and length-weight relationship during first season 2011



## Loligo gahi-Patagonian squid

Length- frequency distribution and length-weight relationship during second season 2011



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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{J I}$ | 1 | . | . | . | . | . | . | . | . | . |
| TR | . | 30 | 24 | 0 | . | . | . | 0 | . | . |
|  | $\mathbf{1}$ | $\mathbf{3 0}$ | $\mathbf{2 4}$ | $\mathbf{0}$ | . | . | . | $\mathbf{0}$ | . | . |

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

| MONTH | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | . | . | . | . | . | . | . | . | . | . |
| February | 1 | 6 | 20 | 0 | . | . | . | . | . | . |
| March | . | 2 | 4 | . | . | . | . | . | . | . |
| April | . | 2 | . | . | . | . | . | . | . | . |
| May | . | 13 | . | . | . | . | . | . | . | . |
| June | . | 6 | . | . | . | . | . | . | . | . |
| July | . | . | . | . | . | . | . | . | . | . |
| August | . | 1 | . | . | . | . | . | . | . | . |
| September | . | 0 | . | . | . | . | . | . | . | . |
| October | . | . | . | . | . | . | . | 0 | . | . |
| November | . | . | . | . | . | . | . | . | . | . |
| December | . | . | . | ( | . | . | . | . | . | . |
|  | 1 | 30 | 24 | 0 | . | . | . | 0 | . | . |

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

| Fishing fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{C B}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| ES | $\cdot$ | 2 | 17 | 0 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| FK | $\cdot$ | 28 | 7 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 0 | $\cdot$ | $\cdot$ |
| JP | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| KR | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| TW | 1 | . | . | . | . | . | . | . | . | . |
|  | $\mathbf{1}$ | $\mathbf{3 0}$ | $\mathbf{2 4}$ | $\mathbf{0}$ | . | . | . | $\mathbf{0}$ | . | . |

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

| GRT | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| <400 | . | . | . | . | . | . | . | . | . | . |
| 400-599 | . | . | . | . | . | . | . | . | . | . |
| 600-799 | . | . | . | . | . | . | . | . | . | . |
| 800-999 | 1 | . | . | . | . | . | . | . | . | . |
| 1000-1499 | . | 27 | 11 | 0 | . | . | . | 0 | . | . |
| 1500-1999 | . | 3 | 13 | . | . | . | . | . | . | . |
| 2000-2999 | . | . | . | . | . | . | . | . | . | . |
| $\geq 2999$ | . | . | . | . | . | . | . | . | . | . |
|  | 1 | 30 | 24 | 0 | . | . | . | 0 | . | . |

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

| LOA | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | . | . | . | . | . | . | . | . | . | . |
| 45-49 | . | . | . | . | . | . | . | . | . | . |
| 50-54 | . | 25 | 7 | . | . | . | . | . | . | . |
| 55-59 | 1 | 0 | . | . | . | . | . | . | . | . |
| 60-64 | . | 1 | . | . | . | . | . | . | . | . |
| 65-69 | . | 3 | 17 | 0 | . | . | . | 0 | . | . |
| 70-79 | . | 1 | . | . | . | . | . | . | . | . |
| 80-89 | . | . | . | . | . | . | . | . | . | . |
| $>89$ | . | . | . | . | . | . | . | . | . | . |
|  | 1 | 30 | 24 | 0 | . | . | . | 0 | . | . |

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

| BHP | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| <1000 | . | . | . | . | . | . | . | . | . | . |
| 1000-1199 | . | . | . | . | . | . | . | . | . | . |
| 1200-1399 | . | . | . | . | . | . | . | . | . | . |
| 1400-1599 | . | 25 | 7 | . | . | . | . | . | . | . |
| 1600-1799 | . | 1 | . | . | . | . | . | . | . | . |
| 1800-1999 | 1 | 2 | 17 | 0 | . | . | . | . | . | . |
| 2000-2499 | . | 2 | . | . | . | . | . | 0 | . | . |
| 2500-2999 | . | . | . | . | . | . | . | . | . | . |
| 3000-3999 | . | . | . | . | . | . | . | . | . | . |
| >3999 | . | . | . | . | . |  | . | . | . | . |
|  | 1 | 30 | 24 | 0 | . | . | . | 0 | . | . |

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TR | 24908 | 20798 | 28553 | 17047 | 20533 | 22204 | 13208 | 10395 | 6471 | 3974 |
|  | $\mathbf{2 4 9 0 8}$ | $\mathbf{2 0 7 9 8}$ | $\mathbf{2 8 5 5 4}$ | $\mathbf{1 7 0 4 7}$ | $\mathbf{2 0 5 3 3}$ | $\mathbf{2 2 2 0 4}$ | $\mathbf{1 3 2 0 8}$ | $\mathbf{1 0 3 9 5}$ | $\mathbf{6 4 7 1}$ | $\mathbf{3 9 7 4}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 2476 | 4545 | 234 | 759 | 164 | 84 | 12 | 129 | 1439 | 199 |
| February | 4563 | 6448 | 3155 | 811 | 383 | 515 | 243 | 139 | 32 | 233 |
| March | 5875 | 5328 | 3652 | 227 | 2029 | 172 | 252 | 339 | 107 | 26 |
| April | 2443 | 1299 | 1785 | 158 | 303 | 84 | 150 | 126 | 414 | 254 |
| May | 580 | 40 | 103 | 142 | 86 | 11 | 42 | 51 | 76 | 27 |
| June | 17 | $\cdot$ | . | 7 | 6 | 0 | 0 | 6 | 9 | 10 |
| July | . | . | 7 | 1 | 0 | 56 | 70 | 3 | 2 | 7 |
| August | 302 | 32 | 598 | 527 | 145 | 865 | 662 | 608 | 296 | 543 |
| September | 668 | 1053 | 2192 | 4242 | 4772 | 8126 | 2817 | 2520 | 248 | 496 |
| October | 770 | 1337 | 6390 | 4705 | 6609 | 6549 | 3914 | 1947 | 537 | 5 |
| November | 4147 | 597 | 6624 | 3899 | 3199 | 5400 | 3165 | 1877 | 2171 | 1369 |
| December | 3068 | 119 | 3814 | 1569 | 2837 | 342 | 1881 | 2651 | 1141 | 805 |
|  | $\mathbf{2 4 9 0 8}$ | $\mathbf{2 0 7 9 8}$ | $\mathbf{2 8 5 5 4}$ | $\mathbf{1 7 0 4 7}$ | $\mathbf{2 0 5 3 3}$ | $\mathbf{2 2 2 0 4}$ | $\mathbf{1 3 2 0 8}$ | $\mathbf{1 0 3 9 5}$ | $\mathbf{6 4 7 1}$ | $\mathbf{3 9 7 4}$ |

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

| Fishing fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{B Z}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| CL | 7155 | 5876 | 8218 | $\cdot$ | 1884 | 3260 | 1527 | $\cdot$ | $\cdot$ | $\cdot$ |
| EE | $\cdot$ | $\cdot$ | 13 | $\cdot$ | 13 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| ES | 3152 | 2865 | 4358 | 5275 | 5514 | 6810 | 2809 | 2450 | 1010 | 851 |
| FK | 2814 | 2511 | 2690 | 1676 | 1773 | 3074 | 1753 | 1670 | 375 | 764 |
| JP | 11670 | 9515 | 12939 | 10023 | 11302 | 8896 | 6859 | 6173 | 5062 | 2282 |
| KR | 3 | 11 | 163 | 44 | 0 | 96 | 237 | 1 | 24 | 31 |
| UK | 116 | 20 | 173 | 29 | 47 | 69 | 24 | 100 | 1 | 45 |
|  | $\mathbf{2 4 9 0 8}$ | $\mathbf{2 0 7 9 8}$ | $\mathbf{2 8 5 5 4}$ | $\mathbf{1 7 0 4 7}$ | $\mathbf{2 0 5 3 3}$ | $\mathbf{2 2 2 0 4}$ | $\mathbf{1 3 2 0 8}$ | $\mathbf{1 0 3 9 5}$ | $\mathbf{6 4 7 1}$ | $\mathbf{3 9 7 4}$ |

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{4 0 0}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\mathbf{4 0 0 - 5 9 9}$ | $\cdot$ | 0 | $\cdot$ | 0 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\mathbf{6 0 0 - 7 9 9}$ | 500 | 519 | 270 | 279 | 448 | 940 | 606 | 250 | 347 | 65 |
| $\mathbf{8 0 0 - 9 9 9}$ | 155 | 586 | 599 | 126 | 0 | 719 | 350 | 252 | 241 | 115 |
| $\mathbf{1 0 0 0 - 1 4 9 9}$ | 9545 | 7005 | 4145 | 4480 | 2472 | 3452 | 1465 | 1273 | 269 | 262 |
| $\mathbf{1 5 0 0 - 1 9 9 9}$ | 1439 | 474 | 1491 | 1653 | 4355 | 4763 | 3155 | 2334 | 521 | 1024 |
| $\mathbf{2 0 0 0 - 2 9 9 9}$ | 428 | 928 | 892 | 487 | 72 | 174 | 773 | 113 | 31 | 226 |
| $\mathbf{> 2 9 9 9}$ | 12840 | 11285 | 21157 | 10023 | 13186 | 12156 | 6859 | 6173 | 5062 | 2282 |
|  | $\mathbf{2 4 9 0 8}$ | $\mathbf{2 0 7 9 8}$ | $\mathbf{2 8 5 5 4}$ | $\mathbf{1 7 0 4 7}$ | $\mathbf{2 0 5 3 3}$ | $\mathbf{2 2 2 0 4}$ | $\mathbf{1 3 2 0 8}$ | $\mathbf{1 0 3 9 5}$ | $\mathbf{6 4 7 1}$ | $\mathbf{3 9 7 4}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<\mathbf{4 5}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | . | . | 15 | 1 |
| $\mathbf{4 5 - 4 9}$ | 226 | 115 | 610 | 155 | 98 | 272 | 85 | 143 | 312 | 63 |
| $\mathbf{5 0 - 5 4}$ | 510 | 860 | 746 | 637 | 533 | 1357 | 845 | 717 | 83 | 76 |
| $\mathbf{5 5 - 5 9}$ | 891 | 532 | 264 | 451 | 59 | 1014 | 97 | 142 | 234 | 97 |
| $\mathbf{6 0 - 6 4}$ | 1150 | 997 | 1497 | 1749 | 1114 | 1180 | 1012 | 524 | 113 | 313 |
| $\mathbf{6 5 - 6 9}$ | 7029 | 4711 | 2848 | 2886 | 3621 | 3885 | 3036 | 1657 | 556 | 661 |
| $\mathbf{7 0 - 7 9}$ | 2027 | 1727 | 602 | 609 | 1310 | 1662 | 449 | 441 | 73 | 289 |
| $\mathbf{8 0 - 8 9}$ | 235 | 561 | 806 | 497 | 609 | 641 | 341 | 597 | 1 | 91 |
| $\mathbf{> 8 9}$ | 12840 | 11295 | 21180 | 10064 | 13188 | 12192 | 7345 | 6173 | 5084 | 2384 |
|  | $\mathbf{2 4 9 0 8}$ | $\mathbf{2 0 7 9 8}$ | $\mathbf{2 8 5 5 4}$ | $\mathbf{1 7 0 4 7}$ | $\mathbf{2 0 5 3 3}$ | $\mathbf{2 2 2 0 4}$ | $\mathbf{1 3 2 0 8}$ | $\mathbf{1 0 3 9 5}$ | $\mathbf{6 4 7 1}$ | $\mathbf{3 9 7 4}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{< 1 0 0 0}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\mathbf{1 0 0 0 - 1 1 9 9}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 15 | $\cdot$ |
| $\mathbf{1 2 0 0 - 1 3 9 9}$ | 273 | 77 | $\cdot$ | 66 | $\cdot$ | 3 | $\cdot$ | 5 | 51 | $\cdot$ |
| $\mathbf{1 4 0 0 - 1 5 9 9}$ | 423 | 435 | 742 | 561 | 544 | 1624 | 682 | 897 | 451 | 158 |
| $\mathbf{1 6 0 0 - 1 7 9 9}$ | 328 | 1076 | 799 | 843 | 575 | 536 | 193 | 92 | 79 | 9 |
| $\mathbf{1 8 0 0 - 1 9 9 9}$ | 2368 | 1269 | 3351 | 3233 | 3676 | 4363 | 1512 | 1618 | 646 | 674 |
| $\mathbf{2 0 0 0 - 2 4 9 9}$ | 1962 | 1218 | 1286 | 1764 | 2423 | 3178 | 2915 | 1386 | 113 | 529 |
| $\mathbf{2 5 0 0 - 2 9 9 9}$ | 6172 | 4488 | 176 | 79 | 2 | 132 | 722 | 1 | 44 | 133 |
| $\mathbf{3 0 0 0 - 3 9 9 9}$ | 542 | 888 | 1036 | 439 | 75 | 182 | 288 | 223 | 9 | 78 |
| $\mathbf{3 3 9 9 9}$ | 12842 | 11345 | 21163 | 10062 | 13238 | 12187 | 6895 | 6173 | 5064 | 2392 |
|  | $\mathbf{2 4 9 0 8}$ | $\mathbf{2 0 7 9 8}$ | $\mathbf{2 8 5 5 4}$ | $\mathbf{1 7 0 4 7}$ | $\mathbf{2 0 5 3 3}$ | $\mathbf{2 2 2 0 4}$ | $\mathbf{1 3 2 0 8}$ | $\mathbf{1 0 3 9 5}$ | $\mathbf{6 4 7 1}$ | $\mathbf{3 9 7 4}$ |




Catch (mt) by grid square)


## Micromesistius australis-Southern Blue Whiting

Length- frequency distribution and length-weight relationship in trawler fleets in 2011



## Macruronus magellanicus-Hoki

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LO | $\cdot$ | $\cdot$ | $\cdot$ | . | 0 | . | . | . | . | . |
| TR | 26970 | 23815 | 25904 | 16721 | 19761 | 16669 | 15902 | 23403 | 19219 | 22864 |
|  | $\mathbf{2 6 9 7 0}$ | $\mathbf{2 3 8 1 5}$ | $\mathbf{2 5 9 0 4}$ | $\mathbf{1 6 7 2 1}$ | $\mathbf{1 9 7 6 1}$ | $\mathbf{1 6 6 6 9}$ | $\mathbf{1 5 9 0 2}$ | $\mathbf{2 3 4 0 3}$ | $\mathbf{1 9 2 2 7}$ | $\mathbf{2 2 8 6 4}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 589 | 969 | 506 | 269 | 660 | 1265 | 505 | 395 | 179 | 635 |
| February | 1970 | 5780 | 3517 | 2566 | 2520 | 2365 | 1128 | 2551 | 1834 | 1289 |
| March | 5268 | 1625 | 3821 | 954 | 1476 | 1376 | 865 | 4653 | 1893 | 1264 |
| April | 4404 | 3185 | 4868 | 1128 | 2070 | 2080 | 1342 | 3377 | 2772 | 5678 |
| May | 2031 | 1974 | 2496 | 894 | 2182 | 1591 | 1012 | 2278 | 1270 | 2611 |
| June | 1068 | 485 | 111 | 121 | 617 | 245 | 395 | 646 | 205 | 1143 |
| July | 3 | 154 | 55 | 304 | 256 | 513 | 593 | 1069 | 351 | 2775 |
| August | 2048 | 2026 | 2223 | 2378 | 2182 | 1720 | 1903 | 933 | 2374 | 2387 |
| September | 1481 | 2089 | 1452 | 1997 | 3201 | 1065 | 1716 | 2258 | 2127 | 974 |
| October | 3177 | 3203 | 4907 | 3403 | 1964 | 2447 | 4152 | 1446 | 856 | 356 |
| November | 3590 | 1985 | 925 | 1756 | 2077 | 1580 | 1560 | 2911 | 4125 | 1065 |
| December | 1341 | 341 | 1022 | 951 | 557 | 422 | 730 | 885 | 1239 | 2687 |
|  | $\mathbf{2 6 9 7 0}$ | $\mathbf{2 3 8 1 5}$ | $\mathbf{2 5 9 0 4}$ | $\mathbf{1 6 7 2 1}$ | $\mathbf{1 9 7 6 1}$ | $\mathbf{1 6 6 6 9}$ | $\mathbf{1 5 9 0 2}$ | $\mathbf{2 3 4 0 3}$ | $\mathbf{1 9 2 2 7}$ | $\mathbf{2 2 8 6 4}$ |

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

| Fishing fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | 1 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| CL | 2097 | 613 | 1533 |  | 247 | 343 | 114 | $\cdot$ | $\cdot$ | $\cdot$ |
| EE | $\cdot$ | $\cdot$ | 143 | $\cdot$ | 253 |  | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| ES | 12984 | 11357 | 11713 | 9014 | 12122 | 10350 | 9386 | 15176 | 13511 | 15754 |
| FK | 9804 | 9519 | 9689 | 5788 | 6091 | 5065 | 4129 | 5994 | 4033 | 3806 |
| JP | 1612 | 1596 | 1998 | 1203 | 743 | 141 | 1956 | 1267 | 917 | 2457 |
| KR | 420 | 642 | 512 | 693 | 171 | 600 | 249 | 792 | 667 | 594 |
| NA | $\cdot$ | $\cdot$ | 7 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| PA | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 4 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| UK | 52 | 88 | 308 | 23 | 135 | 166 | 69 | 174 | 98 | 253 |
|  | $\mathbf{2 6 9 7 0}$ | $\mathbf{2 3 8 1 5}$ | $\mathbf{2 5 9 0 4}$ | $\mathbf{1 6 7 2 1}$ | $\mathbf{1 9 7 6 1}$ | $\mathbf{1 6 6 6 9}$ | $\mathbf{1 5 9 0 2}$ | $\mathbf{2 3 4 0 3}$ | $\mathbf{1 9 2 2 7}$ | $\mathbf{2 2 8 6 4}$ |

## Macruronus magellanicus-Hoki

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<\mathbf{4 0 0}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\mathbf{4 0 0 - 5 9 9}$ | 17 | 53 | 24 | 27 | 32 | . | . | . | $\cdot$ | $\cdot$ |
| $\mathbf{6 0 0 - 7 9 9}$ | 3493 | 2018 | 1473 | 1136 | 1415 | 2426 | 1934 | 3528 | 2795 | 2714 |
| $\mathbf{8 0 0 - 9 9 9}$ | 902 | 2049 | 1684 | 1510 | 1261 | 1992 | 1672 | 4306 | 2933 | 3117 |
| $\mathbf{1 0 0 0 - 1 4 9 9}$ | 14144 | 12351 | 14515 | 10033 | 12316 | 8697 | 6046 | 9741 | 8034 | 8449 |
| $\mathbf{1 5 0 0 - 1 9 9 9}$ | 5169 | 4258 | 3547 | 2006 | 3264 | 2783 | 3911 | 4223 | 4310 | 5894 |
| $\mathbf{2 0 0 0 - 2 9 9 9}$ | 293 | 1757 | 1130 | 807 | 484 | 287 | 383 | 339 | 237 | 221 |
| $\mathbf{> 2 9 9 9}$ | 2952 | 1330 | 3532 | 1203 | 990 | 484 | 1956 | 1267 | 917 | 2469 |
|  | $\mathbf{2 6 9 7 0}$ | $\mathbf{2 3 8 1 5}$ | $\mathbf{2 5 9 0 4}$ | $\mathbf{1 6 7 2 1}$ | $\mathbf{1 9 7 6 1}$ | $\mathbf{1 6 6 6 9}$ | $\mathbf{1 5 9 0 2}$ | $\mathbf{2 3 4 0 3}$ | $\mathbf{1 9 2 2}$ | $\mathbf{2 2 8 6 4}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{4 5}$ | $\cdot$ | . | $\cdot$ | $\cdot$ | . | . | . | . | 155 | 217 |
| $\mathbf{4 5 - 4 9}$ | 961 | 1247 | 1813 | 1340 | 919 | 1585 | 1478 | 1968 | 2309 | 1732 |
| $\mathbf{5 0 - 5 4}$ | 4571 | 3553 | 3949 | 3527 | 3103 | 3734 | 2134 | 4546 | 1923 | 2213 |
| $\mathbf{5 5 - 5 9}$ | 4177 | 2892 | 1068 | 1284 | 1856 | 1227 | 994 | 3148 | 3485 | 3547 |
| $\mathbf{6 0 - 6 4}$ | 2812 | 4176 | 3997 | 2775 | 4563 | 2545 | 3128 | 4948 | 3585 | 5495 |
| $\mathbf{6 5 - 6 9}$ | 5230 | 4301 | 8095 | 5329 | 5664 | 4297 | 2989 | 3523 | 3276 | 4039 |
| $\mathbf{7 0 - 7 9}$ | 6066 | 5240 | 1718 | 577 | 1707 | 2515 | 2222 | 3136 | 3462 | 3063 |
| $\mathbf{8 0 - 8 9}$ | 176 | 933 | 1723 | 679 | 896 | 242 | 950 | 833 | 27 | 27 |
| $\mathbf{> 8 9}$ | 2976 | 1474 | 3542 | 1210 | 1053 | 526 | 2008 | 1301 | 1004 | 2532 |
|  | $\mathbf{2 6 9 7 0}$ | $\mathbf{2 3 8 1 5}$ | $\mathbf{2 5 9 0 4}$ | $\mathbf{1 6 7 2 1}$ | $\mathbf{1 9 7 6 1}$ | $\mathbf{1 6 6 6 9}$ | $\mathbf{1 5 9 0 2}$ | $\mathbf{2 3 4 0 3}$ | $\mathbf{1 9 2 2 7}$ | $\mathbf{2 2 8 6 4}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{< \mathbf { 1 0 0 0 }}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . |
| $\mathbf{1 0 0 0 - 1 1 9 9}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 155 | 54 |
| $\mathbf{1 2 0 0 - 1 3 9 9}$ | 1934 | 528 | $\cdot$ | 388 | 163 | 271 | 191 | 453 | 442 | 310 |
| $\mathbf{1 4 0 0 - 1 5 9 9}$ | 3150 | 2736 | 3545 | 2766 | 3340 | 3654 | 2823 | 6722 | 3441 | 3264 |
| $\mathbf{1 6 0 0 - 1 7 9 9}$ | 630 | 2116 | 1459 | 1029 | 2400 | 1349 | 1310 | 1882 | 2997 | 2223 |
| $\mathbf{1 8 0 0 - 1 9 9 9}$ | 8737 | 7734 | 9935 | 7102 | 7569 | 4602 | 3791 | 4854 | 5385 | 6855 |
| $\mathbf{2 0 0 0 - 2 4 9 9}$ | 7354 | 5495 | 5583 | 2888 | 4504 | 5262 | 5132 | 6955 | 4982 | 6313 |
| $\mathbf{2 5 0 0 - 2 9 9 9}$ | 1844 | 2010 | 416 | 512 | 217 | 593 | 291 | 790 | 637 | 935 |
| $\mathbf{3 0 0 0 - 3 9 9 9}$ | 327 | 1598 | 1383 | 746 | 518 | 364 | 332 | 393 | 221 | 397 |
| $\mathbf{> 3 9 9 9}$ | 2993 | 1600 | 3584 | 1290 | 1050 | 574 | 2033 | 1353 | 965 | 2513 |
|  | $\mathbf{2 6 9 7 0}$ | $\mathbf{2 3 8 1 5}$ | $\mathbf{2 5 9 0 4}$ | $\mathbf{1 6 7 2 1}$ | $\mathbf{1 9 7 6 1}$ | $\mathbf{1 6 6 6 9}$ | $\mathbf{1 5 9 0 2}$ | $\mathbf{2 3 4 0 3}$ | $\mathbf{1 9 2 2 7}$ | $\mathbf{2 2 8 6 4}$ |




## Macruronus magellanicus-Hoki

Length- frequency distribution and length-weight relationship in trawler fleets in 2011



## Salilota australis - Red cod

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LO | $\cdot$ | $\cdot$ | $\cdot$ | . | 6 | . | . | . | $\cdot$ | $\cdot$ |
| TR | 2617 | 2285 | 2781 | 2467 | 3463 | 5195 | 4076 | 5119 | 3131 | 4206 |
|  | $\mathbf{2 6 1 7}$ | $\mathbf{2 2 8 5}$ | $\mathbf{2 7 8 1}$ | $\mathbf{2 4 6 7}$ | $\mathbf{3 4 6 9}$ | $\mathbf{5 1 9 5}$ | $\mathbf{4 0 7 6}$ | $\mathbf{5 1 1 9}$ | $\mathbf{3 1 2 9}$ | $\mathbf{4 2 0 6}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 33 | 57 | 80 | 4 | 73 | 82 | 110 | 148 | 29 | 100 |
| February | 165 | 248 | 362 | 202 | 222 | 290 | 189 | 328 | 193 | 236 |
| March | 539 | 95 | 188 | 62 | 215 | 423 | 506 | 530 | 387 | 157 |
| April | 446 | 264 | 350 | 114 | 558 | 502 | 350 | 480 | 649 | 438 |
| May | 250 | 254 | 271 | 149 | 290 | 504 | 426 | 603 | 215 | 750 |
| June | 40 | 58 | 13 | 36 | 59 | 77 | 59 | 159 | 69 | 213 |
| July | 0 | 3 | 94 | 97 | 196 | 338 | 101 | 214 | 75 | 308 |
| August | 171 | 235 | 258 | 492 | 571 | 905 | 421 | 669 | 361 | 604 |
| September | 263 | 343 | 436 | 676 | 623 | 1043 | 987 | 662 | 340 | 474 |
| October | 325 | 490 | 583 | 337 | 459 | 770 | 668 | 819 | 284 | 273 |
| November | 296 | 192 | 134 | 248 | 164 | 234 | 189 | 378 | 321 | 436 |
| December | 90 | 46 | 11 | 50 | 40 | 27 | 71 | 131 | 207 | 219 |
|  | $\mathbf{2 6 1 7}$ | $\mathbf{2 2 8 5}$ | $\mathbf{2 7 8 1}$ | $\mathbf{2 4 6 7}$ | $\mathbf{3 4 6 9}$ | $\mathbf{5 1 9 5}$ | $\mathbf{4 0 7 6}$ | $\mathbf{5 1 1 9}$ | $\mathbf{3 1 2 9}$ | $\mathbf{4 2 0 6}$ |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | . | . | . | . |  | . | . | . |  |  |
| EE | . | . | . | . | 84 | . | . | . | . | . |
| ES | 1624 | 1279 | 1582 | 1579 | 2246 | 3997 | 3140 | 3778 | 2267 | 2848 |
| FK | 950 | 958 | 1024 | 746 | 1047 | 1127 | 900 | 1308 | 801 | 1316 |
| JP | 0 | . | 3 | . | 0 | 1 | . | 0 | 0 | 0 |
| KR | 28 | 40 | 85 | 125 | 60 | 49 | 17 | 11 | 19 | 6 |
| NA | . | . | 7 | . | . | . | . | . | . | . |
| RU | . |  | . | . |  | . | . | . | . | . |
| UK | 15 | 9 | 63 | 17 | 31 | 22 | 20 | 23 | 41 | 36 |
| VC | . | . | . | . | . | . | . | . | . | . |
|  | 2617 | 2285 | 2781 | 2467 | 3469 | 5195 | 4076 | 5119 | 3129 | 4206 |

## Salilota australis - Red cod

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $400-599$ | 1 | 0 | 2 | 14 | 4 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $600-799$ | 404 | 203 | 179 | 67 | 209 | 648 | 467 | 598 | 327 | 484 |
| $800-999$ | 122 | 228 | 210 | 135 | 216 | 721 | 610 | 610 | 403 | 442 |
| $1000-1499$ | 1498 | 1262 | 1248 | 1468 | 1855 | 2191 | 1303 | 2034 | 1323 | 1888 |
| $1500-1999$ | 474 | 278 | 828 | 600 | 1066 | 1571 | 1535 | 1747 | 1012 | 1268 |
| $2000-2999$ | 117 | 315 | 311 | 184 | 118 | 52 | 161 | 131 | 64 | 124 |
| $>2999$ | $\cdot$ | . | 3 | 0 | 0 | 1 | . | 0 | 0 | 0 |
|  | $\mathbf{2 6 1 7}$ | $\mathbf{2 2 8 5}$ | $\mathbf{2 7 8 1}$ | $\mathbf{2 4 6 7}$ | $\mathbf{3 4 6 9}$ | $\mathbf{5 1 8 3}$ | $\mathbf{4 0 7 6}$ | $\mathbf{5 1 1 9}$ | $\mathbf{3 1 2 9}$ | $\mathbf{4 2 0 6}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | $\cdot$ | $\cdot$ | $\cdot$ | . | $\cdot$ | $\cdot$ | . | . | 17 | 78 |
| $45-49$ | 162 | 168 | 213 | 71 | 259 | 566 | 535 | 293 | 291 | 339 |
| $50-54$ | 439 | 358 | 362 | 379 | 519 | 892 | 539 | 653 | 220 | 351 |
| $55-59$ | 454 | 317 | 199 | 126 | 212 | 485 | 265 | 486 | 710 | 962 |
| $60-64$ | 309 | 339 | 347 | 442 | 410 | 829 | 623 | 1057 | 506 | 889 |
| $65-69$ | 292 | 280 | 1180 | 1158 | 1678 | 1787 | 1373 | 1776 | 1059 | 1178 |
| $70-79$ | 893 | 596 | 167 | 123 | 278 | 553 | 492 | 648 | 304 | 350 |
| $80-89$ | 50 | 218 | 303 | 159 | 102 | 63 | 215 | 153 | 4 | 4 |
| $>89$ | 19 | 9 | 9 | 9 | 10 | 9 | 34 | 53 | 19 | 55 |
|  | $\mathbf{2 6 1 7}$ | $\mathbf{2 2 8 5}$ | $\mathbf{2 7 8 1}$ | $\mathbf{2 4 6 7}$ | $\mathbf{3 4 6 9}$ | $\mathbf{5 1 8 3}$ | $\mathbf{4 0 7 6}$ | $\mathbf{5 1 1 9}$ | $\mathbf{3 1 2 9}$ | $\mathbf{4 2 0 6}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |  | . |
| $1000-1199$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | $\cdot$ | . | $\cdot$ | 17 | 22 |
| $1200-1399$ | 156 | 71 | $\cdot$ | 4 | 51 | 112 | 40 | 83 | 58 | 89 |
| $1400-1599$ | 333 | 337 | 401 | 257 | 551 | 1134 | 926 | 851 | 448 | 749 |
| $1600-1799$ | 105 | 171 | 129 | 115 | 219 | 539 | 367 | 529 | 451 | 419 |
| $1800-1999$ | 1149 | 871 | 1399 | 1307 | 1661 | 2127 | 1603 | 1827 | 1346 | 1709 |
| $2000-2499$ | 587 | 417 | 405 | 475 | 774 | 1148 | 939 | 1657 | 676 | 1011 |
| $2500-2999$ | 156 | 93 | 75 | 114 | 66 | 57 | 51 | 63 | 33 | 100 |
| $3000-3999$ | 85 | 305 | 347 | 152 | 116 | 46 | 105 | 88 | 82 | 101 |
| $>3999$ | 47 | 21 | 24 | 43 | 31 | 20 | 46 | 20 | 17 | 7 |
|  | $\mathbf{2 6 1 7}$ | $\mathbf{2 2 8 5}$ | $\mathbf{2 7 8 1}$ | $\mathbf{2 4 6 7}$ | $\mathbf{3 4 6 9}$ | $\mathbf{5 1 8 3}$ | $\mathbf{4 0 7 6}$ | $\mathbf{5 1 1 9}$ | $\mathbf{3 1 2 9}$ | $\mathbf{4 2 0 6}$ |


Catch (mt) by grid square)

Catch (mt) by grid square)

## Salilota australis - Red cod

Length- frequency distribution and length-weight relationship in trawler fleets in 2011



## Merluccius spp - Hakes

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LO |  |  |  | . | 5 | . | . | . | . | . |
| TR | 1678 | 1967 | 1927 | 2735 | 8433 | 11908 | 8805 | 13051 | 13606 | 9895 |
|  | $\mathbf{1 6 7 8}$ | $\mathbf{1 9 6 7}$ | $\mathbf{1 9 2 7}$ | $\mathbf{2 7 3 5}$ | $\mathbf{8 4 3 8}$ | $\mathbf{1 1 9 0 8}$ | $\mathbf{8 8 0 5}$ | $\mathbf{1 3 0 4 4}$ | $\mathbf{1 3 6 0 6}$ | $\mathbf{9 8 9 5}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 48 | 51 | 14 | 0 | 7 | 31 | 4 | 38 | 3 | 12 |
| February | 96 | 142 | 196 | 81 | 254 | 215 | 68 | 152 | 106 | 199 |
| March | 223 | 34 | 141 | 65 | 267 | 556 | 356 | 474 | 873 | 260 |
| April | 288 | 253 | 269 | 168 | 1098 | 1089 | 1115 | 2059 | 2492 | 2002 |
| May | 146 | 198 | 223 | 318 | 1002 | 3134 | 2078 | 2667 | 2584 | 1947 |
| June | 46 | 74 | 86 | 41 | 130 | 2321 | 1372 | 1044 | 773 | 726 |
| July | 6 | 31 | 144 | 163 | 415 | 1975 | 970 | 1238 | 1340 | 858 |
| August | 244 | 263 | 441 | 698 | 2051 | 1879 | 1160 | 1413 | 2245 | 1145 |
| September | 388 | 633 | 261 | 854 | 1906 | 462 | 766 | 2340 | 2145 | 1589 |
| October | 113 | 215 | 128 | 277 | 964 | 201 | 794 | 1484 | 853 | 930 |
| November | 43 | 64 | 23 | 67 | 329 | 42 | 113 | 131 | 168 | 204 |
| December | 39 | 7 | 1 | 2 | 16 | 2 | 10 | 5 | 23 | 22 |
|  | $\mathbf{1 6 7 8}$ | $\mathbf{1 9 6 7}$ | $\mathbf{1 9 2 7}$ | $\mathbf{2 7 3 5}$ | $\mathbf{8 4 3 8}$ | $\mathbf{1 1 9 0 8}$ | $\mathbf{8 8 0 5}$ | $\mathbf{1 3 0 4 4}$ | $\mathbf{1 3 6 0 6}$ | $\mathbf{9 8 9 5}$ |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | 0 | . | . | . | . | . | . | . | . | . |
| CL | 0 | . | 1 | . | . | . | . | . | . | . |
| EE | . | . | 6 | . | 66 | . | . | . | . |  |
| ES | 805 | 1021 | 810 | 1388 | 4837 | 7604 | 5327 | 8031 | 8459 | 5978 |
| FK | 655 | 731 | 798 | 1003 | 3038 | 4022 | 3021 | 4696 | 4565 | 3506 |
| JP | 75 | 28 | 8 | . | . |  | 0 | . | 0 | 1 |
| KR | 123 | 187 | 277 | 309 | 394 | 163 | 117 | 90 | 181 | 221 |
| NA | . | . | 0 | . | . | . | . | . | . |  |
| RU | . | . | . | . | . | . | . | . | . |  |
| UK | 20 | 1 | 26 | 35 | 103 | 120 | 341 | 228 | 401 | 190 |
| UY | . | 0 | . | . | . | . | . | . | . | . |
| VC | . | . | . | . | . | . | . | . | . | . |
|  | 1678 | 1967 | 1927 | 2735 | 8438 | 11908 | 8805 | 13044 | 13606 | 9895 |

## Merluccius spp - Hakes

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | $\cdot$ | 0 | 0 | . | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $400-599$ | 24 | 8 | 20 | 21 | 33 | $\cdot$ | $\cdot$ | $\cdot$ | . | . |
| $600-799$ | 140 | 186 | 140 | 362 | 852 | 1198 | 872 | 1211 | 1439 | 1132 |
| $800-999$ | 174 | 204 | 326 | 487 | 1511 | 988 | 929 | 1763 | 1167 | 872 |
| $1000-1499$ | 968 | 1199 | 1053 | 1564 | 4971 | 6831 | 4935 | 6730 | 7908 | 5871 |
| $1500-1999$ | 316 | 199 | 217 | 205 | 963 | 2346 | 1742 | 2842 | 2839 | 1904 |
| $2000-2999$ | 57 | 167 | 162 | 96 | 108 | 545 | 328 | 505 | 253 | 90 |
| $>2999$ | 0 | 5 | 9 | 0 | . | . | 0 | . | 0 | 25 |
|  | $\mathbf{1 6 7 8}$ | $\mathbf{1 9 6 7}$ | $\mathbf{1 9 2 7}$ | $\mathbf{2 7 3 5}$ | $\mathbf{8 4 3 8}$ | $\mathbf{1 1 9 0 8}$ | $\mathbf{8 8 0 5}$ | $\mathbf{1 3 0 5 1}$ | $\mathbf{1 3 6 0 6}$ | $\mathbf{9 8 9 5}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | $\cdot$ | 0 | $\cdot$ | $\cdot$ | . | . | . | . | 5 | 165 |
| $45-49$ | 147 | 133 | 244 | 503 | 1526 | 1339 | 1118 | 1840 | 1544 | 1165 |
| $50-54$ | 243 | 300 | 331 | 574 | 1379 | 2248 | 800 | 996 | 673 | 552 |
| $55-59$ | 227 | 385 | 126 | 227 | 1095 | 1354 | 1210 | 1463 | 3822 | 2996 |
| $60-64$ | 262 | 430 | 306 | 340 | 1122 | 1700 | 2301 | 3291 | 2574 | 2094 |
| $65-69$ | 386 | 323 | 670 | 960 | 2652 | 4128 | 2351 | 2818 | 2600 | 1638 |
| $70-79$ | 371 | 287 | 137 | 40 | 506 | 609 | 633 | 2373 | 2386 | 1248 |
| $80-89$ | 36 | 100 | 103 | 92 | 157 | 531 | 377 | 243 | 2 | 6 |
| $>89$ | 6 | 8 | 9 | 0 | 1 | 0 | 15 | 20 | 0 | 31 |
|  | $\mathbf{1 6 7 8}$ | $\mathbf{1 9 6 7}$ | $\mathbf{1 9 2 7}$ | $\mathbf{2 7 3 5}$ | $\mathbf{8 4 3 8}$ | $\mathbf{1 1 9 0 8}$ | $\mathbf{8 8 0 5}$ | $\mathbf{1 3 0 4 4}$ | $\mathbf{1 3 6 0 6}$ | $\mathbf{9 8 9 5}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | $\cdot$ | 0 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . |
| $1000-1199$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | 5 | 54 |
| $1200-1399$ | 57 | 30 | $\cdot$ | 102 | 236 | 56 | 202 | 173 | 326 | 128 |
| $1400-1599$ | 230 | 244 | 335 | 716 | 1704 | 2214 | 1109 | 1684 | 1302 | 1165 |
| $1600-1799$ | 34 | 91 | 102 | 95 | 813 | 1166 | 1696 | 2104 | 2773 | 1662 |
| $1800-1999$ | 561 | 826 | 634 | 817 | 3166 | 5246 | 3615 | 4528 | 5209 | 4055 |
| $2000-2499$ | 496 | 375 | 477 | 620 | 1946 | 2433 | 1403 | 3741 | 3163 | 2332 |
| $2500-2999$ | 216 | 205 | 183 | 255 | 361 | 130 | 126 | 101 | 170 | 196 |
| $3000-3999$ | 60 | 183 | 186 | 131 | 205 | 659 | 640 | 693 | 651 | 292 |
| $>3999$ | 23 | 14 | 10 | 0 | 6 | 5 | 16 | 21 | 5 | 11 |
|  | $\mathbf{1 6 7 8}$ | $\mathbf{1 9 6 7}$ | $\mathbf{1 9 2 7}$ | $\mathbf{2 7 3 5}$ | $\mathbf{8 4 3 8}$ | $\mathbf{1 1 9 0 8}$ | $\mathbf{8 8 0 5}$ | $\mathbf{1 3 0 4 4}$ | $\mathbf{1 3 6 0 6}$ | $\mathbf{9 8 9 5}$ |


Catch (mt) by grid square)


Catch (mt) by grid square)

## Merluccius spp - Hakes

Length- frequency distribution and length-weight relationship in M.hubbsi in trawler fleets in 2011



## Genypterus blacodes - Kingclip

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LO | $\cdot$ | $\cdot$ | . | . | 64 | . | . | . | . |  |
| TR | 1224 | 1274 | 1841 | 1936 | 2757 | 3592 | 2226 | 3389 | 3639 | 3942 |
|  | $\mathbf{1 2 2 4}$ | $\mathbf{1 2 7 5}$ | $\mathbf{1 8 4 1}$ | $\mathbf{1 9 3 6}$ | $\mathbf{2 8 2 1}$ | $\mathbf{3 5 9 2}$ | $\mathbf{2 2 2 6}$ | $\mathbf{3 3 8 9}$ | $\mathbf{3 6 3 9}$ | $\mathbf{3 9 4 2}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 8 | 21 | 54 | 3 | 57 | 84 | 80 | 70 | 15 | 163 |
| February | 57 | 110 | 192 | 149 | 213 | 327 | 107 | 138 | 110 | 296 |
| March | 282 | 29 | 114 | 56 | 173 | 370 | 231 | 209 | 300 | 216 |
| April | 234 | 143 | 289 | 84 | 322 | 460 | 222 | 320 | 580 | 487 |
| May | 85 | 102 | 172 | 73 | 221 | 330 | 234 | 437 | 416 | 727 |
| June | 20 | 28 | 19 | 29 | 35 | 60 | 54 | 179 | 202 | 141 |
| July | 1 | 16 | 95 | 58 | 77 | 204 | 107 | 258 | 89 | 226 |
| August | 58 | 141 | 263 | 291 | 405 | 711 | 326 | 481 | 366 | 420 |
| September | 45 | 271 | 144 | 350 | 530 | 498 | 437 | 428 | 446 | 466 |
| October | 225 | 224 | 354 | 523 | 494 | 356 | 240 | 547 | 377 | 310 |
| November | 169 | 154 | 132 | 255 | 253 | 166 | 142 | 195 | 445 | 324 |
| December | 40 | 36 | 12 | 65 | 41 | $\mathbf{2 5}$ | 48 | 126 | 294 | 166 |
|  | $\mathbf{1 2 2 4}$ | $\mathbf{1 2 7 5}$ | $\mathbf{1 8 4 1}$ | $\mathbf{1 9 3 6}$ | $\mathbf{2 8 2 1}$ | $\mathbf{3 5 9 2}$ | $\mathbf{2 2 2 6}$ | $\mathbf{3 3 8 9}$ | $\mathbf{3 6 3 9}$ | $\mathbf{3 9 4 2}$ |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | 0 | . | . | . | . | . | . | . |  | . |
| EE | . | . | 11 | . | 43 | . | . | . | . | . |
| ES | 857 | 818 | 1135 | 1184 | 1701 | 2735 | 1691 | 2618 | 2835 | 3009 |
| FK | 334 | 387 | 530 | 517 | 911 | 740 | 479 | 726 | 677 | 851 |
| JP | 4 | 0 | 4 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |
| KR | 27 | 67 | 140 | 219 | 135 | 84 | 31 | 33 | 101 | 47 |
| NA | . | . | 0 | . | . | . | . | . | . | . |
| UK | 1 | 3 | 20 | 15 | 31 | 31 | 26 | 11 | 26 | 35 |
|  | 1224 | 1275 | 1841 | 1936 | 2821 | 3592 | 2226 | 3389 | 3639 | 3942 |

## Genypterus blacodes - Kingclip

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<\mathbf{4 0 0}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\mathbf{4 0 0 - 5 9 9}$ | 3 | 1 | 5 | 34 | 13 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\mathbf{6 0 0 - 7 9 9}$ | 305 | 224 | 127 | 102 | 215 | 458 | 393 | 675 | 460 | 481 |
| $\mathbf{8 0 0 - 9 9 9}$ | 70 | 186 | 325 | 225 | 333 | 565 | 297 | 431 | 467 | 403 |
| $\mathbf{1 0 0 0 - 1 4 9 9}$ | 661 | 680 | 921 | 1099 | 1650 | 1834 | 986 | 1451 | 1664 | 2075 |
| $\mathbf{1 5 0 0 - 1 9 9 9}$ | 175 | 121 | 376 | 383 | 569 | 692 | 533 | 813 | 1034 | 972 |
| $\mathbf{2 0 0 0 - 2 9 9 9}$ | 8 | 63 | 82 | 92 | 42 | 41 | 18 | 18 | 15 | 11 |
| $>\mathbf{2 9 9 9}$ | 1 | 0 | 4 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |
|  | $\mathbf{1 2 2 4}$ | $\mathbf{1 2 7 5}$ | $\mathbf{1 8 4 1}$ | $\mathbf{1 9 3 6}$ | $\mathbf{2 8 2 1}$ | $\mathbf{3 5 9 2}$ | $\mathbf{2 2 2 6}$ | $\mathbf{3 3 8 9}$ | $\mathbf{3 6 3 9}$ | $\mathbf{3 9 4 2}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<\mathbf{4 5}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | 12 | 101 |
| $\mathbf{4 5 - 4 9}$ | 75 | 138 | 291 | 110 | 299 | 435 | 285 | 300 | 364 | 314 |
| $\mathbf{5 0 - 5 4}$ | 302 | 321 | 271 | 387 | 459 | 604 | 499 | 742 | 364 | 366 |
| $\mathbf{5 5 - 5 9}$ | 217 | 155 | 183 | 197 | 354 | 402 | 187 | 389 | 689 | 944 |
| $\mathbf{6 0 - 6 4}$ | 150 | 236 | 292 | 445 | 484 | 805 | 490 | 834 | 756 | 928 |
| $\mathbf{6 5 - 6 9}$ | 172 | 184 | 602 | 630 | 899 | 943 | 468 | 674 | 1069 | 924 |
| $\mathbf{7 0 - 7 9}$ | 304 | 207 | 109 | 80 | 255 | 354 | 223 | 404 | 385 | 364 |
| $\mathbf{8 0 - 8 9}$ | 4 | 29 | 88 | 85 | 70 | 41 | 73 | 44 |  | 0 |
| $>\mathbf{8 9}$ | 1 | 5 | 4 | 1 | 0 | 7 | 2 | 1 | 1 | 1 |
|  | $\mathbf{1 2 2 4}$ | $\mathbf{1 2 7 5}$ | $\mathbf{1 8 4 1}$ | $\mathbf{1 9 3 6}$ | $\mathbf{2 8 2 1}$ | $\mathbf{3 5 9 2}$ | $\mathbf{2 2 2 6}$ | $\mathbf{3 3 8 9}$ | $\mathbf{3 6 3 9}$ | $\mathbf{3 9 4 2}$ |

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

| $\mathbf{B H P}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<\mathbf{1 0 0 0}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | $\cdot$ |
| $\mathbf{1 0 0 0 - 1 1 9 9}$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | . | 12 | 29 |
| $\mathbf{1 2 0 0 - 1 3 9 9}$ | 146 | 88 | $\cdot$ | 13 | 65 | 133 | 57 | 127 | 113 | 77 |
| $\mathbf{1 4 0 0 - 1 5 9 9}$ | 161 | 229 | 377 | 232 | 609 | 856 | 661 | 914 | 513 | 643 |
| $\mathbf{1 6 0 0 - 1 7 9 9}$ | 49 | 153 | 81 | 126 | 232 | 427 | 265 | 338 | 608 | 507 |
| $\mathbf{1 8 0 0 - 1 9 9 9}$ | 518 | 469 | 876 | 884 | 1041 | 1194 | 638 | 1036 | 1552 | 1638 |
| $\mathbf{2 0 0 0 - 2 4 9 9}$ | 236 | 185 | 296 | 394 | 677 | 825 | 532 | 911 | 726 | 930 |
| $\mathbf{2 5 0 0 - 2 9 9 9}$ | 103 | 82 | 104 | 179 | 125 | 88 | 32 | 32 | 73 | 73 |
| $\mathbf{3 0 0 0 - 3 9 9 9}$ | 7 | 62 | 101 | 105 | 72 | 51 | 41 | 28 | 41 | 45 |
| $>\mathbf{3 9 9 9}$ | 4 | 8 | 5 | 3 | 1 | 18 | 1 | 1 | 0 | 0 |
|  | $\mathbf{1 2 2 4}$ | $\mathbf{1 2 7 5}$ | $\mathbf{1 8 4 1}$ | $\mathbf{1 9 3 6}$ | $\mathbf{2 8 2 1}$ | $\mathbf{3 5 9 2}$ | $\mathbf{2 2 2 6}$ | $\mathbf{3 3 8 9}$ | $\mathbf{3 6 3 9}$ | $\mathbf{3 9 4 2}$ |


Catch (mt) by grid square)

Catch (mt) by grid square)

## Genypterus blacodes - Kingclip

Length- frequency distribution and length-weight relationship in trawler fleets in 2011



## Dissostichus eleginoides - Toothfish

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LO | 1440 | 1455 | 1725 | 1554 | 1244 | 1407 | 1368 | 1134 | 943 | 1221 |
| PO | $\cdot$ | $\cdot$ | . | . | 263 | 59 | . | . | 0 | . |
| TR | 352 | 253 | 276 | 123 | 65 | 53 | 61 | 285 | 460 | 338 |
|  | $\mathbf{1 7 9 3}$ | $\mathbf{1 7 0 7}$ | $\mathbf{2 0 0 2}$ | $\mathbf{1 6 7 7}$ | $\mathbf{1 5 7 2}$ | $\mathbf{1 5 1 9}$ | $\mathbf{1 4 2 9}$ | $\mathbf{1 4 1 9}$ | $\mathbf{1 4 0 3}$ | $\mathbf{1 5 5 9}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 100 | 143 | 167 | 147 | 331 | 123 | 248 | 123 | 129 | 131 |
| February | 58 | 196 | 188 | 144 | 174 | 116 | 181 | 163 | 141 | 138 |
| March | 116 | 103 | 167 | 116 | 247 | 103 | 159 | 210 | 207 | 85 |
| April | 108 | 49 | 113 | 64 | 146 | 50 | 193 | 84 | 169 | 182 |
| May | 103 | 61 | 150 | 119 | 65 | 106 | 93 | 116 | 167 | 161 |
| June | 87 | 90 | 97 | 99 | 98 | 61 | 51 | 98 | 62 | 82 |
| July | 192 | 162 | 157 | 116 | 150 | 56 | 113 | 91 | 136 | 180 |
| August | 303 | 194 | 269 | 214 | 95 | 137 | 116 | 129 | 100 | 216 |
| September | 262 | 157 | 142 | 186 | 124 | 167 | 52 | 184 | 105 | 165 |
| October | 183 | 277 | 218 | 219 | 54 | 124 | 10 | 80 | 23 | 55 |
| November | 144 | 160 | 223 | 116 | 79 | 209 | 102 | 26 | 52 | 30 |
| December | 136 | 115 | 110 | 138 | 8 | 266 | 111 | 115 | 112 | 136 |
|  | $\mathbf{1 7 9 3}$ | $\mathbf{1 7 0 7}$ | $\mathbf{2 0 0 2}$ | $\mathbf{1 6 7 7}$ | $\mathbf{1 5 7 2}$ | $\mathbf{1 5 1 9}$ | $\mathbf{1 4 2 9}$ | $\mathbf{1 4 1 9}$ | $\mathbf{1 4 0 3}$ | $\mathbf{1 5 5 9}$ |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | 0 | . | . | . | . | . | . | . | . | . |
| CL | . | . | . | . | . | 301 | . | . | . | . |
| EE | . | . | 0 | . | 0 | . | . | . | . | . |
| ES | 191 | 147 | 158 | 73 | 43 | 34 | 36 | 203 | 366 | 260 |
| FK | 1323 | 967 | 1641 | 1597 | 1264 | 1123 | 1391 | 1210 | 1028 | 1286 |
| JP | 2 | 0 | 0 | . | . | . | . | . | . | . |
| KR | 268 | 549 | 196 | 7 | 264 | 60 | 1 | . | 6 | 7 |
| NZ | . | 43 | . | . | . | . | . | . | . | . |
| RU | . | . | . | . | . | . | . | . | 0 | . |
| UK | 8 | 1 | 6 | 0 | 1 | 1 | 0 | 5 | 2 | 6 |
| VC | . | . | . | . | . | . | . | . | . | . |
|  | 1793 | 1707 | 2002 | 1677 | 1572 | 1519 | 1429 | 1419 | 1403 | 1559 |

## Dissostichus eleginoides - Toothfish

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | 243 | 184 | 182 | . | . | . | . | . | . | $\cdot$ |
| $400-599$ | 2 | 346 | 0 | 0 | 0 | . | . | . | . | . |
| $600-799$ | 35 | 36 | 22 | 4 | 268 | 67 | 10 | 33 | 45 | 31 |
| $800-999$ | 1112 | 746 | 1564 | 1556 | 1248 | 1108 | 1369 | 1166 | 982 | 1262 |
| $1000-1499$ | 328 | 347 | 161 | 73 | 31 | 322 | 20 | 106 | 234 | 84 |
| $1500-1999$ | 59 | 33 | 58 | 28 | 25 | 21 | 29 | 88 | 135 | 176 |
| $2000-2999$ | 13 | 15 | 15 | 16 | 1 | 0 | 1 | 25 | 6 | 6 |
| $>2999$ | . | . | 0 | . | . | . | . | . | . | . |
|  | $\mathbf{1 7 9 3}$ | $\mathbf{1 7 0 7}$ | $\mathbf{2 0 0 2}$ | $\mathbf{1 6 7 7}$ | $\mathbf{1 5 7 2}$ | $\mathbf{1 5 1 9}$ | $\mathbf{1 4 2 9}$ | $\mathbf{1 4 1 9}$ | $\mathbf{1 4 0 3}$ | $\mathbf{1 5 5 9}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | 136 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | . | 2 | 7 |
| $45-49$ | 33 | 407 | 16 | 1 | 148 | 61 | 1 | 10 | 34 | 21 |
| $50-54$ | 306 | 246 | 904 | 858 | 718 | 529 | 990 | 1169 | 975 | 1243 |
| $55-59$ | 1118 | 921 | 890 | 723 | 662 | 592 | 392 | 26 | 58 | 39 |
| $60-64$ | 54 | 63 | 64 | 21 | 12 | 312 | 4 | 27 | 50 | 82 |
| $65-69$ | 59 | 38 | 102 | 52 | 25 | 14 | 23 | 75 | 179 | 114 |
| $70-79$ | 82 | 25 | 11 | 8 | 5 | 9 | 15 | 89 | 105 | 53 |
| $80-89$ | 2 | 7 | 14 | 13 | 3 | 1 | 3 | 16 | . | $\cdot$ |
| $>89$ | 1 | 1 | 0 | 1 | . | 0 | . | 5 | 0 | $\cdot$ |
|  | $\mathbf{1 7 9 3}$ | $\mathbf{1 7 0 7}$ | $\mathbf{2 0 0 2}$ | $\mathbf{1 6 7 7}$ | $\mathbf{1 5 7 2}$ | $\mathbf{1 5 1 9}$ | $\mathbf{1 4 2 9}$ | $\mathbf{1 4 1 9}$ | $\mathbf{1 4 0 3}$ | $\mathbf{1 5 5 9}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 0 |  |
| $1000-1199$ | $\cdot$ | 43 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 2 | 5 |
| $1200-1399$ | 11 | 3 | $\cdot$ | 0 | 146 | 59 | $\cdot$ | . | 9 | 4 |
| $1400-1599$ | 1115 | 1269 | 1598 | 1572 | 1258 | 1119 | 1382 | 1191 | 1011 | 1272 |
| $1600-1799$ | 264 | 243 | 213 | 8 | 120 | 304 | 5 | 20 | 30 | 15 |
| $1800-1999$ | 129 | 84 | 123 | 56 | 31 | 14 | 23 | 68 | 205 | 122 |
| $2000-2499$ | 217 | 31 | 36 | 21 | 15 | 20 | 17 | 110 | 131 | 121 |
| $2500-2999$ | 34 | 16 | 10 | 4 | 1 | 1 | 1 | 5 | 6 | 8 |
| $3000-3999$ | 19 | 15 | 20 | 15 | 1 | 1 | 1 | 25 | 8 | 12 |
| $>3999$ | 3 | 2 | 1 | 1 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . |  |
|  | $\mathbf{1 7 9 3}$ | $\mathbf{1 7 0 7}$ | $\mathbf{2 0 0 2}$ | $\mathbf{1 6 7 7}$ | $\mathbf{1 5 7 2}$ | $\mathbf{1 5 1 9}$ | $\mathbf{1 4 2 9}$ | $\mathbf{1 4 1 9}$ | $\mathbf{1 4 0 3}$ | $\mathbf{1 5 5 9}$ |

## Dissostichus eleginoides - Toothfish

Table L. 7 Total catch (tonnes) of combination vessels by gross registered tonnage (GRT) and year

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | . | . | . | $\cdot$ |
| $600-799$ | $\cdot$ | . | . | . | $263^{*}$ | $59^{*}$ | . | . | $0^{*}$ | . |
|  | . | . | . | . | $\mathbf{2 6 3}$ | $\mathbf{5 9}$ | . | . | $\mathbf{0}$ | . |

*- potters

Table L. 8 Total catch (tonnes) of combination vessels by length overall (m) (LOA) and year

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $45-49$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $146^{*}$ | $59^{*}$ | $\cdot$ | $\cdot$ | . | $\cdot$ |
| $50-54$ | . | . | . | . | $117^{*}$ | . | . | . | $0^{*}$ | . |
|  | $\cdot$ | . | . | . | $\mathbf{2 6 3}$ | $\mathbf{5 9}$ | . | . | $\mathbf{0}$ | . |

*- potters

Table L. 9 Total catch (tonnes) of combination vessels by brake horsepower (BHP) and year

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $800-1000$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | $\cdot$ | $\cdot$ | $0^{*}$ | $\cdot$ |
| $1200-1499$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $146^{*}$ | $59^{*}$ | $\cdot$ | . | $\cdot$ | $\cdot$ |
| $1600-1799$ | $\cdot$ | . | . | . | $117^{*}$ | . | . | . | . | . |
|  | . | . | . | . | $\mathbf{2 6 3}$ | $\mathbf{5 9}$ | . | . | $\mathbf{0}$ | . |

*- potters
Table L. 10 Total catch (tonnes) of longliners by gross registered tonnage (GRT) and year

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | 243 | 184 | 182 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $400-599$ | $\cdot$ | 346 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $600-799$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . |  | . |  |  |  |
| $800-999$ | 1070 | 723 | 1543 | 1554 | 1244 | 1106 | 1368 | 1134 | 943 | 1221 |
| $1000-1499$ | 127 | 202 | $\cdot$ | $\cdot$ | $\cdot$ | 301 | $\cdot$ | . | . | . |
|  | $\mathbf{1 4 4 0}$ | $\mathbf{1 4 5 5}$ | $\mathbf{1 7 2 5}$ | $\mathbf{1 5 5 4}$ | $\mathbf{1 2 4 4}$ | $\mathbf{1 4 0 7}$ | $\mathbf{1 3 6 8}$ | $\mathbf{1 1 3 4}$ | $\mathbf{9 4 3}$ | $\mathbf{1 2 2 1}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | 136 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $45-49$ | $\cdot$ | 389 | $\cdot$ | $\cdot$ | $\cdot$ | . | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $50-54$ | 243 | 184 | 849 | 838 | 587 | 516 | 976 | 1134 | 943 | 1221 |
| $55-59$ | 1061 | 881 | 876 | 716 | 657 | 590 | 392 | $\cdot$ | $\cdot$ | $\cdot$ |
| $60-64$ |  |  |  |  |  | 301 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
|  | $\mathbf{1 4 4 0}$ | $\mathbf{1 4 5 5}$ | $\mathbf{1 7 2 5}$ | $\mathbf{1 5 5 4}$ | $\mathbf{1 2 4 4}$ | $\mathbf{1 4 0 7}$ | $\mathbf{1 3 6 8}$ | $\mathbf{1 1 3 4}$ | $\mathbf{9 4 3}$ | $\mathbf{1 2 2 1}$ |

## Dissostichus eleginoides - Toothfish

Table L. 12 Total catch (tonnes) of longliners by brake horsepower (BHP) and year

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $1000-1199$ | $\cdot$ | 43 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $1200-1399$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $1400-1599$ | 1061 | 1227 | 1543 | 1554 | 1244 | 1106 | 1368 | 1134 | 943 | 1221 |
| $1600-1799$ | 243 | 184 | 182 | $\cdot$ | $\cdot$ | 301 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $1800-1999$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $2000-2499$ | 136 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
|  | $\mathbf{1 4 4 0}$ | $\mathbf{1 4 5 5}$ | $\mathbf{1 7 2 5}$ | $\mathbf{1 5 5 4}$ | $\mathbf{1 2 4 4}$ | $\mathbf{1 4 0 7}$ | $\mathbf{1 3 6 8}$ | $\mathbf{1 1 3 4}$ | $\mathbf{9 4 3}$ | $\mathbf{1 2 2 1}$ |

Table L. 13 Total catch (tonnes) of trawlers by gross registered tonnage (GRT) and year

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | $\cdot$ | $\cdot$ | 0 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $400-599$ | 2 | 0 | 0 | 0 | 0 | $\cdot$ | $\cdot$ | . | . | $\cdot$ |
| $600-799$ | 35 | 36 | 22 | 4 | 5 | 8 | 10 | 33 | 45 | 31 |
| $800-999$ | 42 | 23 | 20 | 2 | 4 | 2 | 1 | 33 | 39 | 41 |
| $1000-1499$ | 200 | 146 | 161 | 73 | 31 | 21 | 20 | 106 | 234 | 84 |
| $1500-1999$ | 59 | 33 | 58 | 28 | 25 | 21 | 29 | 88 | 135 | 176 |
| $2000-2999$ | 15 | 15 | 15 | 16 | 1 | 0 | 1 | 25 | 6 | 6 |
| $>2999$ | $\cdot$ | $\cdot$ | 0 | . | . | . | $\cdot$ | $\cdot$ | . | $\cdot$ |
|  | $\mathbf{3 5 2}$ | $\mathbf{2 5 3}$ | $\mathbf{2 7 6}$ | $\mathbf{1 2 3}$ | $\mathbf{6 5}$ | $\mathbf{5 3}$ | $\mathbf{6 1}$ | $\mathbf{2 8 5}$ | $\mathbf{4 6 0}$ | $\mathbf{3 3 8}$ |

Table L. 14 Total catch (tonnes) of trawlers by length overall (m) (LOA) and year

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . | 2 | 7 |
| $45-49$ | 33 | 18 | 16 | 1 | 2 | 2 | 1 | 10 | 34 | 21 |
| $50-54$ | 63 | 62 | 55 | 20 | 14 | 13 | 14 | 35 | 32 | 22 |
| $55-59$ | 57 | 39 | 13 | 7 | 5 | 2 | 0 | 26 | 58 | 39 |
| $60-64$ | 54 | 62 | 64 | 21 | 12 | 12 | 4 | 27 | 50 | 82 |
| $65-69$ | 59 | 38 | 102 | 52 | 25 | 14 | 23 | 75 | 179 | 114 |
| $70-79$ | 82 | 25 | 11 | 8 | 5 | 9 | 15 | 89 | 105 | 53 |
| $80-89$ | 2 | 7 | 14 | 13 | 3 | 1 | 3 | 16 | $\cdot$ | $\cdot$ |
| $>89$ | 1 | 1 | . | 1 | $\cdot$ | 0 | . | 5 | 0 | . |
|  | $\mathbf{3 5 2}$ | $\mathbf{2 5 3}$ | $\mathbf{2 7 6}$ | $\mathbf{1 2 3}$ | $\mathbf{6 5}$ | $\mathbf{5 3}$ | $\mathbf{6 1}$ | $\mathbf{2 8 5}$ | $\mathbf{4 6 0}$ | $\mathbf{3 3 8}$ |

Table L. 15 Total catch (tonnes) of trawlers by brake horsepower (BHP) and year

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | . |
| $1000-1199$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 2 | 5 |
| $1200-1399$ | 11 | 3 | $\cdot$ | 0 | $\cdot$ | $\cdot$ | $\cdot$ | . | 9 | 4 |
| $1400-1599$ | 54 | 42 | 55 | 19 | 14 | 13 | 14 | 58 | 68 | 51 |
| $1600-1799$ | 21 | 58 | 31 | 8 | 3 | 3 | 5 | 20 | 30 | 15 |
| $1800-1999$ | 129 | 84 | 123 | 56 | 31 | 14 | 23 | 68 | 205 | 122 |
| $2000-2499$ | 81 | 31 | 36 | 21 | 15 | 20 | 17 | 110 | 131 | 121 |
| $2500-2999$ | 34 | 16 | 10 | 4 | 1 | 1 | 1 | 5 | 6 | 8 |
| $3000-3999$ | 19 | 15 | 20 | 15 | 1 | 1 | 1 | 25 | 8 | 12 |
| $>3999$ | 3 | 2 | 1 | 1 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . | $\cdot$ |
|  | $\mathbf{3 5 2}$ | $\mathbf{2 5 3}$ | $\mathbf{2 7 6}$ | $\mathbf{1 2 3}$ | $\mathbf{6 5}$ | $\mathbf{5 3}$ | $\mathbf{6 1}$ | $\mathbf{2 8 5}$ | $\mathbf{4 6 0}$ | $\mathbf{3 3 8}$ |




## Dissostichus eleginoides - Toothfish

Length- frequency distribution and length-weight relationship in longliner fleet in 2011


Dissostichus eleginoides - Toothfish
Length- frequency distribution and length-weight relationship in trawler fleets in 2011



## Rajidae - Skates and Rays

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LO | 96 | 152 | 168 | 75 | 150 | 42 | 28 | 22 | 23 | 55 |
| PO | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 0 | . | . | . | 0 | $\cdot$ |
| TR | 3268 | 3836 | 4983 | 5623 | 4529 | 5621 | 3825 | 5850 | 5868 | 6898 |
|  | $\mathbf{3 3 6 4}$ | $\mathbf{3 9 8 8}$ | $\mathbf{5 1 5 1}$ | $\mathbf{5 6 9 8}$ | $\mathbf{4 6 7 9}$ | $\mathbf{5 6 6 3}$ | $\mathbf{3 8 5 3}$ | $\mathbf{5 8 7 2}$ | $\mathbf{5 8 9 1}$ | $\mathbf{6 9 5 4}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 196 | 32 | 1257 | 92 | 86 | 108 | 120 | 96 | 43 | 185 |
| February | 49 | 404 | 159 | 423 | 160 | 173 | 200 | 179 | 167 | 359 |
| March | 202 | 139 | 95 | 83 | 80 | 179 | 142 | 178 | 168 | 126 |
| April | 170 | 77 | 113 | 56 | 134 | 176 | 187 | 304 | 333 | 590 |
| May | 115 | 195 | 148 | 165 | 122 | 190 | 189 | 555 | 474 | 878 |
| June | 175 | 223 | 142 | 21 | 32 | 124 | 95 | 662 | 338 | 398 |
| July | 22 | 459 | 93 | 566 | 133 | 394 | 516 | 570 | 323 | 849 |
| August | 552 | 1596 | 1589 | 2267 | 1665 | 1999 | 1229 | 1330 | 1650 | 1446 |
| September | 1248 | 592 | 1022 | 821 | 1019 | 1109 | 668 | 851 | 1146 | 975 |
| October | 431 | 161 | 352 | 490 | 881 | 722 | 220 | 407 | 326 | 691 |
| November | 168 | 81 | 59 | 590 | 305 | 141 | 119 | 511 | 418 | 317 |
| December | 35 | 29 | 120 | 125 | 62 | 350 | 167 | 229 | 505 | 141 |
|  | $\mathbf{3 3 6 4}$ | $\mathbf{3 9 8 8}$ | $\mathbf{5 1 5 1}$ | $\mathbf{5 6 9 8}$ | $\mathbf{4 6 7 9}$ | $\mathbf{5 6 6 3}$ | $\mathbf{3 8 5 3}$ | $\mathbf{5 8 7 2}$ | $\mathbf{5 8 9 1}$ | $\mathbf{6 9 5 4}$ |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | 10 | . | . | . | . | . | . | . |  |  |
| CL | . | . | . | . | . | 12 | . | . | . |  |
| EE | . | . | 4 | . | 11 | . | . | . | . |  |
| ES | 555 | 412 | 515 | 634 | 1160 | 1745 | 1518 | 2665 | 2514 | 2827 |
| FK | 474 | 320 | 653 | 612 | 770 | 675 | 419 | 902 | 912 | 1837 |
| JP | 0 | . | 1 |  | . | . | . | . |  |  |
| KR | 2304 | 3241 | 3937 | 4413 | 2720 | 3197 | 1891 | 2262 | 2394 | 2219 |
| NZ | . | 4 | . | . | . | . | . | . | . |  |
| RU | . | . | . | . | . | . | . | . | 0 | . |
| UK | 19 | 5 | 16 | 16 | 11 | 34 | 25 | 44 | 71 | 71 |
| UY | 2 | 5 | 24 | 23 | 6 | . | . | . |  |  |
| VC | . | . |  | . | . | . | . | . |  |  |
|  | 3364 | 3988 | 5151 | 5698 | 4679 | 5663 | 3853 | 5872 | 5891 | 6954 |

## Rajidae - Skates and Rays

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{4 0 0}$ | 31 | 34 | 43 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\mathbf{4 0 0 - 5 9 9}$ | 248 | 272 | 241 | 404 | 209 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\mathbf{6 0 0 - 7 9 9}$ | 707 | 1194 | 889 | 918 | 531 | 1230 | 957 | 1214 | 1133 | 615 |
| $\mathbf{8 0 0 - 9 9 9}$ | 1250 | 1571 | 2636 | 2568 | 1861 | 2014 | 1298 | 1747 | 1723 | 1870 |
| $\mathbf{1 0 0 0 - 1 4 9 9}$ | 805 | 636 | 904 | 1103 | 1713 | 1905 | 1299 | 2211 | 2220 | 2892 |
| $\mathbf{1 5 0 0 - 1 9 9 9}$ | 255 | 222 | 147 | 163 | 208 | 464 | 248 | 610 | 775 | 1033 |
| $\mathbf{2 0 0 0 - 2 9 9 9}$ | 68 | 58 | 288 | 542 | 156 | 51 | 51 | 91 | 40 | 119 |
| $\mathbf{> 2 9 9 9}$ | 0 | . | 1 | $\cdot$ | $\cdot$ | . | $\cdot$ | . | . | 424 |
|  | $\mathbf{3 3 6 4}$ | $\mathbf{3 9 8 8}$ | $\mathbf{5 1 5 1}$ | $\mathbf{5 6 9 8}$ | $\mathbf{4 6 7 9}$ | $\mathbf{5 6 6 3}$ | $\mathbf{3 8 5 3}$ | $\mathbf{5 8 7 2}$ | $\mathbf{5 8 9 1}$ | $\mathbf{6 9 5 4}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<\mathbf{4 5}$ | 15 | 1 | $\cdot$ | . | . | . | . | . | 18 | 54 |
| $\mathbf{4 5 - 4 9}$ | 427 | 905 | 636 | 661 | 529 | 1028 | 848 | 858 | 782 | 418 |
| $\mathbf{5 0 - 5 4}$ | 1792 | 2002 | 2938 | 3228 | 1951 | 2003 | 1208 | 1782 | 2010 | 2064 |
| $\mathbf{5 5 - 5 9}$ | 259 | 328 | 479 | 371 | 689 | 770 | 453 | 729 | 804 | 1248 |
| $\mathbf{6 0 - 6 4}$ | 343 | 350 | 316 | 410 | 670 | 760 | 647 | 988 | 691 | 944 |
| $\mathbf{6 5 - 6 9}$ | 176 | 127 | 420 | 448 | 558 | 800 | 346 | 580 | 824 | 801 |
| $\mathbf{7 0 - 7 9}$ | 323 | 255 | 288 | 472 | 241 | 258 | 293 | 845 | 762 | 999 |
| $\mathbf{8 0 - 8 9}$ | 26 | 20 | 71 | 108 | 40 | 43 | 57 | 88 | . | . |
| $>\mathbf{8 9}$ | 1 | . | 1 | . | 0 | 1 | 2 | 1 | 0 | 426 |
|  | $\mathbf{3 3 6 4}$ | $\mathbf{3 9 8 8}$ | $\mathbf{5 1 5 1}$ | $\mathbf{5 6 9 8}$ | $\mathbf{4 6 7 9}$ | $\mathbf{5 6 6 3}$ | $\mathbf{3 8 5 3}$ | $\mathbf{5 8 7 2}$ | $\mathbf{5 8 9 1}$ | $\mathbf{6 9 5 4}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{< 1 0 0 0}$ | 2 | 1 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 0 | . |
| $\mathbf{1 0 0 0 - 1 1 9 9}$ | $\cdot$ | 4 | $\cdot$ | . | . | . | . | . | 18 | 35 |
| $\mathbf{1 2 0 0 - 1 3 9 9}$ | 78 | 12 | $\cdot$ | 15 | 41 | 57 | 50 | 52 | 40 | 42 |
| $\mathbf{1 4 0 0 - 1 5 9 9}$ | 230 | 269 | 361 | 340 | 590 | 512 | 312 | 556 | 305 | 489 |
| $\mathbf{1 6 0 0 - 1 7 9 9}$ | 94 | 88 | 101 | 34 | 146 | 149 | 264 | 437 | 689 | 560 |
| $\mathbf{1 8 0 0 - 1 9 9 9}$ | 362 | 281 | 400 | 486 | 728 | 979 | 533 | 894 | 1215 | 1528 |
| $\mathbf{2 0 0 0 - 2 4 9 9}$ | 435 | 487 | 840 | 826 | 882 | 1037 | 914 | 1837 | 1451 | 2123 |
| $\mathbf{2 5 0 0 - 2 9 9 9}$ | 1934 | 2638 | 3143 | 3439 | 2126 | 2845 | 1706 | 1962 | 2062 | 1558 |
| $\mathbf{3 0 0 0 - 3 9 9 9}$ | 221 | 208 | 299 | 555 | 160 | 82 | 67 | 134 | 111 | 612 |
| $>\mathbf{3 9 9 9}$ | 6 | 0 | 7 | 3 | 6 | 1 | 6 | 1 | . | 7 |
|  | $\mathbf{3 3 6 4}$ | $\mathbf{3 9 8 8}$ | $\mathbf{5 1 5 1}$ | $\mathbf{5 6 9 8}$ | $\mathbf{4 6 7 9}$ | $\mathbf{5 6 6 3}$ | $\mathbf{3 8 5 3}$ | $\mathbf{5 8 7 2}$ | $\mathbf{5 8 9 1}$ | $\mathbf{6 9 5 4}$ |




## Rajidae - Skates and Rays

Length- frequency distribution and length-weight relationship in 2011 for Bathyraja griseocauda



## Zygochlamys patagonica - Scallop

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TR | 59 | 685 | 1279 | 1358 | 1161 | $14^{*}$ | $6^{*}$ | $13^{*}$ | $3^{*}$ | $11^{*}$ |
|  | $\mathbf{5 9}$ | $\mathbf{6 8 5}$ | $\mathbf{1 2 7 9}$ | $\mathbf{1 3 5 8}$ | $\mathbf{1 1 6 1}$ | $\mathbf{1 4 *}^{*}$ | $\mathbf{6}^{*}$ | $\mathbf{1 3}^{*}$ | $\mathbf{3}^{*}$ | $\mathbf{1 1 *}^{*}$ |

*     - No specialised fishery, just a discarded bycatch. Included into "others" in Tables O1-O7

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

| MONTH | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 59 | . | 441 | 420 | 342 | . | . | . | . | . |
| February | . | . | 250 | 207 | 273 | 0 | 0 | 1 | . | 3 |
| March | . | . | 519 | 574 | 450 | 8 | 3 | 9 | 1 | 7 |
| April | . | . | . | 75 | 18 | 4 | 1 | 2 | . | . |
| May | . | 29 | . | . | 74 | . | . | . | . | . |
| June | . | 12 | . | . | . | . | . | . | . | . |
| July | . | . | . | 0 | . | 0 | 1 | . | 2 | 1 |
| August | . | . | . | 0 | . | 1 | 0 | . | 0 | . |
| September | . | . | . | . | . | . | 0 | . | 0 | 0 |
| October | . | . | 41 | . | . | . | . | 0 | . | . |
| November | . | 440 | 28 | 81 | 5 | . | . | . | . | . |
| December | . | 204 |  | . | . | . | . | . |  |  |
|  | 59 | 685 | 1279 | 1358 | 1161 | 14 | 6 | 13 | 3 | 11 |

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

| Fishing fleet | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FK | $\cdot$ | $\cdot$ | $\cdot$ | 12 | 7 | 13 | 6 | 12 | 3 | 11 |
| PA | $\cdot$ | $\cdot$ | $\cdot$ | . | . | 1 | . | . | . | $\cdot$ |
| UK | $\cdot$ | $\cdot$ | . | 1 | 3 | 0 | . | 0 | 0 | $\cdot$ |
| UY | 59 | 685 | 1279 | 1346 | 1152 | . | . | . | . | . |
|  | $\mathbf{5 9}$ | $\mathbf{6 8 5}$ | $\mathbf{1 2 7 9}$ | $\mathbf{1 3 5 8}$ | $\mathbf{1 1 6 1}$ | $\mathbf{1 4}$ | $\mathbf{6}$ | $\mathbf{1 3}$ | $\mathbf{3}$ | $\mathbf{1 1}$ |

## Zygochlamys patagonica - Scallop

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

| GRT | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| <400 | 59 | 41 |  |  |  |  |  |  |  |  |
| 400-599 | . | 644 | 1279 | 1346 | 1152 | . | . | . | . | . |
| 600-799 | . | . | . | . | . | . | . | . | . | . |
| 800-999 | . | . | . | . | . | . |  | 2 | . | 0 |
| 1000-1499 | . |  |  |  |  | 1 |  | 3 |  | 2 |
| 1500-1999 | . |  |  | 1 | 3 | 0 |  | 0 | 0 | 6 |
| 2000-2999 | . |  |  | 11 | 7 | 13 | 6 | 8 | 3 | 3 |
| >2999 | . | . |  |  |  |  |  |  |  |  |
|  | 59 | 685 | 1279 | 1358 | 1161 | 14 | 6 | 13 | 3 | 11 |

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

| LOA | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| <45 | 59 | 41 | . | . | . | . | . | . | . |  |
| 45-49 | . | . | - | . | . | . | . | . | . | 1 |
| 50-54 | . | 644 | 1279 | 1346 | 1152 | . | . | 2 | . |  |
| 55-59 | . | . | . | 4 | . | . | . | . | . | 2 |
| 60-64 | . | . | . | 1 | 2 | . | - | . | . |  |
| 65-69 | . | . | . | 7 | 3 | 0 | . | 4 | 0 |  |
| 70-79 | . | . | . | 1 | 4 | 1 | 2 | 1 | 3 | 8 |
| 80-89 | . | . | . | . | 1 | 12 | 3 | 6 | . |  |
| $>89$ | . | . | . | . |  | 0 | 0 | . | . | 0 |
|  | 59 | 685 | 1279 | 1358 | 1661 | 14 | 6 | 13 | 3 | 11 |

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

| BHP | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| <1000 | 59 | 41 | . | . | . | . | . | . | . | . |
| 1000-1199 | . | . | . | . | . | . | . | . | . | . |
| 1200-1399 | . | . | . | . | . | . | . | . | . | . |
| 1400-1599 | . | . | . | . | . | . | . | . | . | . |
| 1600-1799 | . | . | . | . | . | . | . | . | . | . |
| 1800-1999 | . | . | . | . | . | . | . | 2 | . | 0 |
| 2000-2499 | . | 644 | 1279 | 1347 | 1152 | . | . | 3 | 0 | 8 |
| 2500-2999 | . | . | . | . | . | 1 | 0 | . | . | 1 |
| 3000-3999 | . | . | . | 12 | 9 | 13 | 6 | 8 | 3 | 2 |
| $\geq 3999$ | . | . | . | . | . | . |  |  | , | . |
|  | 59 | 685 | 1279 | 1358 | 1161 | 14 | 6 | 13 | 3 | 11 |

## Others

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

| VESSEL TYPE | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CO | $\cdot$ | . | . | . | $33^{*}$ | . | . | . | $1^{*}$ |  |
| LO | 217 | 225 | 183 | 163 | 152 | 116 | 110 | 90 | 87 | 123 |
| TR | 1025 | 1523 | 4897 | 10554 | 21830 | 31771 | 61928 | 59363 | 77052 | 57941 |
|  | $\mathbf{1 2 4 2}$ | $\mathbf{1 7 4 8}$ | $\mathbf{5 0 8 1}$ | $\mathbf{1 0 7 1 7}$ | $\mathbf{2 2 0 1 5}$ | $\mathbf{3 1 8 8 7}$ | $\mathbf{6 2 0 3 9}$ | $\mathbf{5 9 4 5 3}$ | $\mathbf{7 7 1 4 0}$ | $\mathbf{5 8 0 6 4}$ |

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

| MONTH | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 28 | 63 | 147 | 19 | 455 | 588 | 2991 | 2803 | 904 | 3548 |
| February | 73 | 155 | 770 | 838 | 3265 | 3340 | 7271 | 6750 | 5709 | 6064 |
| March | 158 | 61 | 508 | 476 | 2687 | 4024 | 10063 | 5140 | 10234 | 2542 |
| April | 203 | 82 | 716 | 373 | 3193 | 3862 | 8427 | 9589 | 13479 | 6270 |
| May | 47 | 73 | 495 | 645 | 2080 | 4507 | 8558 | 11083 | 11593 | 11473 |
| June | 19 | 21 | 59 | 146 | 631 | 558 | 2320 | 3154 | 5287 | 5468 |
| July | 28 | 44 | 273 | 217 | 814 | 2495 | 2173 | 2810 | 4468 | 3142 |
| August | 178 | 81 | 657 | 1252 | 2306 | 3517 | 4357 | 2840 | 4205 | 3817 |
| September | 183 | 239 | 622 | 2920 | 1905 | 3834 | 4861 | 3866 | 6124 | 4118 |
| October | 154 | 552 | 547 | 1001 | 2013 | 2775 | 5394 | 6667 | 8950 | 7654 |
| November | 78 | 296 | 264 | 2617 | 2433 | 1967 | 4573 | 3279 | 2164 | 2929 |
| December | 93 | 82 | 23 | 213 | 232 | 421 | 1051 | 1462 | 4022 | 1038 |
|  | $\mathbf{1 2 4 2}$ | $\mathbf{1 7 4 8}$ | $\mathbf{5 0 8 1}$ | $\mathbf{1 0 7 1 7}$ | $\mathbf{2 2 0 1 5}$ | $\mathbf{3 1 8 8 7}$ | $\mathbf{6 2 0 3 9}$ | $\mathbf{5 9 4 5 3}$ | $\mathbf{7 7 1 4 0}$ | $\mathbf{5 8 0 6 4}$ |

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

| Fishing fleet | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BZ | 0 |  | . | . | . |  |  | . |  |  |
| CL | . | 2 | . | . | . | 32 | . | . | . |  |
| EE | . | . | 29 | . | 306 | . |  | . | . |  |
| ES | 496 | 850 | 2079 | 5201 | 11885 | 19456 | 42411 | 43535 | 53187 | 41620 |
| FK | 624 | 686 | 2696 | 4984 | 9109 | 11360 | 18732 | 14846 | 22708 | 15409 |
| JP | 10 | 38 | 14 | 4 | 4 | 1 | 4 | 2 | 38 | 5 |
| KR | 112 | 135 | 113 | 78 | 127 | 93 | 65 | 123 | 344 | 236 |
| NA | . | . | 25 | . | . | . | . | . | . |  |
| NZ | . | 22 | . | . | . | . | . | . | . |  |
| PA | . | . | . | . | . | 175 | . | . | . |  |
| RU | . | . | . | . | . | . | . | . | 1 |  |
| UY |  |  |  | 0 | 11 | . | . | . |  | . |
| UK | . | 15 | 125 | 450 | 573 | 769 | 826 | 946 | 861 | 794 |
|  | 1242 | 1748 | 5081 | 10717 | 22015 | 31887 | 62039 | 59453 | 77140 | 58064 |

## Others

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

| GRT | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<400$ | 48 | 38 | 26 | 0 | $\cdot$ | 0 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $400-599$ | 2 | 54 | 5 | 18 | 18 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | . |
| $600-799$ | 81 | 125 | 98 | 127 | 776 | 2501 | 3947 | 3918 | 5503 | 3366 |
| $800-999$ | 296 | 199 | 498 | 648 | 1949 | 2687 | 6494 | 7403 | 6119 | 5125 |
| $1000-1499$ | 464 | 909 | 2960 | 5520 | 11762 | 16819 | 37377 | 36265 | 45490 | 32670 |
| $1500-1999$ | 170 | 232 | 789 | 2212 | 4464 | 6203 | 9293 | 8441 | 15195 | 15005 |
| $2000-2999$ | 172 | 174 | 684 | 2188 | 3043 | 3659 | 4923 | 3424 | 4795 | 1879 |
| $>2999$ | 10 | 17 | 14 | 4 | 4 | 18 | 4 | 2 | 38 | 20 |
|  | $\mathbf{1 2 4 2}$ | $\mathbf{1 7 4 8}$ | $\mathbf{5 0 8 1}$ | $\mathbf{1 0 7 1 7}$ | $\mathbf{2 2 0 1 5}$ | $\mathbf{3 1 8 8 7}$ | $\mathbf{6 2 0 3 9}$ | $\mathbf{5 9 4 5 3}$ | $\mathbf{7 7 1 4 0}$ | $\mathbf{5 8 0 6 4}$ |

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

| LOA | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<45$ | 61 | . | 0 | 0 | $\cdot$ | . | . | . | 406 | 1326 |
| $45-49$ | 92 | 147 | 337 | 404 | 1938 | 3175 | 6191 | 6189 | 6464 | 4156 |
| $50-54$ | 231 | 271 | 708 | 1457 | 3176 | 2977 | 4204 | 4928 | 4686 | 4158 |
| $55-59$ | 200 | 393 | 249 | 673 | 2215 | 2676 | 8541 | 7586 | 16739 | 10480 |
| $60-64$ | 126 | 237 | 1368 | 2677 | 4921 | 8208 | 16145 | 15978 | 16886 | 15718 |
| $65-69$ | 161 | 345 | 1595 | 3179 | 5220 | 8635 | 15055 | 13550 | 18279 | 12538 |
| $70-79$ | 319 | 263 | 442 | 941 | 2561 | 4516 | 9280 | 9633 | 13189 | 9051 |
| $80-89$ | 16 | 43 | 356 | 1328 | 1613 | 1403 | 2334 | 1441 | 129 | 464 |
| $>89$ | 37 | 49 | 27 | 58 | 371 | 296 | 290 | 148 | 361 | 173 |
|  | $\mathbf{1 2 4 2}$ | $\mathbf{1 7 4 8}$ | $\mathbf{5 0 8 1}$ | $\mathbf{1 0 7 1 7}$ | $\mathbf{2 2 0 1 5}$ | $\mathbf{3 1 8 8 7}$ | $\mathbf{6 2 0 3 9}$ | $\mathbf{5 9 4 5 3}$ | $\mathbf{7 7 1 4 0}$ | $\mathbf{5 8 0 6 4}$ |

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

| BHP | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $<1000$ | $\cdot$ | $\cdot$ | 0 | 0 | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 1 | . |
| $1000-1199$ | $\cdot$ | 22 | $\cdot$ | 0 | $\cdot$ | . | . | . | 406 | 830 |
| $1200-1399$ | 48 | 93 | $\cdot$ | 50 | 438 | 1619 | 1960 | 1278 | 1762 | 1118 |
| $1400-1599$ | 240 | 250 | 627 | 890 | 3282 | 2396 | 6470 | 8152 | 7600 | 6447 |
| $1600-1799$ | 98 | 158 | 638 | 1152 | 2974 | 5275 | 11356 | 9726 | 11563 | 6883 |
| $1800-1999$ | 262 | 621 | 1778 | 3881 | 7174 | 10735 | 20906 | 19873 | 30531 | 20446 |
| $2000-2499$ | 334 | 304 | 1096 | 1816 | 3970 | 6862 | 15191 | 15635 | 18984 | 18953 |
| $2500-2999$ | 75 | 92 | 110 | 108 | 440 | 520 | 349 | 262 | 585 | 578 |
| $3000-3999$ | 143 | 151 | 776 | 2367 | 2917 | 3904 | 5103 | 4094 | 5204 | 2070 |
| $>3999$ | 42 | 57 | 56 | 453 | 820 | 577 | 704 | 434 | 502 | 738 |
|  | $\mathbf{1 2 4 2}$ | $\mathbf{1 7 4 8}$ | $\mathbf{5 0 8 1}$ | $\mathbf{1 0 7 1 7}$ | $\mathbf{2 2 0 1 5}$ | $\mathbf{3 1 8 8 7}$ | $\mathbf{6 2 0 3 9}$ | $\mathbf{5 9 4 5 3}$ | $\mathbf{7 7 1 4 0}$ | $\mathbf{5 8 0 6 4}$ |

Table O. 7 Total catch (tonnes) of others by species in 2011

| Common name | Latin name | Catch |
| :--- | :--- | :---: |
| Blue Antimora | Antimora rostrata | 22 |
| Butterfish | Stromateus brasiliensis | 12 |
| Crabs | Lithodidae | 1 |
| Dogfish | Squalus acanthias | 50 |
| Eelpout | Iluocetes fimbriatus | 2 |
| Falkland Herring | Sprattus fuegensis | 4 |
| Frogmouth | Cottoperca gobio | 43 |
| Greater Hooked Squid | Moroteuthis ingens | 33 |
| Grenadier | Macrouridae | 2058 |
| Icefish | Chamsocephalus esox | 0 |
| Lobster Krill | Munida spp | 1 |
| Moonfish | Lampris immaculatus | 1 |
| Rock Cod | Patagonotothen spp | 55648 |
| Others |  | 71 |
| Porbeagle | Lamna nasus | 3 |
| Red Fish | Sebastes oculatus | 104 |
| Scallop | Zygochlamys patagonica | 11 |
| Total |  | 58064 |



Catch (mt) by grid square)


Catch (mt) by grid square)

Catch (mt) by grid square)

Catch (mt) by grid square)

## Patagonotothen ramsayi-Rock Cod

Length- frequency distribution and length-weight relationship in 2011


FALKLAND ISLANDS COMMERCLAL FISH \& SHELLFISH



[^0]:    *     - Cambodia is coded as CB for these statistics and Taiwan as TW.

[^1]:    * 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 .

[^2]:    *     - A + Y since 2008; ** - F+R since 2008; *** - W + Z since 2008;

[^3]:    *     - Merluccius spp, ** - M.hubbsi, *** - M.australis

