FALKLAND ISLANDS GOVERNMENT FISHERIES DEPARTMENT



FISHERY STATISTICS

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FOREWORD

1. The Falkland Islands' Fishery - 2007

The Falkland fishery marked its 20^{th} anniversary with the highest catch since the year 2000. An excellent performance in both squid fisheries topped the total annual catch up to ~302 thousand tonnes. A major part of the total catch was taken in the *Illex* fishery (53.5%), followed by the *Loligo* fishery (13.9%). For the first time in the history of the Falkland fishery, the third position was taken by rockcod *Patagonotothen ramsayi* (9.9%), exceeding catches of other abundant finfish such as southern blue whiting (7.3%) and hoki (5.5%).

1.1. Illex argentinus – Illex squid

An increased variability in the environment in the Southwest Atlantic in conjunction with the presence of the large fishing fleet taking out adult squid and therefore contributing more to their mortality has caused enormous fluctuations (more than hundred times) in the abundance of *Illex* over the last 20 years of the Falk-land fishery, this was reflected in the record catch of 266,000 tonnes in the 'bumper' year 1999 to the miniscule catch of just 2,000 tonnes in the unfortunate year 2004. This example shows how risky the squid fishing business can be and also has implications for the Falkland's economy where a significant proportion of revenue is derived from selling *Illex* licenses to fishing companies.

The good *Illex* fishery in 2006 raised some hopes about the recovery of the *Illex* stocks when only 43 licensed jiggers caught an impressive 82 thousand tonnes of squid. More fishing companies were attracted by that potential perspective, and 58 jiggers received their licenses to fish in the Falkland Zones in 2007. This year *Illex* licence fees amounted to some £6.26 million. As such *Illex* is still the most important fishery in terms of licence fee value, although it is significantly less than in some previous years, for example, £16.4 million in 2001.

The fishing started on a positive note on the High Seas, where several trawlers reported catches between 20 and 40 tonnes of *Illex* in January. Squid were rather small and immature, indicating that they belonged to the South Patagonian Stock (SPS) that usually migrate to the Falkland waters later in the seaon.

However, oceanographic conditions in the Southwest Atlantic in January-February appeared to be unfavourable for the SPS squid. A strong negative anomaly of sea surface temperatures (1-1.5°C) was observed over the entire Patagonian Shelf, causing a delay in southbound squid migrations. As a result, squid stayed for

longer on the High Seas, providing stable catches of 20-25 tonnes per day both for trawlers and jiggers in January.

In February, the Falkland Current was intensified throughout the whole month, creating strong gradient zones with warm shelf waters on the High Seas, and bringing colder waters to the northern part of FICZ. On the High Seas, trawlers had stable catches of 20-25 tonnes per day in the first half of the month. In the second half of February, catches decreased down to 11-15 tonnes per day, and then increased again to 18-22 tonnes per day by the end of the month. According to the information of 10-11 reporting jiggers, their catches on the High Seas were at a maximum in the middle of February (15-22 tonnes per night), with quite poor catches for the rest of the period (4-6 tonnes per night). The squid were quite small (19-21 cm ML) and immature. The proportion of larger squid of the summer-spawning cohort was small (<10%).

In the Falklands, the *Illex* fishery started as usual on 15^{th} February with only 1-2 jiggers fishing. During the last week of February, the number of vessels increased up to 53 jiggers, all of them fishing in the northwest of FICZ in the area of a rather warm (11°C) inflow of shelf waters from the Argentinean EEZ. Catches were rather low (9-14 tonnes per night, with some vessels having ~50 tonnes per night), decreasing to 4-5 tonnes per night by the end of the month. Finfish trawlers reported a few hundred kg of *Illex* as by-catch in FICZ/ FOCZ.

A strong negative anomaly of sea surface temperatures (1-1.5°C) persisted in March, causing a further delay in squid southbound migrations to their feeding grounds situated in Falkland waters. The fishery on the High Seas showed that the abundance of the Southern Patagonian Stock (SPS) this year was high. Outside the Argentinean EEZ, the fishing was extremely good during the first three weeks of March with trawlers having regular catches of 20-30 tonnes per day. By the end of the month, catches decreased to 8-10 tonnes per day due to the southern migrations of squid. Dense aggregations of *Illex* on the High Seas attracted all Falklandlicensed jiggers to fish there in the first half of March, with only 1-2 vessels checking the north-western part of FOCZ on their way to transship in Berkeley Sound. This was how the first jigger finally discovered the presence of *Illex* within the FICZ/FOCZ having a catch of 70 tonnes per night on 13 March. It took about a week for the jigging fleet to move to Falkland's waters, where catches remained consistently high until the end of the month, averaging 40 tonnes per night for 30-35 working vessels. A large portion of licensed jiggers (~22 vessels) still preferred to fish on the High Seas where the catches may have been even higher than those in the Falklands. Several trawlers targeted *Illex* in Falkland waters, and had good catches of 20-30 tonnes per day throughout the month. However, the majority of the trawlers had *Illex* as a by-catch preferring to target more valuable finfish species. Two groups of squid were observed in March, smaller and immature squid of late South Patagonian Stock (LSPS, 23-26 cm ML) and larger and more mature squid of early South Patagonian Stock (ESPS, 26-31 cm ML). The proportion of ESPS increased to the end of the month, when these squid start to migrate from the Argentinean EEZ through the FICZ/FOCZ to the shelf edge for subsequent prespawning migration northwards which occured in April.

Oceanography in the Southwest Atlantic returned back to normal in April, with only a slight negative anomaly of sea surface temperatures (0.5° C) observed in the west of the FICZ. A relatively warm inflow of shelf waters (~9°C) was present throughout the month in the northern part of the FICZ/FOCZ and favoured concentration of *Illex* on its borders with colder waters of the Falkland Current (~7°C). Together with high abundance of the South Patagonian Stock (SPS) it resulted in the outstanding fishery for *Illex* in Falkland

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Zones. The whole fleet of Falkland-licensed jiggers fished in the warm inflow throughout the month, having stable catches of ~60 tonnes of squid per night. At any given time, only 43-45 vessels were actually fishing, with the rest either being transhipped or waiting for transhipment in Berkeley Sound. With catches like this, it usually took about a week to fill up a vessel. Maximum catches achieved 130 tonnes per night. Almost all squid belonged to ESPS, with mainly maturing females of 30-32 cm modal ML, and mature males of 27-29 cm modal ML. At the end of April, LSPS started to appear in catches of trawlers working in the west of the FICZ (33-34 cm ML). The abundance of *Illex* on the High Seas in April was also high, as indicated by catches of *Loligo*-licensed trawlers returning to Spain after the end of the first *Loligo* season in the second half of the month (40-60 tonnes per day).

In May, the warm inflow of shelf waters in the northwest part of the FICZ/FOCZ cooled down to 8°C on the surface. There were quite strong temperature gradients on its both sides, favouring concentration of *Illex*. In the first half of the month, jiggers worked mainly in the northern part of the FICZ/FOCZ, having stable catches of 50-60 tonnes per night. Later, squid of the late South Patagonian stock (LSPS) migrated from the Argentinean EEZ to the western part of FICZ, and a part of the fleet moved there and had good catches (40-50 tonnes per night). In the last week of the month the LSPS squid moved further north outside the Falkland Zones, and catches declined to 20-25 tonnes per night. A majority of jiggers followed squid to the High Seas, with only 6 vessels left in FICZ/FOCZ.

The warm inflow of shelf waters in the northwest part of the FICZ/FOCZ finally dissipated in June with SST being 7-7.5°C everywhere to the north of the Falkland Islands. After the significant drop in catches at the end of May, only 10 jiggers stayed inside the FOCZ on the 1st of June, having catches of 25 tonnes per night. Four more vessels left the Falkland Zones on the 2nd of June, but catches increased again up to 35-45 tonnes per night. As a result, 6 to 7 jiggers returned to the Falkland waters to fish for squid, and the whole fleet of 10-14 vessels had stable mean daily catches of 40-42 tonnes per night until the end of the fishing season. Only LSPS squid were caught in June, mainly maturing females of 32-35 cm modal length. Sex ratio was with the prevalence of females (87%).

The fishing season was closed as planned on 15th June. The total Falkland *Illex* catch for the year 2007 achieved 161.5 thousand tonnes, which was the highest annual catch since the year 2000. However, taking into account the squid abundance (in terms of catch per vessel day) the season 2007 was the best season on record. There was a certain ambiguity about the recent squid season. On the one hand, it was excellent that the *Illex* stocks recovered indeed after two dramatic years of low abundance in 2004 and 2005. On another hand, large quantities of frozen squid from this year's catch had flooded the market and caused some difficulties to fishing companies.

1.2. Loligo gahi – Patagonian squid

The second most important squid resource, the Patagonian longfin squid *Loligo gahi* is fished in the eastern and southern parts of the Falkland Shelf in the region called the '*Loligo* box'. Two main cohorts of *L*. *gahi* are usually exploited; the autumn-spawning cohort in February-April and spring-spawning cohort in July-September.

Similar to *Illex* distribution, the intensified and colder than usual Falkland Current impacted the distribution of *Loligo* before the start of the first season. Several shallow water trawls were made during the research

cruise onboard the Dorada before the first season. They revealed a significant abundance of *Loligo* in their inshore nursery grounds. The squid did not appear in their common feeding grounds by the time of the biomass survey onboard the commercial trawler *Argos Vigo* (between 9 and 23 February), causing a severe underestimation of their biomass. During the biomass survey, 65 hauls were made in selected localities with a total catch of about 100 tonnes of *Loligo*. The estimated biomass at the time of the survey was 2,684 tonnes and it was composed by 71% females. This biomass corresponded to 26% and 7% of the biomass estimated in February 2005 and February 2006 surveys, respectively.

After some controversy about the timing of the start of the fishing season, it was decided to start it as usual on 25th February with all 16 licensed trawlers. After the first two days of unsuccessful fishery (average 4-5 tonnes per day), catches increased and stabilized at 14-15 tonnes per day until the end of the month. The main effort was concentrated in a small area to the south of Sea Lion Islands at 80-90 m depths. The squid were all immature, about 1 cm larger than in 2006 (mean ML of 11 cm), belonging to the autumn-spawning cohort.

In March, colder than usual waters of the Falkland Current occupied the fishing grounds of *Loligo*. That forced squid to stay longer in shallow waters. However, frequent strong northern and north-westerly winds pushed squid out to the fishing grounds. For the most of March, the fleet worked around Beauchene Island, first in shallow waters to the north-east (80-100 m), and then to the east at 130-140 m depths. Catches were quite stable throughout the month with the mean of 21 tonnes per day. Several peaks in CPUEs were observed indicating new pulses of squid migrating from shallow waters. They were more frequent in the second half of the month (17, 22 and 29 March). All squid caught belonged to the autumn-spawning cohort. Squid sizes were larger than usual by 1-1.5 cm as a result of their longer stay in relatively warmer shallow waters.

The almost complete disappearance of the cold anomaly of water temperatures around the Falklands in April improved the *Loligo* fishery as well. An abundant wave of relatively small squid (10-11 cm ML) migrated from shallow waters to the fishing grounds to the east of Beauchene Island at 140-150 m depth. Three peaks in catches (>35 tonnes per day) were observed in the last two weeks of the fishery (on 4, 10 and 14 April), with quite sharp declines in CPUEs after each peak (to 20-25 tonnes per day). The first season was closed as planned on 15th April. The whole biomass that arrived to the fishing grounds was estimated at 37,517 tonnes, and the spawning stock biomass was estimated to be 12,250 tonnes. The management objective of leaving 10,000 tonnes of SSB was met with a precautionary risk of 0.017.

The total catch for the whole first season equaled 17,388 tonnes, which was at an intermediate catch level for the last five years.

Another biomass survey was conducted before the second fishing season on board the F/V *Sil* between the 30th of June and 14th of July 2007. Fifty two trawls were conducted at selected localities with a total *Loligo* catch of 131 tonnes. Only daytime trawls (40 trawls) were used in biomass estimations because *Loligo* schools disperse in the water column at night. The estimated biomass at the time of the survey was 19,198 tonnes of the spring-spawning cohort squid. This biomass was 15% lower than the biomass estimated in July 2006 survey, but in terms of number of individuals it was 47% lower, because squid were about 2 cm larger than in the same period of 2006. Later in the fishing season it was recognized that the biomass estimated during the survey represented only the first wave of squid that had migrated to the *Loligo* box. Three more abundant waves of squid migrated to the fishing grounds during the second season, two waves to the Southern area and one wave to the Central-Northern area.

The second season fishery started on 15th July, with the bulk of vessels fishing in the southern area to the east of Beauchene Island (12 trawlers). The catches near Beauchene Island were variable (17-20 tonnes per day). In the next few days the fleet relocated to the Northern and Central areas, where the catches increased up to 30-40 tonnes per day. Unfortunately the catches were not stable, and during the last week of the month, the fleet returned to fish mainly in the Southern and Central areas, having 15-20 tonnes per day. Average size of squid in catches was 13-14 cm ML, which was about 1.5 cm larger than during the same period of the last year.

In the beginning of August, catches increased again up to 35 tonnes per day, and remained stable until the fourth week of the month. The fleet fished mainly in the southern part of the *Loligo* box to the west of Beauchene Island at depths of 210-240 m. The maximum peak in CPUEs was observed on the 19th August (mean of 51 tonnes per day) followed by a sharp decrease to 13-17 tonnes per day during the fourth week. At the end of the month, squid aggregations appeared again in the 'Seco' area, resulting in another although smaller peak in CPUE's (29-30 tonnes per day). The fleet spent relatively small effort in the Northern area in August, with catches up to 20 tonnes per day. Because of large concentrations of rock cod in that area, trawlers preferred to fish in the south where *Loligo* catches were much cleaner. All squid in catches belonged to the spring-spawning cohort with average size of squid was 14-15 cm ML.

During the first week of September, CPUEs gradually declined from 30 tonnes per day down to 10 tonnes per day. Projections of the stock biomass showed that it might fall down to the 10,000 tonnes limit if the fishery would carry on after 15th September, and it was decided to finish the second season two weeks early. The fishery was closed on 15th September. Total catch by the *Loligo* fleet during the second season was approximately 24,000 tonnes, being an intermediate catch for the last 10 years. The post-season stock assessment used a new integrated depletion model that had been developed to estimate simultaneously the biomass by wave of abundance and the catchability coefficients by vessel and area. It was estimated that the total *Loligo* biomass appeared in the fishing grounds during the second season was about 48,500 tonnes and the spawning stock biomass was estimated at 11,458 tonnes. The probability that CPUE would continue decreasing after the 15th of September was estimated at 0.84; the risk that spawning stock biomass was lower than 10,000 tonnes was estimated at 0.09. Therefore the management objective to leave the minimum SSB was met with a combined risk at 0.07.

Even with the delay in Loligo migrations in the first season and early closure of the second season, the total annual catch of *Loligo* in 2007 attained \sim 42,000 tonnes being at the intermediate level for the decade.

1.3. Martialia hyadesi – Martialia squid

No catch of Martialia squid was reported within the FICZ/FOCZ.

1.4. Micromesistius a. australis – Southern blue whiting

Southern blue whiting fishery is one of the most important finfish resources in the Falkland Islands, being caught in large quantities by specialised surimi vessels as well as by the finfish fleet.

In 2007, the total catch (22,154 tonnes) remained below the 25,000 tonnes threshold suggested for the Falkland fishery. While the owners of surimi vessels credited the lower catches to decreasing abundance of southern blue whiting, those could be also explained by decreased fishing effort. Usually, surimi trawlers caught southern blue whiting during two seasons, one in autumn (feeding aggregations) and another one in

spring (spawning aggregations). However, as in 2006 surimi trawlers did not operate in autumn, and southern blue whiting was caught only as a bycatch during finfish fishery. Pre-spawning concentrations of southern blue whiting appeared in the southwest of FICZ at the end of August. They were targeted by several finfish trawlers with CPUEs as high as 50-60 tonnes per day. In September, the fish aggregated at their spawning grounds. Both spawning and post-spawning aggregations were targeted by the finfish trawlers that resulted in an impressive monthly catch of ~ 8,000 tonnes. Sometimes half an hour' trawl produced enough catch (50-60 tonnes) to require processing it for the rest of the day. One surimi trawler finally appeared in the beginning of October, and started to fish in the southern area, having 200-250 tonnes per day. The catches dropped in the second week (to 130-150 tonnes per day), but then again increased peaking up to 387 tonnes per day by the end of the month. Surimi vessels continued targeting post spawning aggregations in November, but the catches were lower due to earlier migrations of fish outside the FICZ/FOCZ. In December, a surimi trawler fished only for the first five days, with maximum catches up to 150 tonnes per day, and then left the fishery.

In the absence of the joint UK-Argentine acoustic survey of southern blue whiting in the last few years, their stocks have been assessed by the VPA analysis using commercial catch data. It indicated that the stocks have been starting to recover from their downward trend observed between 2000 and 2003. However, the stock abundance was still far away from reaching the biomass similar to that observed in early 1990-s. Also, stock estimations based only on the fish caught in Falkland waters are quite arbitrary as an unknown part of the stock migrates outside the Falkland waters in summer-autumn, and also another unknown proportion of southern blue whiting remains in the Argentinean waters.

1.5. Macruronus magellanicus - hoki

Hoki is one of the most abundant pelagic fishes occurring in Falkland waters. The total biomass of hoki in Falkland waters has been difficult to estimate as only a part of the total stock migrates to the FICZ. In the Falklands, hoki is one the main finfish species targeted by the finfish trawl fleet. It is also occasionally caught in large amounts as by-catch by surimi vessels targeting southern blue whiting.

In 2007, a total of 16,653 tonnes of hoki were caught, which was the lowest annual hoki catch in the last decade. As in the previous two years, the relatively low catches seem to originate not from the low abundance of hoki but from lower fishing effort. In autumn and winter the trawlers, especially those with A- licenses, preferred to target abundant aggregations of hake and kingclip rather than hoki. Even vessels working under 'restricted finfish' licences had the odd haul consisting of 80% hake. Some of these vessels had difficulties to find fishing grounds where they could target hoki without going over their 10% allowance of hake by-catch. After hake emigration in September, the vessels returned to target hoki in October and November.

The highest monthly catches were in October (2,461 tonnes), with CPUEs of up to 2.5 tonnes per hour. Surimi vessels while targeting southern blue whiting had some large catches of hoki in November and December, including one particular haul in November of 198 tonnes with a record CPUE of 20 tonnes per hour.

1.6. Merluccius hubbsi, Merluccius australis - Hakes

Hake abundance in Falkland waters continued to be very high. As in 2006, large numbers of common hakes migrated from their spawning grounds in Argentinean waters in autumn, and stayed in the northwestern part of FICZ until September. Catches in May and June saw the record CPUEs of up to 3.5 tonnes per hour.

Once again vessels whose owners had not purchased an unrestricted finfish licence struggled to find good fishing areas to be able to fish for other finfish species while staying within the allowable bycatch limits (<10%). Hakes emigrated from their feeding grounds earlier than in 2006 (second half of September rather than end of October), causing a drastic drop in CPUEs. Nevertheless, the total annual catch hit a record again for the last 15 years, reaching 11,899 tonnes.

1.7. Genypterus blacodes – kingclip

Kingclip is one of the most valuable by-catch species on the Falklands Shelf. During their migrations individuals aggregate in dense schools to the north – western and western parts of FICZ. The cumulative catch for 2007 (3,582 tonnes) represents the highest catch on record since the beginning of the Falkland fishery in 1987. This year saw high catches in August and September, 709 and 494 tonnes respectively with the former also being a record for that particular month in the history of the fishery. The effort in the trawl fishery has remained relatively stable over the last 4 years but the catch and thus the CPUE have shown an upward trend indicating a greater abundance of kingclip in Falkland waters from 2003 onwards. The reasons of such an abundance increase are unclear but could be a result of changes in regional oceanography.

1.8. Salilota australis - red cod

The total catch of red cod increased again in 2007 yielding the highest catch in the last six years (5,184 tonnes). The highest catches tended to be from August to November when some vessels, depending on market demand, targeted pre-spawning, spawning and post spawning aggregations to the west and south west of the Falkland Islands. The other productive months for red cod were April and May with 502 and 504 tonnes being caught respectively. The trawler effort had been relatively stable since 2003 but there was an upward trend in catches suggesting that red cod abundance is on the increase. Further examination of the data suggested that a handful of vessels targeted red cod between September and October with one vessel in particular being most successful. CPUEs over 10 tonnes per day, during this period, rose from 8 in 2003 to 19, 10, and 35 for 2004, 2005, 2006 and 2007 respectively. This suggested that the vessels were targeting red cod in their spawning aggregations at greater rate because of increased market demands. Therefore the increased catch and CPUE in 2007 was not necessarily a reflection of an increased abundance.

1.9. Dissostichus eleginoides – Patagonian toothfish

TAC for 2007 was set at 1,500 tonnes as suggested by an Age Structured Production Model (ASPM) conducted by RRAG in 2006. The RRAG ASPM estimated that the spawning stock biomass varied between 18,000 to 18,500 tonnes with MSY estimates between 1,468 and 1,640 tonnes. A FIFD assessment using 3 surplus production models also concurred with the above estimates. The table below illustrates the results of the assessments:

| Model | R – Yield | Final stock/Virgin Stock | Coefficient of correla- |
|-------------------|-----------|--------------------------|-------------------------|
| | | | tion |
| Fox | 1,569 t | 76.3% | 0.450 |
| Schaefer | 1,566 t | 73.4% | 0.463 |
| Pella - Tomlinson | 1,293 t | 42.0% | 0.721 |

The longline fishery started reasonably with both the *CFL Gambler* and *CFL Valiant* fishing. The average daily catch between January and the end of March was 3.6 tonnes. However, technical problems on *CFL Valiant* forced her to go to Montevideo for repairs in April, where she stayed until the beginning of August. Another longliner, *Jung Woo 1* entered the fishery in the 22nd April to substitute the *CFL Valiant* and remained in the fishery until 13th May, having an average of 2.9 tonnes per day. This left only one vessel in the fishery until the *CFL Valiant* returned on the 8th of August. As a result, CFL were severely behind in their TAC and this was further compounded by the *CFL Gambler* leaving for dry dock on the 4th October which took over two months seeing her return on the 16th of December. To increase the catch and reach the TAC target, CFL chartered a Chilean longliner, the *Global Pesca 1* from the 23rd of October until the end of the year. All three vessels were in the fishery from the 16th of December and this resulted in the highest monthly toothfish catch for December in a decade (266 tonnes).

May saw the experimental introduction of the umbrella system of longlining by the CFL Gambler and by September this system was being used on an almost full time basis. This relatively new system eliminated the need for the 'mother line' used in the classic Spanish system. The umbrella or 'cachalotera' covers the toothfish as they are being hauled and anecdotal evidence suggests that this reduces depredation, leading to an increase in CPUE in the presence of whales. Additionally, the hook line has a 6 kg weight attached to its bottom that make it sinking faster behind the vessel, reducing incidental seabird mortality. Data analyses suggested that there was as much as a threefold increase in catch per 1000 hooks. Interestingly, when all three vessels were fishing together in December, the *Global Pesca 1* almost consistently had better catches and this was due to the fact that they had a faster hauling winch and could therefore haul more umbrellas. With the help of the *Global Pesca 1*, CFL only fell 34 tonnes short of their TAC.

1.10. Rajidae - Skates and rays

The most common species caught in the 2007 fishery were Bathyraja brachyurops, Dipturus chilensis, Bathyraja griseocauda, Bathyraja albomaculata and Psammobatis spp. However, figures for individual skate species were only available from January to April. Similar to 2006, no vessels operated under skate licence during the first half of the year and skates caught during this period were taken as bycatch by the finfish and longline fleets. Seven Korean-flagged vessels entered the fishery in the second half of the year and were joined for the first time by 3 Spanish-flagged vessels. A single Korean and Spanish vessel operated in July with relatively high CPUEs of 14 and 11 tonnes per day respectively, and then were joined by six more Korean and one more Spanish trawlers in August. Average CPUE for the Spanish vessels was lower (10 tonnes per day) in comparison with 15 tonnes per day for Korean vessels. Seven Korean vessels continued to target skates in September, maintaining a CPUE of 15 tonnes per day. In October, most of the Korean vessels withdrew from the fishery leaving only two vessels, however all three Spanish flagged vessels carried on fishing. The highest CPUE of 18 tonnes per day were reported by Korean vessels, and Spanish CPUE also increased to over 13 tonnes per day. One Spanish vessel withdrew for the season in November, the remaining two ceased fishing by December after reporting very low CPUE of less than 5 tonnes per day. Only one Korean vessel fished in November but was replaced in December by 3 other vessels with CPUEs of 14 tonnes per day for the final month of fishing for 2007.

After just one season of fishing by Spanish flagged vessels there are still relatively few coincident

points (spatially and temporally) where direct comparisons between vessels of different nations can be made. Superficially however, the Spanish boats seemed to be fishing somewhat below potential if GRT were an indication of fishing power. With the exception of *Pesmar Dos* (which had a CPUE comparable to Korean vessels - and was fishing within areas fished by the Korean trawlers), the Spanish vessels fished areas not generally targeted by Koreans. Another notable contrast was relatively high levels of bycatch reported by the Spanish vessels in comparison to Korean vessels. Total skate catch for 2007 under skate licence was 3,513 tonnes which was below the conservation target of 4000 tonnes. However a further 2,139 tonnes were taken under other licences resulting in the total skate catch for 2007 of 5,652 tonnes. This total annual catch was the second highest recorded; only slightly less than the 5,698 tonnes of skate taken in 2005.

1.11. Patagonotothen ramsayi – Rock cod

Rock cod was targeted by Spanish and taken also by Korean trawlers more or less evenly throughout the year, with some decrease in monthly catches during decreases in fishing activity (January, June and December). Catches of skate-targeting Korean trawlers were low, being of about several hundred kg per day, whereas catches of Spanish and Falkland vessels often exceeded 30 tonnes per day, maximum – 77 tonnes per day. Mean daily catch was 8.5 tonnes per day for Spanish trawlers and 5 tonnes per day for the Falkland registered vessels. Most of the catch was taken in the northwestern part of FICZ. Fish were targeted between 100 and 300 m, the best catches obtained between 150 and 200 m. Fish size in catches ranged from 15 to 37 cm in length (22-29 cm modal length). Annual catch of 30,635 tonnes was the largest ever recorded. A total of 19,098 tonnes (62.3%) of medium – sized and large fish were processed HGT and frozen to export to the Eastern Europe.

1.12. Macrourus spp., Coelorhynchus spp. - Grenadiers

Grenadiers were taken as a bycatch by longliners and trawlers throughout the year. Total longline bycatch was 67 tonnes, while the trawlers took 162 tonnes of fish. Most of the longliners' catch and 36% of trawlers' catch were processed. These data do not include the results of an exploratory survey.

The deep-sea exploratory survey was conducted onboard a Spanish trawler between 20 October and 30 November, that resulted in additional catch of 393 tonnes of grenadiers. The survey covered the area between 45°28' S and 53°37' S, with depth ranged from 401 to 1,404 m. Areas of the Falkland slope covered by abundant deep sea corals were left unexplored. The survey showed relatively low grenadier abundance on the high seas; a majority of fishes being small-sized subadults. Dense commercial aggregations of *Macrourus carinatus* (CPUEs >15 tonnes per day) were revealed on the southern Falkland slope, mostly between 700 and 900 m. Fish of the commercial size (>12 cm pre-anal length, PL) comprised 95.2% of the total catch by number. Mean fish size in catches was 19.6 cm PL, mean weight was 1,077 g. The stock biomass was estimated using the swept area method. Assuming catchability coefficient being equal 1, the minimum stock biomass of *M.carinatus* within the area studied was estimated as about 200,000 tonnes with a possible MSY of 8,000 tonnes per year.

1.13. Zygochlamys patagonica - Patagonian scallop

After the last year's grounding and capsize of the only scallop trawler, a small by-catch of scallops (14 tones) was reported for 2007.

1.14. Eleginops maclovinus - Falkland mullet

The small scale beach seine fish for the Falkland mullet continued through 2007 with a gap in winter. A total of 8.7 tonnes were caught in 8 creeks and inlets around East Falkland. The most popular sites visited in 2007 were, in order, Fish Creek (Port Louis), Teal Creek (Darwin Area) and Rincon Boundary. The total catch for 2007 was slightly lower than that of 2006.

1.15. Paralomis granulosa - false king crab

Only 352 kg of false king crab were caught in 2007 which was much reduced in comparison to the 6.1 tonnes caught in 2006.

1.16. Others

Butterfish (*Stromateus brasiliensis*), redfish (*Sebastes oculatus*), lobster krill (*Munida* spp.) and other various 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 2007

Research cruises were conducted on board the Fishery Patrol/Research Vessel *Dorada* registered in the Falkland Islands. The *Dorada* (ZDLH1) is a stern trawler of 76 m in length, 2360 GRT, having a crew of 16-20. Six to eight scientists participated in each cruise.

2.1. Fisheries research cruise ZDLH1-02-2007 (2 - 15 February 2007)

This research cruise was undertaken in the northern and north-eastern parts of the Falkland Islands shelf with the primary objectives to examine the species composition and distribution of skates, and to reveal the abundance of juvenile and young *Loligo gahi* in their shallow water spawning and nursery grounds.

The vessel departed Stanley in the evening of 2nd February, and proceeded to the southernmost transect (R5) of the 'ray' box. Three transects (R3-R5) in the eastern part of the box were made between 3rd and 5th February. After receiving a gale warning in the evening of 5th February, the vessel moved to shallow waters north of the Islands, where the following four days were spend trawling for *Psammobatis* skates and *Loligo*. Strong south-westerly winds did not allow the vessel to proceed to the western part of the ray box until 10th February, and the survey of the box was completed only on 13th February. The last day of the cruise was spent in shallow waters to the northeast of the East Falkland, fishing for shallow water skates and *Loligo*. The Dorada arrived to Stanley in the morning of 15th February. No days were lost due to bad weather.

During the cruise, a total of 36 bottom trawls were made with the total catch of 41 tonnes comprising over 100 species of marine animals. The greatest catches were the Patagonian rockcod (*Patagonotothen ramsayi*) and hoki (*Macruronus magellanicus*). A total of 15 skate species were caught, 1532 of them were tagged to investigate their migrations.

2.2. Fisheries research cruise ZDLH1-06-2007 (26 May - 12 June 2007)

The second research cruise was carried out in the northern parts of the FICZ/FOCZ with the objectives to ascertain where and when the squid *Illex argentinus* migrate off the Falkland's shelf at the start of their northerly spawning migration, and to gather oceanographic data on the shelf and shelf break in order to identify environmental features involved in this migratory behaviour. The cruise team consisted of 7 FIFD scientists and one scientist from Falklands Conservation. The FC scientist was on board to try and improve the efficiency of trawler tori lines.

The *Dorada* departed Stanley on the 26th May and proceeded to the deepest station on R4 (600 m). After finishing a CTD at R4-200 m, the vessel came back to Stanley to pick up a winchman, after which the remainder of the cruise was spent looking for *I. argentinus* from R3 to R1 and R7 between transects in order to locate dense aggregations. The survey was designed to be flexible in order to map out oceanographic features associated with any large aggregations. The vessel fished shallower stations on the shelf and upper slope (~150–350 m) during the day and deepwater stations at night (~600–700 m) as *I. argentinus* behaviour indicated that they were near the bottom at these times. No days were lost to bad weather; however, strong winds prevented a CTD and a trawl being conducted on 1st June. The cruise was completed successfully and the vessel returned to port on the 12th June.

Over the period of the cruise a total of 39 semi-pelagic trawls, 2 pelagic trawls and 46 oceanographic stations were conducted. A total of 10,732 kg was caught comprising over 110 species. In terms of weight, the greatest catches were *Illex* squid, hoki, grenadiers, jellyfish and *Loligo* squid.

The survey revealed an oceanographic "gateway" that enabled *I. argentinus* to migrate off the shelf into deeper water for their northerly spawning migration. Tests on the buoyancy of different maturity stages of *I. argentinus* helped to explain their depth segregation by maturity. This illustrated that *Illex* used different density waters at differing buoyancy properties (i.e. maturity stages) in order to conserve energy.

2.3. Fisheries research cruise ZDLH1-10-2007 (3 - 18 October 2007)

The third research cruise for 2007 was undertaken on the shelf to the south and west of the Falkland Islands. The main task of the cruise was to continue studies of the spawning grounds of red cod started in 2006 (cruise ZDLH1-10-2006). Additionally, migrations of skates were further investigated by tagging the most common species occurred in the Falkland Shelf.

The vessel departed in the evening of 3 September, and proceeded to the Beauchene Island, where the first bottom trawls were made next day. Several days were spent attempting to find spawning aggregations of red cod in the XUAH grid square (where they were in 2006), but it was not successful. Then the vessel moved to the western part of the survey, where dense concentrations of spawning and post-spawning red cod were finally found to the west of New Island and Jason Islands. Two last days of the cruise were spent again in XUAH, where finally small aggregations of post-spawning red cod were found. No days were lost because of bad weather. The *Dorada* arrived in Stanley on the morning of 18 October.

During the cruise a total of 48 bottom trawls and 58 oceanographic stations were conducted. This cruise yielded over 25 tonnes of over 110 species of fish and marine invertebrates. The most important species in terms of weight caught during this cruise where *Patagonotothen ramsayi* (Patagonian rockcod), *Salilota australis* (redcod) and *Genypterus blacodes* (kingclip). The results of the cruise significantly extended the spawning grounds of redcod from southern areas of Cape Meredith to the western areas of new Island and Jason Is-

lands. Spawning aggregations were found only on rocky bottoms. An experiment on survival rates of rockcod showed that significant numbers of these fish can survive after being caught and kept up to one hour in the fish bin with running water.

3. Fisheries Department research contracts in 2007

The Falkland Islands Government's financial year runs from 1 July to 30 June and most external research contracts in the Fisheries Department had these same start and end dates. Contracts completed by the end of June 2007 are presented below. This was the final year of the current five-year contract (2003-2007) with the Renewable Resources Assessment Group (RRAG, Imperial College, London, principal investigator Dr. David Agnew) to provide stock assessments, fisheries management and licensing advice for the main fisheries stocks around the Falkland Islands.

3.1 'Seasonal and interannual variations in oceanographic conditions on the eastern continental slope and shelf of the Falkland Islands (November 1999 – February 2007)'

This study was carried out by principal investigator Dr. P.P. Chernyshkov and Dr. A. Sirota 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 have been studied using the data collected by the PV Dorada in 2006-2007. Seasonal and interannual variability of water masses on the eastern shelf (transect P1) and southern shelf (transect P5) were described. Data from two surveys to the south and to the southwest of the Falkland Islands were used to monitor environmental conditions on the shelf.

3.2 'An individual-based model for the evaluation of spawning biomass and management tactics in the *Loligo gahi* stocks of the Falkland Islands'

This work was carried out by R. Roa-Ureta, Scientific Consultant, Departamento de Oceanografia, Universidad de Concepcion, Concepcion, Chile.

An individual-based model to project the evolution of the two cohorts of the squid Loligo gahi has been developed in Matlab. The model introduced the most updated biological and population ecology knowledge of the squid and of operation of the Falkland fishing fleet. The model was run with abundance estimates from 2005 for the Spring Spawning Cohort (SSC), fished in the winter season, and from 2006 for the Autumn Spawning Cohort (ASC), fished in the summer season. Two scenarios were defined, one in which the management target (MT) was set at the current level of 10,000 tonnes of spawning biomass, and another where the MT was raised to 15,000 tonnes. The model predicted that the spawning biomass of the SSC and the catches taken from it would increase in the mid term (few years) if the MT is raised and/or the winter season is shortened, whereas it also predicts that an increase in the MT for the ASC would not yield noticeable benefits. In the model it was assumed that management took two weeks to realize that the spawning biomass was under the MT and to stop the fishing activities. Under this condition the SSC fishery would often be terminated before the scheduled finish date under both MT levels.

4. Reductions in seabird mortality in the Falkland Islands

In 2004 the FIG adopted the National Plan of Action – Seabirds for Longliners (NPOA – S). The aim of the NPOA was to reduce bycatch rates to below 0.01 birds/1000 hooks by 2004/2005 and to further reduce the level of bycatch to the level of 0.002 birds/1000 hooks by 2006/2007. The NPOA longliner target for 2006/2007 was reached in 2005/2006. The mortality estimate for 2006/2007 was 0.0034 birds/1000 hooks which was above the target set for 2006/2007. However, it was agreed that the result was still sufficient to be considered a positive outcome (see ACAP Falkland Islands – Roles and Responsibilities: A review of activities undertaken during 2006/2007 and priorities for the future. 2008). The longline fishery has managed to keep the current mortality levels at a low level by employing the correct line weighting regimes, correctly designed and effective tori lines, and the use of 'Brickle Curtains' on the hauling hatch to reduce secondary hooking. This was also enhanced by the over all good house keeping practices on the longliners operating in the Falkland Islands' fishery. The NPOA-S for longliners ended in 2007 and the FIFD are currently drafting an update.

This year saw the introduction of the umbrella or cachaltera system of longlining. Anecdotal evidence suggests that the system is primarily designed to reduce whale depredation however trials in Chile have indicated that it also reduces seabird mortality due to the greater sink rates of the hook line. Trials to test these particular attributes will be conducted on a longliner in March 2008.

The trawl – NPOA was less prescriptive and the experimental work on bird scaring line through all fisheries has progressed. Falklands Conservation has employed a mitigation observer and he will be tasked to provide input into the redrafting of the NPOA – trawlers in 2008.

5. Logbooks

The electronic logbooks were used successfully for both *Loligo* seasons in 2007 with all vessels participating in completing and returning the daily logs. The data returned was used to monitor and assess the fishery for each season (detailed elsewhere in this report). Feedback from users was positive and several requests were made to move away from the paper version of the logs in favour of the electronic log returns. Following on the introduction of logbooks for the *Loligo* fishery, a similar system is currently in development for the longline fishery and is planned for trials later in 2008.

6. Participation in Scientific Workshops, Conferences and Symposia in 2007

6.1. 1st International Conference on Sclerochronology

The 1st International Conference on Sclerochronology was held in St. Petersburg, Florida, USA between 14 and 28 July 2007. It was organised by the University of Florida and its several partners, including the Florida Museum on Natural History. The Conference organisers were Drs. Bill Arnold and Doug Jones.

Participants from FIFD: A. Arkhipkin and P. Brickle. Two reports have been accepted as oral presentations for the conference. A. Arkhipkin presented a report 'Reality and illusion in interpretation of daily growth increments in cephalopod statoliths and fish otoliths' by A. Arkhipkin and Zh. Shcherbich, and P. Brickle presented the report 'Age and growth of the Patagonian scallop *Zygochlamys patagonica* (King and Broderip, 1832) using a new technique on the hinge ligament' by P. Brickle, M. Hattersley, Zh. Shcherbich and V. Bizikov.

6.2. Echoview Acoustic Data Analysis Training Workshop

An acoustic data analysis training workshop was held in San Francisco, USA, from 29th August to 3rd September, 2007. The course was presented by Dr Matthew Wilson and Dr Sue Woon (Sonardata Pty Ltd). The FIFD attendee was Wetjens Dimmlich. Course content consisted of data visualisation; echo integration and biomass calculation; target strength analysis; advanced virtual data analyses; fish tracking and 3D visualisation. The use of Echoview in relation to Falklands-specific issues was discussed as well in one-on-one sessions, including the extraction of bathymetric data from our archive of EK500 logfiles.

6.3. Stock Assessment and Management Workshop

Until 2007, only the *Loligo* stock assessment was made by FIFD and the stock assessment and management advice for the others resources were conducted by RRAG at the Imperial College. In order to transfer all stock assessments to FIFD, a workshop was held at the Imperial College between 10th and 14th September. The FIFD participants were Wetjens Dimmlich, Ignacio Paya, and Pia Schuchert. The RRAG scientists were David Agnew and Pia Orr. Data analysis and stock assessments were discussed for the following commercial species; Patagonian squid (*Loligo gahi*), Illex squid (*Illex argentinus*), Patagonian toothfish (*Dissostichus eleginoides*), hoki (*Macruronus magellanicus*), southern blue whiting (*Micromesistius australis*). Skates and Rays (Rajidae) and hakes (*Merluccius hubbsi* and *Merluccius australis*). The stock assessment methods included depletion models for squids, Age Structured Production Model (ASPM) for toothfish, VPA for southern blue whiting, hoki and hakes and swept area method for skates and rays. The statistical analysis included frequentist and Bayesian techniques. The stock assessment algorithms were programmed with Excel, VisualBasic, R, AD model builder, Matlab and CASAL. Estimations of total allowable effort (TAE) and allowable effort by vessel and total allowable catch (TAC) were also discussed.

6.4. The XII European Congress of Ichthyology

The XII European Congress of Ichthyology was held in Cavtat (Dubrovnik) Croatia between 9th and 13th September 2007. The venue was the Hotel Croatia. The congress was attended by 450 delegates from 58 countries. Participant from FIFD: V.Laptikhovsky. One report was presented for the Theme Session "Life history strategies and population ecology": 'Reproductive strategies in fish and cephalopods around the Falkland Islands'.

6.5. VII International Symposium on Fish Parasites

The conference took place in Viterbo, Italy between 24th and 28th September. P. Brickle attended and gave a presentation entitled "Parasite as indicators of population structure in the Patagonian rockcod *Patago-notothen ramsayi* (Regan, 1913)." He also co-chaired the session on "Parasites as biological tags of fish stocks and biology" for the conference.

6.6. ICES Annual Scientific Meeting - 2007

Annual Scientific Meetings are organised every year by the International Council for the Exploration of the Seas (ICES). In 2007, the meeting was held in Helsinki, Finland on 19-23 September. Participants from FIFD: A. Arkhipkin and I. Payá. Two reports were presented for the conference: 'Usage of the island water dynamics by spawning red cod, *Salilota australis* (Pisces: Moridae) on the Falkland Islands Shelf (Southwest Atlantic)' by A. Arkhipkin, P. Brickle, V. Laptikhovsky for Section G and 'Spatial management procedures for early closure of the *Loligo gahi* fishery off Falkland Islands based on a precautionary analysis using bootstrapping and Bayesian techniques' by I. Payá for Section O.

6.7. 17th Biennial Conference on the Biology of Marine Mammals and the workshop "Sperm Whales and Ecosystems: Past, Present and Future"

The Conference and Workshop were organised by the Society for Marine Mammalogy and was held in Cape Town, South Africa, between 29 November and 3 December 2007. It was the second largest attendances (about 2,000 participants) in the conference history. Participant from FIFD: A. Arkhipkin. Two presentations were made: 'Hypothesis: Sperm whales - how do they catch the giant squid?' and 'On the biology of long-finned pilot whales (*Globicephala melas edwardii*) from mass strandings in the Falkland Islands (Southwest Atlantic)'.

7. Publications from scientific work carried out in FIG Fisheries Department in 2007

7.1. Peer-reviewed publications (appeared in 2007)

- Arkhipkin, A. I. and Laptikhovsky, V.V. 2006. Allopatric speciation of the teuthid fauna on the shelf and slope of Northwest Africa. Acta Universitatis Carolina Geologica **49**: 15–19.
- Ashford, J. R., A. I. Arkhipkin, and C. M. Jones. 2007. Otolith chemistry reflects frontal systems in the Antarctic Circumpolar Current. Marine Ecology Progress Series **351**: 249–260.
- Brickle, P., and MacKenzie, K. 2007. Parasites as biological tags for the Falklands mullet (Teleostei: Eleginopidae). Journal of Helminthology 81: 147 – 153.
- Gonzales, M. J., Gallardo, J. M., Brickle, P. and Medina, I. 2007. Chemical and nutritional characteristics of *Patagonotothen ramsayi* (Pisces: Nototheniidae), a discard species from around the Patagonian Shelf. Journal of Food Chemistry 42: 1240 – 1248.
- Harte, M. and Barton, J. 2007. Balancing local ownership with foreign investment in a small island fishery. Ocean and Coastal Management **50**: 523-537.
- Harte, M. and Barton, J. 2007. Reforming management of commercial fisheries in a small island territory. Marine Policy 31: 371-378.
- Hoving H.J.T., and Laptikhovsky V. 2007. Getting under the skin: autonomous implantation of squid spermatophores. Biological Bulletin **212**: 177–179.
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- Mr. Ignacio Paya, sections 1.2 (stock assessment parts); 6.3
- Dr. Pia Schuchert, sections 1.4-1.6
- Dr. Vladimir Laptikhovsky, sections 1.11-1.12
- Mr. Wetjens Dimmlich, sections 1.10; 5

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 |
| РО | 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 | ТОР | Dissostichus eleginoides | Patagonian toothfish |
| WHI | GRM | Macruronus magellanicus | Hoki |
| ZYP | ZYP | Zygochlamys patagonica | Scallop |
| | 11 000 5 16 | 1 | |

* - *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 |
| РТ | 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 |

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

Introduction

| | Licence | Target species | Period of application | |
|---------------|---------|-------------------------------------|-----------------------|------------|
| First Season | | | | |
| | А | Unrestricted finfish | | 1989 - |
| | В | Illex squid | 1989 - 1992 | |
| | | Illex and Martialia squid | | 1993 - |
| | С | Patagonian squid (Loligo) | | 1989 - |
| | F | Skates and rays | | 1995 - |
| | G | Illex squid and restricted finfish* | | 1997 - |
| | W | Restricted finfish** | | 1994 - |
| Second Season | | | | |
| | R | Skate and rays | | 1994 - |
| | Х | All species | 1989 - 1990 | |
| | | Patagonian squid (Loligo) | | 1991 - |
| | Y | Unrestricted finfish | | 1989 - |
| | Z | Restricted finfish** | | 1989 - |
| All year*** | | | | |
| | E | Experimental fishery**** | | 1996- |
| | L | Toothfish (Longliners) | | mid 1999 - |
| | S | Blue Whiting and Hoki (Surimi) | | 1999 - |

| Table A.4 | Licence types, | target species a | and periods | of application | 1989 - 2007 |
|-----------|----------------|------------------|-------------|----------------|-------------|
|-----------|----------------|------------------|-------------|----------------|-------------|

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

** Restricted finfish - Main target species:

Micromesistius australis - Southern blue whiting - BLU Macruronus magellanicus - Hoki - WHI.

*** All year licences are split into two seperate half-year seasons (separate applications are needed).

**** 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.

| LICENCE | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---------|----------|----------|----------|---------|------|---------|---------|----------|
| A | 40 | 33 | 17 | 13 | 4 | 10 | 5 | 5 |
| В | 161 | 144 | 170 | 165 | 156 | 164 | 120 | 113 |
| С | 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 |
| 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 | 4 92 | 9 79 | 86 | 109 | 116 | 125 | 122 | 89 |
| Б С | 92 15 | 14 | 80 17 | 109 | 16 | 123 | 122 | 89 16 |
| E | 6 | 9 | 8 | 5 | 10 | 1 | 8 | 9 |
| E F | 0 | | | 3 4 | 1 | 9 | 8 4 | 9 7 |
| | 19 | 27 | 30 | | 19 | 9 19 | 4 24 | |
| G | | | | 16 2 | | | | 17 |
| L | 10 | • | • | 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 |
| Z | 36 | 27 | 34 | 27 | 18 | 19 | 22 | 22 |
| | 223 | 211 | 243 | 231 | 235 | 250 | 276 | 240 |
| LICENCE | 2005 | 2006 | 2007 | | | | | |
| A | 9 | 11 | 10 | | | | | |
| В | 70 | 43 | 57 | | | | | |
| C | 17 | 16 | 16 | | | | | |
| E | 11 | 8 | 6 | | | | | |
| F | 4 | | 1 | | | | | |
| G | 14 | 20 | 18 | | | | | |
| L | 4 | 6 | 6 | | | | | |
| R | 11 | 11 | 10 | | | | | |
| S | 2 | 2 | 2 | | | | | |
| W | 17 | 21 | 14 | | | | | |
| vv X | 17 | 21 16 | 14 | | | | | |

Table B.1 Licence allocations by licence type and year

X Y

Z

| Table B.2 | Licence allocations by fishing fleet and year |
|-----------|-----------------------------------------------|
| | |
| | |

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

| Fishing fleet | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|
| AU | | 3 | 3 | | | | | | | | |
| BZ | | | 2 | 5 | 2 | 2 | 3 | 1 | 1 | | |
| СВ | | | | 2 | 1 | 1 | 1 | 1 | | | |
| CL | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | | 1 | 2 |
| CN | | 2 | 4 | 9 | 20 | 25 | 22 | 7 | 3 | 2 | 5 |
| EE | | | | | | | | 1 | | 2 | |
| ES | 52 | 64 | 76 | 41 | 45 | 49 | 46 | 47 | 36 | 59 | 65 |
| FK | 32 | 43 | 49 | 47 | 55 | 49 | 80 | 71 | 76 | 69 | 61 |
| FR | 2 | 2 | 2 | 1 | | | | | | | |
| GH | | | | | | | | | | 1 | |
| IS | 3 | | | | | | | | | | |
| JP | 19 | 40 | 20 | 21 | 16 | 22 | 14 | 7 | 2 | 1 | 1 |
| KR | 98 | 48 | 71 | 84 | 67 | 71 | 64 | 61 | 43 | 42 | 42 |
| NA | 3 | 1 | 2 | | | | | 2 | | | |
| NO | 1 | | | | | | | | | | |
| NZ | | | | | | | 1 | | | | |
| PA | 1 | 1 | 2 | | | | | | 2 | 1 | 1 |
| РТ | | | | 1 | | | | | | | |
| RU | | | | | 1 | | 9 | | | | |
| SC | 3 | | | | | | | | | | |
| TW | 3 | 2 | 4 | 16 | 22 | 26 | 29 | 33 | 33 | 10 | 19 |
| UK | 3 | 3 | 5 | 3 | 3 | 3 | 4 | 5 | 5 | 4 | 4 |
| VC | | | | | 1 | | | | | | |
| UY | | | | | 1 | 1 | 2 | 2 | 2 | 2 | |
| VU | | • | • | | | | - | - | 2 | - | |
| | 223 | 211 | 243 | 231 | 235 | 250 | 276 | 240 | 205 | 194 | 200 |

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

Table B.3 Licence 'A' (Unrestricted finfish - first season) allocations by fishing fleet and year

| Fishing fleet | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|
| ES | 2 | 4 | 6 | 3 | 4 | 3 | 2 | 1 | 2 | 3 | 2 |
| FK | 2 | 5 | 4 | 7 | 2 | 3 | 4 | 7 | 7 | 8 | 8 |
| UK | | | 1 | | | | | | | | |
| | 4 | 9 | 11 | 10 | 6 | 6 | 6 | 8 | 9 | 11 | 10 |

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| BZ | | 1 | 2 | 1 | 1 | 3 | 1 | 1 | • | • |
| CB | | | 2 | 1 | 1 | 1 | 1 | | | |
| CL | | | | | | | | | | |
| CN | 2 | 4 | 9 | 20 | 25 | 22 | 7 | 3 | 2 | 5 |
| ES | | | | | | | | | | |
| FK | | | | | | | | 1 | | |
| GH | | | | | | | | | 1 | |
| JP | 34 | 15 | 17 | 14 | 19 | 12 | 5 | | | |
| KR | 40 | 63 | 63 | 58 | 53 | 46 | 42 | 28 | 29 | 33 |
| PA | 1 | | | | | | | 2 | 1 | |
| RU | | | | | | 9 | | | | |
| TW | 2 | 4 | 16 | 22 | 26 | 29 | 33 | 33 | 10 | 19 |
| VU | | | | | | | | 2 | | |
| | 79 | 87 | 109 | 116 | 125 | 122 | 89 | 70 | 43 | 57 |

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

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| AU | 1 | 1 | | | | | | | | |
| CL | | | | | | | | | | |
| ES | 2 | 4 | 2 | 2 | 2 | | | | | |
| FK | 9 | 10 | 13 | 12 | 14 | 15 | 14 | 16 | 15 | 14 |
| FR | 1 | 1 | 1 | | | | | | | |
| NA | | | | | | | 1 | | | |
| SC | | | | | | | | | | |
| PA | | | | | | | | | | 1 |
| UK | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| VC | | | - | 1 | | | | | | |
| | 14 | 17 | 17 | 16 | 17 | 16 | 16 | 17 | 16 | 16 |

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| AU | 1 | | | | | | | | | |
| ES | | | | | | 1 | | | 2 | 1 |
| FK | 7 | 6 | 2 | | | 5 | 6 | 8 | 4 | 5 |
| IS | | | | | | | | | | |
| KR | 2 | 2 | 3 | | | | | | | |
| UK | | | | | | | 1 | 1 | | |
| UY | | | | 1 | 1 | 2 | 2 | 2 | 2 | |
| | 10 | 8 | 5 | 1 | 1 | 8 | 9 | 11 | 8 | 6 |

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

Table B.7 Licence 'F' (Skates and rays - first season) allocations by fishing fleet and year

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|----------------------------------|---------|-------------|-----------|------------|-------------|-------------|--------------|------------|--------------|------|
| BZ | | | | | 1 | | • | | | |
| KR | | | 4 | 1 | 8 | 4 | 7 | 4 | | |
| ES | | | | | | | | | | 1 |
| | • | • | 4 | 1 | 9 | 4 | 7 | 4 | • | 1 |
| Table B.8 | Licence | e 'G' (Ille | x squid a | nd restric | ted finfisl | n) allocati | ons by fi | shing flee | t and year | |
| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| | | | | | | | | | | |
| EE | | • | | | | | 1 | | 1 | |
| | 21 | 22 | 12 | 13 | 14 | 15 | 1 11 | 7 | 1 13 | 16 |
| ES | 21 4 | 22 5 | 12 4 | 13 6 | 14 5 | 15 9 | 1 11 5 | 7 7 | 1 13 6 | |
| ES FK | | | | - | | | | ' | - | 16 |
| ES FK JP | 4 | 5 | | - | | | | ' | - | 16 |
| EE ES FK JP NA UK | 4 | 5 1 | | - | | | | ' | - | 16 |

| Table B.9 | Licence 'L' | (Toothfish Longliners) | allocations b | y fishing fleet and year | r |
|-----------|-------------|------------------------|---------------|--------------------------|---|
| | | | | | |

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| CL | | | | | | | | | • | 1 |
| FK | | | 2 | 6 | 4 | 3 | 4 | 4 | 4 | 4 |
| KR | | | 1 | | 2 | 4 | 1 | | 2 | 1 |
| NZ | | | | | | 1 | | | | |
| | • | • | 3 | 6 | 6 | 8 | 5 | 4 | 6 | 6 |

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| BZ | | 1 | | 1 | | | | | | |
| ES | | | | | | | | | | 3 |
| KR | 2 | 6 | 7 | 8 | 8 | 10 | 11 | 11 | 11 | 7 |
| PA | | 1 | | | | | | | | |
| | 2 | 8 | 7 | 9 | 8 | 10 | 11 | 11 | 11 | 10 |

| Table B.11 Licen | ice 'S' (Blue Whiting and H | oki - surimi vessels) allocatio | ns by fishing fleet and year |
|------------------|-----------------------------|---------------------------------|------------------------------|
| | | | |

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| CL | | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 1 |
| JP | | 1 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 1 |
| | • | 2 | 3 | 3 | 4 | 3 | 4 | 2 | 2 | 1 |

Table B.12 Licence 'W' (Restricted finfish - first season) allocations by fishing fleet and year

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| BZ | | | 1 | | | | | | | |
| CL | 1 | 1 | | | | | | | | |
| EE | | | | | | | | | 1 | |
| ES | 12 | 16 | 7 | 9 | 9 | 9 | 15 | 8 | 16 | 10 |
| FK | 2 | 3 | 1 | 4 | 2 | 13 | 9 | 8 | 3 | 3 |
| JP | 1 | 1 | 2 | | | | | | | |
| UK | | | | | | 1 | 1 | 1 | 1 | 1 |
| | 16 | 21 | 11 | 13 | 11 | 23 | 25 | 17 | 21 | 14 |

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| AU | 1 | 1 | | | | | | | | |
| ES | 3 | 2 | 2 | 2 | 3 | | | | | 1 |
| FK | 12 | 11 | 12 | 16 | 13 | 17 | 15 | 15 | 15 | 15 |
| FR | 1 | 1 | | | | | | | | |
| JP | 2 | 2 | | | | | | | | |
| NA | | | | | | | 1 | | | |
| UK | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Grand Total | 20 | 18 | 15 | 19 | 17 | 18 | 17 | 16 | 16 | 17 |

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| ES | 5 | 5 | 1 | 2 | 4 | 3 | 3 | 5 | 6 | 11 |
| FK | 2 | 2 | 2 | 4 | 3 | 8 | 6 | 7 | 10 | 7 |
| RU | | | | 1 | | | | | | |
| UK | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 4 | 8 | 8 | 12 | 10 | 12 | 16 | 18 |

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

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| AU | | 1 | | | | | | | | |
| BZ | | | 2 | | | | | | | |
| CL | 1 | 1 | | | | | | | | |
| ES | 17 | 21 | 14 | 13 | 14 | 16 | 17 | 14 | 19 | 19 |
| FK | 3 | 8 | 4 | 5 | 5 | 6 | 5 | 3 | 4 | 4 |
| JP | 1 | | | | | | | | | |
| KR | 4 | 1 | 6 | | | | | | | 1 |
| NA | 1 | 1 | | | | | | | | |
| PA | | 1 | | | | | | | | |
| РТ | | | 1 | | | | | | | |
| UK | | | | | | | | 1 | 1 | 1 |
| | 27 | 34 | 27 | 18 | 19 | 22 | 22 | 18 | 24 | 25 |

| LICENCE | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---------|------------|------------|------------|------------|------------|------------|------------|
| Α | 537,775 | 485,949 | 300,154 | 191,586 | 119,854 | 537,775 | 485,949 |
| В | 22,723,027 | 20,698,011 | 20,961,399 | 20,865,023 | 14,301,237 | 17,440,342 | 10,867,548 |
| С | 4,028,578 | 5,077,665 | 3,286,308 | 2,904,346 | 3,558,704 | 3,305,953 | 3,473,536 |
| Е | 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 |
| Χ | 377,917 | 613,764 | 572,085 | 959,803 | 1,466,992 | 2,046,655 | 2,173,149 |
| Y | 939,594 | 291,531 | 285,700 | 187,767 | 199,798 | 180,825 | 164,690 |
| Z | 391,332 | 774,666 | 841,843 | 1,222,974 | 1,207,635 | 1,335,812 | 1,920,068 |
| | 29,001,223 | 27,942,586 | 26,360,901 | 26,513,702 | 21,073,205 | 25,690,547 | 20,348,929 |

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

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

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

Catch summary tables

| VESSEL TYPE | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|
| СО | 59069 | 46211 | 27896 | 17669 | 1151 | 4807 | 3222 | 1569 |
| JI | 195476 | 94743 | 160754 | 149557 | 144189 | 62874 | 62717 | 73128 |
| LO | | | | 131 | 10 | 2855 | 1901 | 992 |
| TR | 172270 | 143561 | 115853 | 147601 | 106257 | 126262 | 177332 | 119303 |
| | 426814 | 284516 | 304503 | 314957 | 251605 | 196798 | 245172 | 194991 |
| VESSEL TYPE | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
| СО | 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 |
| | 230326 | 210874 | 377038 | 319107 | 265198 | 100979 | 209097 | 103098 |
| VESSEL TYPE | 2005 | 2006 | 2007 | | | | | |
| JI | 7776 | 68950 | 157624 | | | | | |
| РО | | 295 | | | | | | |
| LO | 1791 | 1620 | 1623 | | | | | |
| TR | 117537 | 142390 | 142704 | | | | | |

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

127104 213256

Catch summary tables

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

| SPECIES | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| | 426814 | 284516 | 304503 | 314957 | 251605 | 196798 | 245172 | 194991 |

| SPECIES | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| ТОО | 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 |
| | 230326 | 210874 | 377038 | 319107 | 265198 | 100979 | 209097 | 103098 |

| SPECIES | 2005 | 2006 | 2007 |
|---------|--------|--------|----------|
| BAC | 2467 | 3469 | 5183 |
| BLU | 17047 | 20533 | 22155 |
| ILL | 7937 | 85614 | 161493 |
| KIN | 1936 | 2821 | 3584 |
| LOL | 58811 | 43067 | 41979 |
| MAR | 0 | 0 | 0 |
| HAK | | 8414** | 11,899** |
| PAT | 2735* | 23*** | 0*** |
| RAY | 5698 | 4679 | 5653 |
| ТОО | 1677 | 1572 | 1519 |
| WHI | 16721 | 19761 | 16659 |
| GRX | | 797 | 622 |
| COX | | 20211 | 30157 |
| ZYP | 1358 | 1161 | 14 |
| ОТН | 10717 | 1133 | 1035 |
| | 127104 | 213256 | 301952 |

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

Catch summary tables

| Table C.3 | Total catch (| tonnes) b | y month and year |
|-----------|---------------|-----------|------------------|
|-----------|---------------|-----------|------------------|

| MONTH | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| | 426814 | 284516 | 304503 | 314957 | 251605 | 196798 | 245172 | 194991 |

| | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| January | 7918 | 7687 | 6605 | 5213 | 6497 | 3536 | 5881 | 2004 |
| 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 |
| | 230326 | 210874 | 377038 | 319107 | 265198 | 100979 | 209097 | 103098 |

| | 2005 | 2006 | 2007 |
|-----------|--------|--------|--------|
| | 2005 | 2006 | 2007 |
| January | 1712 | 2180 | 2371 |
| February | 7562 | 10861 | 11142 |
| March | 27436 | 47995 | 40209 |
| April | 10581 | 46967 | 86242 |
| May | 3870 | 28046 | 69292 |
| June | 712 | 1839 | 8647 |
| July | 11786 | 10173 | 12,333 |
| August | 22576 | 23408 | 26108 |
| September | 17104 | 15626 | 19994 |
| October | 11008 | 13522 | 14,004 |
| November | 9644 | 8846 | 9756 |
| December | 3113 | 3792 | 1854 |
| | 127104 | 213256 | 301952 |
Catch summary tables

| GRT | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <400 | 1727 | 2203 | 7796 | 7829 | 3588 | 571 | 2186 | 276 | 0 | 0 | 0 |
| 400-599 | 16175 | 5904 | 26789 | 11671 | 13309 | 1502 | 6412 | 1604 | 2143 | 3527 | 3143 |
| 600-799 | 97294 | 43028 | 163915 | 110505 | 78231 | 14107 | 50758 | 3709 | 6955 | 52598 | 85852 |
| 800-999 | 15853 | 23115 | 37524 | 51052 | 46705 | 7974 | 42387 | 9987 | 13419 | 34392 | 79376 |
| 1000- | | | | | | | | | | | |
| 1499 | 53422 | 59053 | 69138 | 59117 | 59440 | 34363 | 48736 | 31390 | 35548 | 54044 | 63124 |
| 1500- | | | | | | | | | | | |
| 1999 | 7180 | 14431 | 15926 | 19525 | 15015 | 13455 | 15608 | 14958 | 24797 | 29284 | 33365 |
| 2000- | | | | | | | | | | | |
| 2999 | 11607 | 30690 | 25317 | 35543 | 32726 | 13205 | 30373 | 16436 | 33009 | 25230 | 24429 |
| >2999 | 27067 | 32450 | 30633 | 23864 | 16185 | 15803 | 12637 | 24738 | 11233 | 14180 | 12663 |
| | 230326 | 210874 | 377038 | 319107 | 265198 | 100979 | 209097 | 103098 | 127104 | 213256 | 301952 |

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

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

| LOA | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <45 | 1579 | 1648 | 1803 | 865 | 2458 | 271 | 42 | 0 | 0 | 0 | 0 |
| 45-49 | 67856 | 29845 | 123498 | 76639 | 54447 | 8662 | 30524 | 5553 | 7824 | 24366 | 39386 |
| 50-54 | 45221 | 26581 | 71292 | 62017 | 42364 | 14062 | 36900 | 13790 | 18202 | 46204 | 66123 |
| 55-59 | 20103 | 13712 | 21017 | 29661 | 23807 | 8845 | 22691 | 4041 | 5826 | 22869 | 39913 |
| 60-64 | 16086 | 22027 | 44818 | 34635 | 41514 | 9615 | 31321 | 11646 | 16725 | 29214 | 41927 |
| 65-69 | 23579 | 32634 | 37289 | 32864 | 32676 | 18200 | 30024 | 19604 | 23806 | 34678 | 56038 |
| 70-79 | 22883 | 38559 | 33167 | 37047 | 32979 | 17773 | 28338 | 10501 | 20768 | 23791 | 28533 |
| 80-89 | 4037 | 8965 | 10100 | 17008 | 14026 | 5661 | 12649 | 11357 | 17923 | 14811 | 14022 |
| >89 | 28981 | 36903 | 34054 | 28370 | 20928 | 17890 | 16606 | 26606 | 16030 | 17323 | 16009 |
| | 230326 | 210874 | 377038 | 319107 | 265198 | 100979 | 209097 | 103098 | 127104 | 213256 | 301952 |

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

| BHP | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|--------|--------|--------|-----------------|--------|--------|---------|----------------|--------|--------|--------|
| <1000 | 210 | | 2964 | 1765 | 1320 | 183 | 42 | 0 | 0 | 0 | 0 |
| 1000- | | | | | | | | | | | |
| 1199 | 12327 | 3013 | 12634 | 7711 | 9643 | 917 | 6666 | 28 | 0 | 0 | 0 |
| 1200- | | | | | | | | | | | |
| 1399 | 43657 | 20483 | 68649 | 45064 | 32509 | 5516 | 17093 | 129 | 1796 | 15688 | 29909 |
| 1400- | | | | 60.4 0 0 | | 1000 - | | o 4 o - | | | |
| 1599 | 52221 | 27875 | 86241 | 60183 | 46741 | 10995 | 34576 | 8407 | 9782 | 40838 | 58694 |
| 1600- | 22007 | 26562 | 52105 | 26200 | 20040 | 4017 | 01171 | 5207 | 7206 | 0.4205 | 402.47 |
| 1799 | 22907 | 26562 | 53105 | 36388 | 28040 | 4815 | 21161 | 5297 | 7206 | 24325 | 40347 |
| 1800- 1999 | 33048 | 38781 | 52553 | 60145 | 55146 | 18246 | 40925 | 20248 | 22760 | 47600 | 68111 |
| 2000- | 55046 | 30/01 | 52555 | 00143 | 55140 | 16240 | 40923 | 20248 | 22700 | 47000 | 00111 |
| 2000-2499 | 18759 | 23363 | 35572 | 35493 | 29519 | 18188 | 31772 | 19557 | 26874 | 34833 | 52328 |
| 2500- | 10757 | 25505 | 55572 | 55475 | 2)51) | 10100 | 51772 | 1)557 | 20074 | 54055 | 52520 |
| 2999 | 5466 | 4082 | 6441 | 7449 | 9805 | 10652 | 10413 | 7303 | 9703 | 6063 | 11483 |
| 3000- | | | | , , | | | | | ,, | | |
| 3999 | 10739 | 25979 | 22061 | 31584 | 27147 | 11947 | 26292 | 14997 | 28618 | 22392 | 21207 |
| >3999 | 30992 | 40736 | 36817 | 33324 | 25328 | 19519 | 20158 | 27133 | 20366 | 21517 | 19872 |
| | 230326 | 210874 | 377038 | 319107 | 265198 | 100979 | 209097 | 103098 | 127104 | 213256 | 301952 |

Catch summary tables

| Fishing | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| fleet | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| AU | | | | | | | | |
| BG | 13503 | 22369 | 21888 | 8981 | 2976 | | | |
| BZ | | | | | | | 585 | |
| CB | | | | | | | | |
| CL | 1150 | 1884 | | 3145 | 1514 | 5223 | 9997 | 6638 |
| CN | | | | | | | | |
| 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 |
| РТ | 9143 | 6430 | 3268 | 1548 | 1809 | 2512 | 5157 | 1052 |
| RU | | | | | | 39 | | |
| SC | | | | | | | | |
| 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 |

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

Catch summary tables

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

| Fishing | | | | | | | | | |
|------------------|--------|--------|---------------|-----------------|------------|--------|--------|---------|--------|
| fleet | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| AU | | 3593 | 3711 | | | | | | |
| BZ | | • | 4511 | 6729 | 2581 | 136 | 2788 | 42 | 61 |
| CB | • | • | • | 2768 | 1204 | 33 | 857 | 17 | • |
| CL | 8199 | 8849 | 5491 | 2749 | 8014 | 9252 | 6490 | 9752 | • |
| CN | • | 1177 | 7301 | 11641 | 18838 | 1203 | 12652 | 99 | 99 |
| EE | • | | | | | | | 226 | |
| 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 | • | | • | • | • |
| IS | 268 | | | | | | | | |
| JP | 46060 | 56992 | 57971 | 41737 | 27913 | 14485 | 18923 | 15062 | 11230 |
| KR | 129546 | 45082 | 207795 | 128940 | 86587 | 12637 | 53677 | 6008 | 10074 |
| NA | 303 | 676 | 746 | • | • | • | • | 1181 | • |
| NO | 210 | • | • | • | • | • | | • | • |
| NZ | • | | | | • | • | 69 | • | |
| PA | • | 1098 | 61 | | • | • | • | • | 194 |
| PT | • | | | 66 | | • | | | |
| RU | | | | | 228 | • | 6891 | 31 | |
| SC | 1252 | | | | | | | | |
| TW | 3013 | 1734 | 8771 | 23243 | 25380 | 1190 | 22057 | 866 | 3106 |
| UK | 2302 | 3575 | 3259 | 5501 | 3564 | 2279 | 3238 | 2703 | 5100 |
| | | 26 | · | • | 01 | (1 | | | |
| UY VC | • | 36 | | | 81 1820 | 61 | 690 | 1303 | 1369 |
| VU VU | • | • | · | • | | • | • | • | 120 |
| | 230326 | 210874 | 377038 | 319107 | 265198 | 100979 | 209097 | 103098 | 127104 |
| E '.1.' | | | • • • • • • • | • • • • • • • • | 2001/0 | 100717 | _0/0// | 1000000 | |
| Fishing fleet | 2006 | 2007 | | | | | | | |
| BZ | 2000 | 2007 | | | | | | | |
| CL | 2131 | 3948 | | | | | | | |
| CL CN | 3555 | 8575 | | | | | | | |
| EE | 1247 | | | | | | | | |
| ES | 42024 | 56057 | | | | | | | |
| FK | 65229 | 65764 | | | | | | | |
| GH | 1244 | 00,01 | | | | | | | |
| JP | 12049 | 9042 | | | | | | | |
| KR | 60943 | 99224 | | | | | | | |
| PA | 1375 | 3149 | | | | | | | |
| TW | 18554 | 49985 | | | | | | | |
| UK | 3734 | 3923 | | | | | | | |
| UY | 1169 | | | | | | | | |

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

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| JI | 79837 | 253997 | 182925 | 145919 | 13000 | 101753 | 1661 | 7776 | 68950 | 157635 |
| TR | 5156 | 12204 | 6784 | 4711 | 411 | 1622 | 59 | 162 | 16665 | 3869 |
| | 84993 | 266201 | 189709 | 150631 | 13411 | 103375 | 1720 | 7937 | 85614 | 161493 |

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| January | 0 | 2 | 39 | • | 1 | | | | 6 | 4 |
| February | 53 | 14160 | 26916 | 55 | 1293 | 1944 | 24 | 87 | 454 | 3071 |
| March | 26799 | 83669 | 75957 | 69399 | 1911 | 71279 | 1424 | 6915 | 26654 | 22741 |
| April | 49219 | 93924 | 48565 | 57031 | 2766 | 28624 | 269 | 934 | 36353 | 71556 |
| May | 8800 | 63515 | 36412 | 22926 | 7439 | 1516 | 3 | 0 | 21922 | 58883 |
| June | 120 | 10932 | 1820 | 1220 | 0 | 11 | | | 225 | 5237 |
| July | | 0 | | 0 | | | | | | |
| August | 0 | | | | | | | | | |
| September | 1 | | | | | | | | | |
| October | 1 | | | | | | | | | |
| November | | | | | | | | | | |
| December | • | • | | 0 | | | | | | |
| | 84993 | 266201 | 189709 | 150631 | 13411 | 103375 | 1720 | 7937 | 85614 | 161493 |

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

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| AU | | 167 | | | | | | | | |
| BZ | | 3796 | 4066 | 1692 | 124 | 2767 | 42 | 61 | | 2285 |
| СВ | | | 2768 | 1195 | 33 | 857 | 17 | | | |
| CL | | | | | | | | | | |
| CN | 1177 | 7301 | 11641 | 18838 | 1203 | 12652 | 99 | 99 | 3555 | 8575 |
| EE | | | | | | | 3 | | 472 | |
| ES | 1758 | 3943 | 989 | 2807 | 271 | 960 | 22 | 95 | 2320 | 3297 |
| FK | 804 | 2582 | 716 | 1879 | 140 | 659 | 16 | 93 | 1050 | 537 |
| FR | | 56 | 0 | | | | | | | |
| GH | | | | | | | | | 1244 | |
| IS | | | | | | | | | | |
| JP | 35984 | 37495 | 25652 | 18126 | 1113 | 7746 | 93 | | | |
| KR | 42437 | 201690 | 120628 | 80827 | 9338 | 48766 | 530 | 4170 | 57030 | 94884 |
| NA | | 63 | | | | | | | | |
| PA | 1098 | | | | | | | 194 | 1375 | 1896 |
| RU | | | | 0 | | 6891 | 31 | | | |
| TW | 1734 | 8771 | 23243 | 25241 | 1189 | 22077 | 865 | 3106 | 18554 | 49985 |
| UK | | 336 | 6 | 21 | | | 1 | | 15 | 35 |
| VC | | | | 4 | | | | | | |
| VU | | | | | | | | 120 | | |
| | 84992 | 266201 | 189709 | 150631 | 13411 | 103375 | 1720 | 7937 | 85614 | 161493 |

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| <400 | 663 | 5535 | 5755 | 2627 | 190 | 1888 | 24 | | | |
| 400-599 | 4176 | 25341 | 11574 | 12799 | 1206 | 5030 | 26 | 280 | 2067 | 3143 |
| 600-799 | 33854 | 157725 | 103179 | 70730 | 7338 | 45406 | 493 | 3757 | 47876 | 76353 |
| 800-999 | 15998 | 28821 | 40053 | 39487 | 2530 | 34521 | 994 | 3487 | 23849 | 66417 |
| 1000-1499 | 27282 | 40926 | 23536 | 24066 | 2061 | 16232 | 153 | 381 | 10690 | 13554 |
| 1500-1999 | 283 | 1504 | 553 | 414 | 86 | 177 | 12 | 14 | 1022 | 2026 |
| 2000-2999 | 143 | 1293 | 30 | 508 | 1 | 120 | 1 | 19 | 111 | 0 |
| >2999 | 2593 | 5055 | 5030 | | | | 17 | | | |
| | 84993 | 266201 | 189709 | 150631 | 13411 | 103375 | 1720 | 7937 | 85614 | 161493 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| <45 | 74 | 1865 | 1865 | 1865 | | | 0 | | | |
| 45-49 | 22346 | 49259 | 49259 | 49259 | 5176 | 25175 | 277 | 1914 | 16493 | 28747 |
| 50-54 | 15667 | 28339 | 28339 | 28339 | 3089 | 24699 | 312 | 2206 | 30895 | 49469 |
| 55-59 | 4151 | 16588 | 16588 | 16588 | 1293 | 16753 | 447 | 1736 | 15719 | 31395 |
| 60-64 | 9480 | 27502 | 27502 | 27502 | 1779 | 18624 | 348 | 832 | 10718 | 20600 |
| 65-69 | 20194 | 17984 | 17984 | 17984 | 1583 | 13616 | 254 | 1091 | 9264 | 26783 |
| 70-79 | 10486 | 8622 | 8622 | 8622 | 490 | 4414 | 61 | 140 | 2412 | 4499 |
| 80-89 | | 458 | 458 | 458 | 1 | 90 | 3 | 19 | 111 | |
| >89 | 2593 | 14 | 14 | 14 | | 4 | 17 | | 3 | |
| | 84993 | 150631 | 150631 | 150631 | 13411 | 103375 | 1720 | 7937 | 85614 | 161493 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| <1000 | | 2964 | 1765 | 1239 | 122 | • | | | | |
| 1000-1199 | 3013 | 12383 | 7711 | 9643 | 917 | 6597 | 28 | 1158 | | |
| 1200-1399 | 16878 | 66273 | 42851 | 30503 | 2808 | 16189 | 147 | 2218 | 14549 | 27603 |
| 1400-1599 | 18632 | 79824 | 51436 | 38463 | 4015 | 27928 | 329 | 937 | 28947 | 45121 |
| 1600-1799 | 19611 | 47198 | 30881 | 23703 | 2073 | 14773 | 214 | 2250 | 14749 | 28652 |
| 1800-1999 | 20192 | 36363 | 40765 | 37469 | 2610 | 26640 | 656 | 1041 | 20250 | 36704 |
| 2000-2499 | 3930 | 14482 | 9130 | 7795 | 766 | 10375 | 246 | 315 | 6994 | 20302 |
| 2500-2999 | | 223 | 105 | 1286 | 99 | 753 | 80 | 19 | 3 | 3075 |
| 3000-3999 | 143 | 1216 | 27 | 484 | 1 | 109 | 2 | | 120 | 35 |
| >3999 | 2593 | 5273 | 5039 | 45 | | 12 | 17 | | 3 | |
| | 84993 | 266201 | 189709 | 150631 | 13411 | 103375 | 1720 | 7937 | 85614 | 161493 |

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| <400 | 663 | 5535 | 5754 | 2627 | 190 | 1888 | 24 | | | |
| 400-599 | 4102 | 25190 | 11574 | 12799 | 1206 | 5030 | 26 | 280 | 2067 | 3143 |
| 600-799 | 33730 | 157195 | 103054 | 70286 | 7279 | 45203 | 489 | 3756 | 40707 | 75941 |
| 800-999 | 15638 | 28043 | 39901 | 38817 | 2484 | 34168 | 988 | 3484 | 17667 | 66038 |
| 1000-1499 | 25705 | 38034 | 22642 | 21392 | 1841 | 15463 | 133 | 228 | 8509 | 10680 |
| 1500-1999 | | | | | | | | | | 1822 |
| 2000-2999 | | | • | | | | | | | |
| | 79837 | 253997 | 182925 | 145919 | 13000 | 101753 | 1660 | 7749 | 68950 | 157624 |

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

Table D.8 Total catch (tonnes) of jiggers by length overall (m) (LOA) and year $% \left({{\rm{D}}{\rm{A}}} \right)$

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| <45 | | | | 1865 | | | | | | |
| 45-49 | 22022 | 116539 | 69863 | 48439 | 5130 | 24798 | 274 | 1911 | 16300 | 28116 |
| 50-54 | 15618 | 61052 | 45743 | 27806 | 3036 | 24461 | 305 | 2184 | 24724 | 49206 |
| 55-59 | 3764 | 10249 | 19532 | 15655 | 1214 | 16480 | 440 | 1706 | 10861 | 31007 |
| 60-64 | 8729 | 31137 | 21128 | 26968 | 1736 | 18420 | 345 | 776 | 9800 | 19021 |
| 65-69 | 19655 | 27589 | 18957 | 17586 | 1496 | 13372 | 244 | 1058 | 5342 | 25958 |
| 70-79 | 10049 | 7431 | 7704 | 7600 | 388 | 4222 | 52 | 113 | 1923 | 4316 |
| >79 | | | | | • | | | • | | |
| | 79837 | 253997 | 182925 | 145919 | 13000 | 101753 | 1660 | 7749 | 68950 | 157624 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|--------|--------|--------|-------|--------|------|------|-------|--------|
| <1000 | | 2964 | 1765 | 1239 | 122 | • | | | | |
| 1000-1199 | 3013 | 12383 | 7711 | 9643 | 917 | 6597 | 28 | | | |
| 1200-1399 | 16789 | 65883 | 42790 | 30295 | 2775 | 16074 | 147 | 1158 | 10574 | 27397 |
| 1400-1599 | 18349 | 79370 | 51211 | 37349 | 3944 | 27446 | 320 | 2198 | 25095 | 44607 |
| 1600-1799 | 19119 | 46397 | 30831 | 23506 | 2063 | 14670 | 211 | 912 | 10957 | 28114 |
| 1800-1999 | 19178 | 34085 | 40101 | 35757 | 2439 | 26155 | 640 | 2137 | 16038 | 34787 |
| 2000-2400 | 3389 | 12915 | 8517 | 7169 | 667 | 10088 | 233 | 1029 | 6286 | 19643 |
| 2500-2999 | | | | 960 | 74 | 723 | 81 | 315 | | 3075 |
| 3000-3999 | | | | | | | | | | |
| | 79837 | 253997 | 182925 | 145919 | 13000 | 101753 | 1660 | 7749 | 68950 | 157624 |

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

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|-------|------|------|------|------|------|------|-------|------|
| <400 | | | 1 | | | | | | | |
| 400-599 | 74 | 151 | | | | | | | 7168 | |
| 600-799 | 124 | 529 | 125 | 444 | 59 | 203 | 4 | 0 | 6183 | 412 |
| 800-999 | 361 | 778 | 151 | 670 | 45 | 353 | 1 | 3 | 2181 | 379 |
| 1000-1499 | 1577 | 2892 | 894 | 2675 | 220 | 769 | 25 | 126 | 1022 | 2874 |
| 1500-1999 | 283 | 1504 | 553 | 414 | 86 | 177 | 12 | 14 | 111 | 204 |
| 2000-2999 | 143 | 1293 | 30 | 508 | 1 | 120 | 1 | 19 | | 0 |
| <2999 | 2593 | 5055 | 5030 | | | | 17 | | | |
| | 5156 | 12204 | 6784 | 4711 | 411 | 1622 | 59 | 162 | 16665 | 3869 |

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|-------|------|------|------|------|------|------|-------|------|
| <45 | 74 | 87 | | | | | | | | |
| 45-49 | 324 | 607 | 165 | 820 | 46 | 378 | 3 | 3 | 193 | 631 |
| 50-54 | 49 | 366 | 94 | 533 | 53 | 237 | 7 | 22 | 6171 | 263 |
| 55-59 | 387 | 1190 | 275 | 932 | 79 | 273 | 4 | 30 | 4858 | 388 |
| 60-64 | 752 | 1395 | 298 | 534 | 43 | 204 | 7 | 56 | 918 | 1578 |
| 65-69 | 539 | 469 | 266 | 399 | 87 | 244 | 10 | 33 | 3922 | 825 |
| 70-79 | 437 | 2384 | 627 | 1022 | 101 | 192 | 9 | 0 | 489 | 184 |
| 80-89 | 0 | 584 | 29 | 458 | 1 | 90 | 3 | 19 | 111 | |
| >89 | 2593 | 5121 | 5030 | 14 | | 4 | 17 | | 3 | |
| | 5156 | 12204 | 6784 | 4711 | 411 | 1622 | 59 | 162 | 16665 | 3869 |

Table D.11 Total catch (tonnes) of trawlers by length overall (m) (LOA) and year $% \left({{\rm{D}}{\rm{A}}} \right)$

Table D.12 Total catch (tonnes) of trawlers by brake horsepower (BHP) and year $% \left({{\left[{BHP} \right]}} \right)$

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|-------|------|------|------|------|------|------|-------|------|
| 1000-1199 | | | | | | | | | | |
| 1200-1399 | 89 | 390 | 62 | 208 | 33 | 115 | | | 3975 | 206 |
| 1400-1599 | 283 | 455 | 226 | 1114 | 71 | 482 | 8 | 20 | 3853 | 513 |
| 1600-1799 | 492 | 801 | 50 | 197 | 10 | 103 | 2 | 25 | 3792 | 538 |
| 1800-1999 | 1013 | 2279 | 664 | 1712 | 171 | 485 | 16 | 87 | 4212 | 1918 |
| 2000-2499 | 541 | 1567 | 612 | 626 | 98 | 287 | 14 | 11 | 707 | 659 |
| 2500-2999 | | 223 | 105 | 326 | 25 | 31 | 0 | 0 | 3 | |
| 3000-3999 | 143 | 1216 | 27 | 484 | 1 | 109 | 19 | 19 | 120 | 35 |
| >3999 | 2593 | 5273 | 5039 | 45 | | 12 | | | 3 | |
| | 5156 | 12204 | 6784 | 4711 | 411 | 1622 | 59 | 162 | 16665 | 3869 |

Illex argentinus





Length- frequency distribution and length-weight relationship in jigger fleets in 2007

Length- frequency distribution and length-weight relationship in trawler fleets in 2007



Loligo gahi - Patagonian squid

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

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| TR | 51559 | 34866 | 64493 | 53560 | 23712 | 47422 | 26835 | 58811 | 43067 | 41979 |
| | 51559 | 34866 | 64493 | 53560 | 23712 | 47422 | 26835 | 58811 | 43067 | 41979 |

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

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| January | 88 | 422 | | | | 0 | | | | 0 |
| February | 8618 | 7646 | 11006 | 4478 | 3980 | 1180 | 586 | 2050 | 2943 | 729 |
| March | 12324 | 5599 | 9600 | 3754 | 2761 | 12340 | 4431 | 17905 | 13716 | 10271 |
| April | 6858 | 4264 | 8921 | 7854 | 2750 | 3851 | 2519 | 7427 | 2770 | 6388 |
| May | 4984 | 4682 | 9186 | 11538 | 4707 | 1224 | 869 | 1365 | 2 | 35 |
| June | 507 | 248 | 0 | 0 | 0 | 378 | 201 | 209 | 6 | 10 |
| July | 761 | 394 | 1 | | 0 | 8 | 5852 | 10265 | 8132 | 6325 |
| August | 9622 | 6961 | 11288 | 14432 | 8007 | 16921 | 8045 | 14442 | 13988 | 14411 |
| September | 5942 | 4150 | 10620 | 8241 | 1213 | 9134 | 4301 | 5090 | 1425 | 3743 |
| October | 1801 | 500 | 3863 | 3258 | 290 | 2372 | 30 | 42 | 81 | 56 |
| November | 5 | 1 | 9 | 3 | 3 | 11 | 1 | 15 | 4 | 9 |
| December | 47 | | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| | 51559 | 34866 | 64493 | 53560 | 23712 | 47422 | 26835 | 58811 | 43067 | 41979 |

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AU | 3198 | 2486 | | | | | • | | | • |
| BZ | | | 2 | | | | | | | |
| CL | | | | | | | | | | |
| ES | 6197 | 3559 | 6805 | 5412 | 3036 | 458 | 98 | 104 | 74 | 134 |
| FK | 32029 | 22500 | 50308 | 42911 | 18613 | 43830 | 23573 | 54178 | 40165 | 38065 |
| FR | 4146 | 2309 | 2024 | | | | | | | |
| HN | | | | | | | | | | |
| JP | 2618 | 1857 | | 1 | | | 1 | | | 2 |
| KR | | 7 | 27 | 10 | 13 | 38 | 53 | 13 | 41 | 22 |
| NA | 1 | 0 | | | | | 1141 | | | |
| PA | | 0 | | | | | | | | 1075 |
| PL | | | | | | | | | | |
| PT | | | | | | | | | | |
| SC | | | | | | | | | | |
| UK | 3336 | 2148 | 5328 | 3431 | 2049 | 3095 | 1967 | 4516 | 2786 | 2681 |
| UY | 35 | | | | | | | | | |
| VC | | | | 1795 | | | | | | |
| | 51559 | 34866 | 64493 | 53560 | 23712 | 47422 | 26835 | 58811 | 43067 | 41979 |

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <400 | | 0 | 5 | | | | • | | | • |
| 400-599 | 3 | 0 | | | | 4 | 2 | | | |
| 600-799 | 2581 | 1433 | 2707 | 2160 | 1102 | 847 | 19 | 202 | 8 | 29 |
| 800-999 | 836 | 541 | 3297 | 2640 | 1361 | 2095 | 1149 | 2671 | 2165 | 2199 |
| 1000-1499 | 9164 | 5390 | 11504 | 9449 | 3889 | 8088 | 5317 | 9844 | 6578 | 7552 |
| 1500-1999 | 11202 | 7290 | 14122 | 9248 | 5312 | 9611 | 7474 | 17527 | 13227 | 12577 |
| 2000-2999 | 25155 | 18352 | 32858 | 30063 | 12048 | 26776 | 12873 | 28564 | 21089 | 19621 |
| >2999 | 2619 | 1857 | | | | | 1 | 3 | | 2 |
| | 51559 | 34866 | 64493 | 53560 | 23712 | 47422 | 26835 | 58811 | 43067 | 41979 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <45 | 2 | | | | | | | | | |
| 45-49 | 803 | 543 | 3288 | 2638 | 1361 | 2089 | 1116 | 2666 | 2157 | 2186 |
| 50-54 | 5359 | 3309 | 6208 | 5404 | 2578 | 3621 | 1981 | 3601 | 2319 | 2335 |
| 55-59 | 338 | 1 | 9 | 5 | 8 | 16 | 12 | 6 | 8 | 18 |
| 60-64 | 6486 | 3742 | 5738 | 6264 | 2630 | 5868 | 3211 | 7083 | 5190 | 4980 |
| 65-69 | 4229 | 4226 | 9619 | 6911 | 3114 | 6095 | 3844 | 8052 | 4978 | 4829 |
| 70-79 | 19416 | 10603 | 20381 | 15971 | 6898 | 15325 | 6965 | 17771 | 14510 | 13591 |
| 80-89 | 7996 | 7413 | 14917 | 11766 | 5114 | 10648 | 7890 | 14945 | 11208 | 11063 |
| >89 | 6931 | 5029 | 4333 | 4601 | 2009 | 3761 | 1816 | 4687 | 2696 | 2977 |
| | 51559 | 34866 | 64493 | 53560 | 23712 | 47422 | 26835 | 58811 | 43067 | 41979 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <1000 | | | | | | | | | | |
| 1000-1199 | | | | | | | | | | |
| 1200-1399 | 7 | 1 | 4 | 2 | 4 | 3 | | | | |
| 1400-1599 | 2615 | 1431 | 2702 | 2650 | 1099 | 856 | 61 | 229 | 13 | 63 |
| 1600-1799 | 840 | 875 | 3695 | 2623 | 1138 | 2290 | 1471 | 2901 | 2091 | 1965 |
| 1800-1999 | 2610 | 1166 | 3300 | 2658 | 1548 | 2127 | 1172 | 2716 | 2189 | 2226 |
| 2000-2499 | 11530 | 9027 | 16580 | 12044 | 5802 | 12238 | 8011 | 15686 | 11493 | 11276 |
| 2500-2999 | 2848 | 9 | 27 | 89 | 19 | 34 | 3004 | 4691 | 2722 | 4071 |
| 3000-3999 | 20608 | 14764 | 29008 | 24657 | 10541 | 22774 | 10851 | 24078 | 18196 | 15889 |
| >3999 | 10501 | 7593 | 9178 | 8837 | 3561 | 7099 | 2266 | 8510 | 6363 | 6491 |
| | 51559 | 34866 | 64493 | 53560 | 23712 | 47422 | 26835 | 58811 | 43067 | 41979 |

Loligo gahi



Loligo gahi—Patagonian squid







Loligo gahi—Patagonian squid



Length- frequency distribution and length-weight relationship during second season 2007

Martialia hyadesi - Martialia squid

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

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| JI | | 29 | | 147 | 1 | | | | | |
| TR | | | | | | 30 | 24 | 0 | | |
| | • | 29 | • | 147 | 1 | 30 | 24 | 0 | • | • |

| Table F.2 Tota | al catch (tonnes) |) by month and year |
|----------------|-------------------|---------------------|
|----------------|-------------------|---------------------|

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| January | | | | | | • | | | | |
| February | | | | | 1 | 6 | 20 | 0 | | |
| March | | | | | | 2 | 4 | | | |
| April | | | | | | 2 | | | | |
| May | | 29 | | 110 | | 13 | | | | |
| June | | | | 37 | | 6 | | | | |
| July | | | | | | | | | | |
| August | | | | | | 1 | | | | |
| September | | | | | | 0 | | | | |
| October | | | | | | | | | | |
| November | | | | | | | | | | |
| December | | | | | | | | | | |
| | • | 29 | • | 147 | 1 | 30 | 24 | 0 | • | |

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|------|------|------|------|------|------|------|------|------|------|
| СВ | | | | 8 | | | | | | |
| ES | | 0 | | | | 2 | 17 | 0 | | |
| FK | | 0 | | | | 28 | 7 | | | |
| JP | | 28 | | | | | | | | |
| KR | | 0 | | | | | | | | |
| TW | | | | 139 | 1 | | | | | |
| | • | 29 | | 147 | 1 | 30 | 24 | 0 | • | |

Martialia hyadesi - Martialia squid

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <400 | | | | | | | | | | |
| 400-599 | | | | | | | | | | |
| 600-799 | | | | 3 | | | | | | |
| 800-999 | | 12 | | 144 | 1 | | | | | |
| 1000-1499 | | 17 | | | | 27 | 11 | 0 | | |
| 1500-1999 | | | | | | 3 | 13 | | | |
| 2000-2999 | | | | | | | | | | |
| >2999 | | | | | | | | | | |
| | • | 29 | • | 147 | 1 | 30 | 24 | 0 | | • |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|------|
| <45 | | | | | | | | | | |
| 45-49 | | | | | | | | | | |
| 50-54 | | 0 | | 7 | | 25 | 7 | | | |
| 55-59 | | | | 44 | 1 | 0 | | | | |
| 60-64 | | 4 | | 27 | | 1 | | | | |
| 65-69 | | 19 | | 68 | | 3 | 17 | 0 | | |
| 70-79 | | 6 | | | | 1 | | | | |
| 80-89 | | | | | | | | | | |
| >89 | | | | | | | | | | |
| | | 29 | | 147 | 1 | 30 | 24 | 0 | • | |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <1000 | | | | | | | | | | • |
| 1000-1199 | | 1 | | | | | | | | |
| 1200-1399 | | | | | | | | | | |
| 1400-1599 | | | | 20 | | 25 | 7 | | | |
| 1600-1799 | | 15 | | 10 | | 1 | | | | |
| 1800-1999 | | 12 | | 61 | 1 | 2 | 17 | 0 | | |
| 2000-2499 | | 0 | | 55 | | 2 | | | | |
| 2500-2999 | | | | | | | | | | |
| 3000-3999 | | | | | | | | | | |
| >3999 | | | | | | | | | | |
| | | 29 | • | 147 | 1 | 30 | 24 | 0 | • | |

Micromesistius australis - Southern Blue Whiting

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

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| TR | 31483 | 28564 | 23371 | 25735 | 24908 | 20798 | 28553 | 17047 | 20533 | 22155 |
| | 31483 | 28564 | 23371 | 25735 | 24908 | 20798 | 28554 | 17047 | 20533 | 22155 |

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| January | 5789 | 5444 | 2999 | 4253 | 2476 | 4545 | 234 | 759 | 164 | 84 |
| February | 8464 | 6047 | 4484 | 3612 | 4563 | 6448 | 3155 | 811 | 383 | 515 |
| March | 3871 | 5252 | 3624 | 5564 | 5875 | 5328 | 3652 | 227 | 2029 | 172 |
| April | 531 | 677 | 939 | 2271 | 2443 | 1299 | 1785 | 158 | 303 | 84 |
| May | 365 | 522 | 83 | 294 | 580 | 40 | 103 | 142 | 86 | 11 |
| June | 66 | 22 | 4 | | 17 | | | 7 | 6 | 0 |
| July | | 3 | | | | | 7 | 1 | 0 | 56 |
| August | 150 | 63 | 87 | 79 | 302 | 32 | 598 | 527 | 145 | 868 |
| September | 1295 | 755 | 2344 | 4385 | 668 | 1053 | 2192 | 4242 | 4772 | 8073 |
| October | 1290 | 536 | 1121 | 3023 | 770 | 1337 | 6390 | 4705 | 6609 | 6550 |
| November | 3677 | 4481 | 4344 | 564 | 4147 | 597 | 6624 | 3899 | 3199 | 5400 |
| December | 5986 | 4763 | 3341 | 1689 | 3068 | 119 | 3814 | 1569 | 2837 | 342 |
| | 31483 | 28564 | 23371 | 25735 | 24908 | 20798 | 28554 | 17047 | 20533 | 22155 |

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

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AU | 23 | 165 | | | | | | | | |
| BZ | | | 257 | 206 | | | | | | |
| CL | 8635 | 4994 | 2723 | 6707 | 7155 | 5876 | 8218 | | 1884 | 3260 |
| EE | | | | | | | 13 | | 13 | |
| ES | 3471 | 3132 | 3346 | 5246 | 3152 | 2865 | 4358 | 5275 | 5514 | 6760 |
| FK | 1977 | 2127 | 2704 | 4621 | 2814 | 2511 | 2690 | 1676 | 1773 | 3074 |
| JP | 17048 | 18028 | 14121 | 8918 | 11670 | 9515 | 12939 | 10023 | 11302 | 8896 |
| KR | | 3 | 196 | 12 | 3 | 11 | 163 | 44 | 0 | 96 |
| NA | 282 | 29 | | | | | | | | |
| РТ | | | 1 | | | | | | | |
| UK | 48 | 85 | 22 | 24 | 116 | 20 | 173 | 29 | 47 | 69 |
| | 31483 | 28564 | 23371 | 25735 | 24908 | 20798 | 28554 | 17047 | 20533 | 22155 |

Micromesistius australis - Southern Blue Whiting

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <400 | • | | | | | | | | | |
| 400-599 | 333 | 222 | | | | 0 | | 0 | | |
| 600-799 | 755 | 112 | 452 | 737 | 500 | 519 | 270 | 279 | 448 | 941 |
| 800-999 | 633 | 407 | 702 | 37 | 155 | 586 | 599 | 126 | 0 | 720 |
| 1000-1499 | 2555 | 2887 | 3265 | 8281 | 9545 | 7005 | 4145 | 4480 | 2472 | 3422 |
| 1500-1999 | 446 | 1219 | 1005 | 1892 | 1439 | 474 | 1491 | 1653 | 4355 | 4743 |
| 2000-2999 | 1078 | 740 | 1104 | 702 | 428 | 928 | 892 | 487 | 72 | 174 |
| >2999 | 25683 | 22977 | 16844 | 14085 | 12840 | 11285 | 21157 | 10023 | 13186 | 12156 |
| | 31483 | 28564 | 23371 | 25735 | 24908 | 20798 | 28554 | 17047 | 20533 | 22155 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <45 | 51 | 192 | | | | | | | | |
| 45-49 | 1071 | 380 | 511 | 87 | 226 | 115 | 610 | 155 | 98 | 273 |
| 50-54 | 415 | 30 | 797 | 1675 | 510 | 860 | 746 | 637 | 533 | 1357 |
| 55-59 | 1203 | 832 | 829 | 1036 | 891 | 532 | 264 | 451 | 59 | 1014 |
| 60-64 | 381 | 1149 | 698 | 2066 | 1150 | 997 | 1497 | 1749 | 1114 | 1150 |
| 65-69 | 746 | 609 | 649 | 3220 | 7029 | 4711 | 2848 | 2886 | 3621 | 3865 |
| 70-79 | 1698 | 1991 | 1952 | 2869 | 2027 | 1727 | 602 | 609 | 1310 | 1662 |
| 80-89 | 196 | 381 | 1039 | 628 | 235 | 561 | 806 | 497 | 609 | 641 |
| >89 | 25722 | 23000 | 16897 | 14153 | 12840 | 11295 | 21180 | 10064 | 13188 | 12192 |
| | 31483 | 28564 | 23371 | 25735 | 24908 | 20798 | 28554 | 17047 | 20533 | 22155 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <1000 | | | | | | | | | | |
| 1000-1199 | | | | | | | | | | |
| 1200-1399 | 561 | 60 | 236 | 564 | 273 | 77 | | 66 | | 3 |
| 1400-1599 | 756 | 572 | 737 | 1206 | 423 | 435 | 742 | 561 | 544 | 1624 |
| 1600-1799 | 474 | 357 | 77 | 353 | 328 | 1076 | 799 | 843 | 575 | 506 |
| 1800-1999 | 1986 | 1818 | 2581 | 3802 | 2368 | 1269 | 3351 | 3233 | 3676 | 4343 |
| 2000-2499 | 894 | 1710 | 1178 | 2764 | 1962 | 1218 | 1286 | 1764 | 2423 | 3178 |
| 2500-2999 | 2 | 266 | 592 | 2233 | 6172 | 4488 | 176 | 79 | 2 | 132 |
| 3000-3999 | 1011 | 777 | 1073 | 627 | 542 | 888 | 1036 | 439 | 75 | 182 |
| >3999 | 25798 | 23005 | 16897 | 14184 | 12842 | 11345 | 21163 | 10062 | 13238 | 12187 |
| | 31483 | 28564 | 23371 | 25735 | 24908 | 20798 | 28554 | 17047 | 20533 | 22155 |





2007

FICZ and FOCZ



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Micromesistius australis

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Micromesistius australis-Southern Blue Whiting

Length- frequency distribution and length-weght relationship in surimi fleet in 2007





Micromesistius australis—Southern Blue Whiting

Length- frequency distribution and length-weight relationship in trawler fleets in 2007



Macruronus magellanicus—Hoki

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CO | 153 | | | | | | | | | |
| LO | | | | | | | | | 0 | |
| TR | 22224 | 18765 | 19831 | 19471 | 26970 | 23815 | 25904 | 16721 | 19761 | 16659 |
| | 22378 | 18765 | 19831 | 19471 | 26970 | 23815 | 25904 | 16721 | 19761 | 16659 |

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

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | |
| January | 1224 | 442 | 978 | 1541 | 589 | 969 | 506 | 269 | 660 | 1265 |
| February | 1459 | 1037 | 3105 | 1739 | 1970 | 5780 | 3517 | 2566 | 2520 | 2365 |
| March | 2734 | 2172 | 3700 | 1784 | 5268 | 1625 | 3821 | 954 | 1476 | 1376 |
| April | 3827 | 2639 | 3244 | 2669 | 4404 | 3185 | 4868 | 1128 | 2070 | 2080 |
| May | 4501 | 1725 | 1220 | 2002 | 2031 | 1974 | 2496 | 894 | 2182 | 1591 |
| June | 930 | 359 | 476 | 582 | 1068 | 485 | 111 | 121 | 617 | 245 |
| July | 441 | 455 | 1057 | 799 | 3 | 154 | 55 | 304 | 256 | 512 |
| August | 1249 | 1761 | 1590 | 833 | 2048 | 2026 | 2223 | 2378 | 2182 | 1708 |
| September | 1296 | 2306 | 615 | 803 | 1481 | 2089 | 1452 | 1997 | 3201 | 1070 |
| October | 2841 | 4334 | 1281 | 3350 | 3177 | 3203 | 4907 | 3403 | 1964 | 2461 |
| November | 1493 | 1201 | 1792 | 3163 | 3590 | 1985 | 925 | 1756 | 2077 | 1565 |
| December | 383 | 334 | 774 | 204 | 1341 | 341 | 1022 | 951 | 557 | 421 |
| | 22378 | 18765 | 19831 | 19471 | 26970 | 23815 | 25904 | 16721 | 19761 | 16659 |

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

| Table H.3 | Total catch | (tonnes) l | by fishing | fleet and year |
|-------------|--------------|------------|------------|----------------|
| 1 4010 11.0 | 1 otal eaten | (*******) | <i>y</i> | neet and year |

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AU | 31 | 377 | | | | | | | | |
| BZ | | 87 | 1720 | 374 | 1 | | | | | |
| CL | 204 | 420 | 26 | 1300 | 2097 | 613 | 1533 | | 247 | 343 |
| EE | | | | | | | 143 | | 253 | |
| ES | 16186 | 11193 | 10176 | 9653 | 12984 | 11357 | 11713 | 9014 | 12122 | 10338 |
| FK | 4246 | 5109 | 3404 | 5471 | 9804 | 9519 | 9689 | 5788 | 6091 | 5065 |
| FR | | 2 | 0 | | | | | | | |
| HN | | | | | | | | | | |
| IS | | | | | | | | | | |
| JP | 844 | 400 | 1889 | 866 | 1612 | 1596 | 1998 | 1203 | 743 | 141 |
| KR | 658 | 522 | 2541 | 1633 | 420 | 642 | 512 | 693 | 171 | 602 |
| NA | 205 | 308 | | | | | 7 | | | |
| PA | | 1 | | | | | | | | 4 |
| PL | | | | | | | | | | |
| РТ | | | 32 | | | | | | | |
| RU | | | | 144 | | | | | | |
| SC | | | | | | | | | | |
| UK | 2 | 347 | 42 | 30 | 52 | 88 | 308 | 23 | 135 | 166 |
| VC | | • | • | 0 | • | | | | • | |
| | 22378 | 18765 | 19831 | 19471 | 26970 | 23815 | 25904 | 16721 | 19761 | 16659 |

Macruronus magellanicus—Hoki

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <400 | 153 | 78 | 362 | 293 | | | | | | |
| 400-599 | 658 | 586 | | 130 | 17 | 53 | 24 | 27 | 32 | |
| 600-799 | 3535 | 1613 | 2262 | 1842 | 3493 | 2018 | 1473 | 1136 | 1415 | 2421 |
| 800-999 | 2872 | 2149 | 2488 | 1269 | 902 | 2049 | 1684 | 1510 | 1261 | 1992 |
| 1000-1499 | 10862 | 8752 | 10433 | 10659 | 14144 | 12351 | 14515 | 10033 | 12316 | 8709 |
| 1500-1999 | 1225 | 2553 | 2091 | 2420 | 5169 | 4258 | 3547 | 2006 | 3264 | 2765 |
| 2000-2999 | 2024 | 2452 | 281 | 766 | 293 | 1757 | 1130 | 807 | 484 | 287 |
| >2999 | 1049 | 581 | 1915 | 2091 | 2952 | 1330 | 3532 | 1203 | 990 | 484 |
| | 22378 | 18765 | 19831 | 19471 | 26970 | 23815 | 25904 | 16721 | 19761 | 16659 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <45 | 453 | 279 | | | | | | | | |
| 45-49 | 3255 | 2284 | 1361 | 951 | 961 | 1247 | 1813 | 1340 | 919 | 1578 |
| 50-54 | 2184 | 982 | 4085 | 3188 | 4571 | 3553 | 3949 | 3527 | 3103 | 3735 |
| 55-59 | 4788 | 4034 | 4507 | 2737 | 4177 | 2892 | 1068 | 1284 | 1856 | 1227 |
| 60-64 | 3341 | 3113 | 3125 | 3491 | 2812 | 4176 | 3997 | 2775 | 4563 | 2545 |
| 65-69 | 3397 | 1830 | 1434 | 3063 | 5230 | 4301 | 8095 | 5329 | 5664 | 4304 |
| 70-79 | 3669 | 4716 | 3128 | 3202 | 6066 | 5240 | 1718 | 577 | 1707 | 2502 |
| 80-89 | 234 | 859 | 265 | 739 | 176 | 933 | 1723 | 679 | 896 | 242 |
| >89 | 1056 | 668 | 1925 | 2099 | 2976 | 1474 | 3542 | 1210 | 1053 | 526 |
| | 22378 | 18765 | 19831 | 19471 | 26970 | 23815 | 25904 | 16721 | 19761 | 16659 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <1000 | | | | | | | | | | |
| 1000-1199 | | 10 | | | | | | | | |
| 1200-1399 | 1976 | 1206 | 1172 | 826 | 1934 | 528 | | 388 | 163 | 266 |
| 1400-1599 | 3114 | 1769 | 2919 | 1888 | 3150 | 2736 | 3545 | 2766 | 3340 | 3653 |
| 1600-1799 | 2640 | 1894 | 377 | 922 | 630 | 2116 | 1459 | 1029 | 2400 | 1349 |
| 1800-1999 | 8165 | 5739 | 7071 | 6935 | 8737 | 7734 | 9935 | 7102 | 7569 | 4610 |
| 2000-2499 | 2899 | 3509 | 3616 | 3887 | 7354 | 5495 | 5583 | 2888 | 4504 | 5250 |
| 2500-2999 | 509 | 1230 | 2439 | 2126 | 1844 | 2010 | 416 | 512 | 217 | 594 |
| 3000-3999 | 1998 | 2740 | 312 | 781 | 327 | 1598 | 1383 | 746 | 518 | 363 |
| >3999 | 1076 | 668 | 1925 | 2106 | 2993 | 1600 | 3584 | 1290 | 1050 | 574 |
| | 22378 | 18765 | 19831 | 19471 | 26970 | 23815 | 25904 | 16721 | 19761 | 16659 |







Macruronus magellanicus

Macruronus magellanicus—Hoki

Length- frequency distribution and length-weight relationship in trawler fleets in 2007





Salilota australis - Red cod

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| СО | 39 | | | | | | | | | |
| LO | | | | | | | | | 6 | |
| TR | 8081 | 9313 | 6551 | 3896 | 2617 | 2285 | 2781 | 2467 | 3463 | 5183 |
| | 8121 | 9313 | 6551 | 3896 | 2617 | 2285 | 2781 | 2467 | 3469 | 5183 |

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

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| January | 164 | 105 | 451 | 210 | 33 | 57 | 80 | 4 | 73 | 82 |
| February | 310 | 307 | 796 | 291 | 165 | 248 | 362 | 202 | 222 | 290 |
| March | 852 | 906 | 599 | 369 | 539 | 95 | 188 | 62 | 215 | 423 |
| April | 1151 | 1486 | 859 | 547 | 446 | 264 | 350 | 114 | 558 | 502 |
| May | 2061 | 1497 | 633 | 617 | 250 | 254 | 271 | 149 | 290 | 504 |
| June | 517 | 523 | 81 | 65 | 40 | 58 | 13 | 36 | 59 | 77 |
| July | 95 | 357 | 431 | 67 | 0 | 3 | 94 | 97 | 196 | 338 |
| August | 797 | 1081 | 822 | 297 | 171 | 235 | 258 | 492 | 571 | 904 |
| September | 812 | 1215 | 747 | 342 | 263 | 343 | 436 | 676 | 623 | 1033 |
| October | 752 | 1046 | 590 | 679 | 325 | 490 | 583 | 337 | 459 | 770 |
| November | 543 | 353 | 403 | 387 | 296 | 192 | 134 | 248 | 164 | 234 |
| December | 66 | 437 | 139 | 26 | 90 | 46 | 11 | 50 | 40 | 27 |
| | 8121 | 9313 | 6551 | 3896 | 2617 | 2285 | 2781 | 2467 | 3469 | 5183 |

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

| Table I.3 | Total catch | (tonnes) b | y fishing | fleet and year |
|-----------|-------------|------------|-----------|----------------|
|-----------|-------------|------------|-----------|----------------|

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|------|------|------|------|------|------|------|------|------|------|
| AU | 85 | 60 | | | | | | | | |
| BZ | | 28 | 237 | 42 | | | | | | |
| CL | 0 | 59 | | | | | | | | |
| EE | | | | | | | | | 84 | |
| ES | 6168 | 5937 | 3918 | 2222 | 1624 | 1279 | 1582 | 1579 | 2246 | 3985 |
| FK | 1491 | 2692 | 1886 | 1374 | 950 | 958 | 1024 | 746 | 1047 | 1127 |
| FR | 11 | 5 | 29 | | | | | | | |
| HN | | | | | | | | | | |
| IS | | | | | | | | | | |
| JP | 64 | 13 | 11 | | 0 | | 3 | | 0 | 1 |
| KR | 180 | 200 | 429 | 219 | 28 | 40 | 85 | 125 | 60 | 49 |
| NA | 100 | 128 | | | | | 7 | | | |
| РА | | 2 | | | | | | | | |
| PL | | | | | | | | | | |
| РТ | | | 12 | | | | | | | |
| RU | | | | 8 | | | | | | |
| SC | | | | | | | | | | |
| UK | 22 | 188 | 30 | 17 | 15 | 9 | 63 | 17 | 31 | 22 |
| UY | 0 | | | | | | | | | |
| VC | | | | 14 | | | | | | |
| | 8121 | 9313 | 6551 | 3896 | 2617 | 2285 | 2781 | 2467 | 3469 | 5183 |

Salilota australis - Red cod

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <400 | 39 | 33 | 85 | 17 | | • | | | | |
| 400-599 | 466 | 324 | | 11 | 1 | 0 | 2 | 14 | 4 | |
| 600-799 | 1243 | 879 | 755 | 551 | 404 | 203 | 179 | 67 | 209 | 648 |
| 800-999 | 1390 | 1198 | 763 | 261 | 122 | 228 | 210 | 135 | 216 | 721 |
| 1000-1499 | 3639 | 4304 | 3514 | 2284 | 1498 | 1262 | 1248 | 1468 | 1855 | 2191 |
| 1500-1999 | 481 | 1574 | 900 | 511 | 474 | 278 | 828 | 600 | 1066 | 1571 |
| 2000-2999 | 798 | 987 | 524 | 260 | 117 | 315 | 311 | 184 | 118 | 52 |
| >2999 | 64 | 13 | 11 | | | | 3 | 0 | 0 | 1 |
| | 8121 | 9313 | 6551 | 3896 | 2617 | 2285 | 2781 | 2467 | 3469 | 5183 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|------|
| <45 | 366 | 197 | | | | | | | | |
| 45-49 | 1430 | 1384 | 688 | 312 | 162 | 168 | 213 | 71 | 259 | 566 |
| 50-54 | 685 | 475 | 869 | 630 | 439 | 358 | 362 | 379 | 519 | 892 |
| 55-59 | 1828 | 1761 | 1519 | 578 | 454 | 317 | 199 | 126 | 212 | 485 |
| 60-64 | 865 | 1518 | 1021 | 669 | 309 | 339 | 347 | 442 | 410 | 829 |
| 65-69 | 1265 | 785 | 508 | 458 | 292 | 280 | 1180 | 1158 | 1678 | 1787 |
| 70-79 | 1463 | 2628 | 1590 | 1050 | 893 | 596 | 167 | 123 | 278 | 553 |
| 80-89 | 107 | 516 | 326 | 186 | 50 | 218 | 303 | 159 | 102 | 63 |
| >89 | 112 | 49 | 30 | 12 | 19 | 9 | 9 | 9 | 10 | 9 |
| | 8121 | 9313 | 6551 | 3896 | 2617 | 2285 | 2781 | 2467 | 3469 | 5183 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <1000 | | | | | | | | | | |
| 1000-1199 | | 14 | | | | | | | | |
| 1200-1399 | 628 | 544 | 357 | 224 | 156 | 71 | | 4 | 51 | 112 |
| 1400-1599 | 1642 | 1238 | 892 | 500 | 333 | 337 | 401 | 257 | 551 | 1134 |
| 1600-1799 | 769 | 612 | 227 | 200 | 105 | 171 | 129 | 115 | 219 | 539 |
| 1800-1999 | 2762 | 3163 | 2606 | 1567 | 1149 | 871 | 1399 | 1307 | 1661 | 2127 |
| 2000-2499 | 1283 | 2115 | 1361 | 742 | 587 | 417 | 405 | 475 | 774 | 1148 |
| 2500-2999 | 152 | 528 | 543 | 386 | 156 | 93 | 75 | 114 | 66 | 57 |
| 3000-3999 | 753 | 1034 | 485 | 206 | 85 | 305 | 347 | 152 | 116 | 46 |
| >3999 | 132 | 64 | 80 | 71 | 47 | 21 | 24 | 43 | 31 | 20 |
| | 8121 | 9313 | 6551 | 3896 | 2617 | 2285 | 2781 | 2467 | 3469 | 5183 |

Salilota australis



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Salilota australis - Red cod

Length- frequency distribution and length-weight relationship in trawler fleets in 2007





Merluccius spp - Hakes

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|------|------|------|------|------|------|------|------|------|-------|
| СО | 36 | | | | | | | | | |
| LO | | | | | | | | | 5 | |
| TR | 3466 | 4224 | 3069 | 1978 | 1678 | 1967 | 1927 | 2735 | 8433 | 11899 |
| | 3502 | 4224 | 3069 | 1978 | 1678 | 1967 | 1927 | 2735 | 8438 | 11899 |

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

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|-------|
| January | 47 | 7 | 57 | 7 | 48 | 51 | 14 | 0 | 7 | 31 |
| February | 112 | 136 | 87 | 24 | 96 | 142 | 196 | 81 | 254 | 215 |
| March | 429 | 339 | 180 | 110 | 223 | 34 | 141 | 65 | 267 | 556 |
| April | 542 | 591 | 309 | 462 | 288 | 253 | 269 | 168 | 1098 | 1089 |
| May | 1065 | 444 | 183 | 400 | 146 | 198 | 223 | 318 | 1002 | 3134 |
| June | 312 | 257 | 58 | 79 | 46 | 74 | 86 | 41 | 130 | 2276 |
| July | 77 | 335 | 419 | 140 | 6 | 31 | 144 | 163 | 415 | 1976 |
| August | 305 | 1068 | 934 | 338 | 244 | 263 | 441 | 698 | 2051 | 1881 |
| September | 401 | 508 | 604 | 202 | 388 | 633 | 261 | 854 | 1906 | 491 |
| October | 152 | 414 | 179 | 166 | 113 | 215 | 128 | 277 | 964 | 200 |
| November | 58 | 86 | 54 | 49 | 43 | 64 | 23 | 67 | 329 | 48 |
| December | 2 | 40 | 3 | 1 | 39 | 7 | 1 | 2 | 16 | 2 |
| | 3502 | 4224 | 3069 | 1978 | 1678 | 1967 | 1927 | 2735 | 8438 | 11899 |

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

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|------|------|------|------|------|------|------|------|--------|---------|
| AU | 3 | 10 | • | | | | | | | |
| BZ | | 35 | 63 | 4 | 0 | | | | | |
| CL | 0 | 1 | | 7 | 0 | | 1 | | | |
| EE | | | | | | | 6 | | 66 | |
| ES | 2387 | 2602 | 1522 | 1073 | 805 | 1021 | 810 | 1388 | 4837 | 7597 |
| FK | 959 | 1031 | 1000 | 564 | 655 | 731 | 798 | 1003 | 3038 | 4022 |
| FR | 3 | 3 | 0 | | | | | | | |
| HN | | | | | | | | | | |
| IS | | | | | | | | | | |
| JP | 30 | 28 | 54 | 2 | 75 | 28 | 8 | | | |
| KR | 86 | 387 | 396 | 264 | 123 | 187 | 277 | 309 | 394 | 159 |
| NA | 15 | 37 | | | | | 0 | | | |
| PA | _ | 36 | | | | | | | | |
| PL | | | | • | • | | · | · | • | |
| PT | | | 3 | • | • | • | • | · | • | |
| RU | | | Ū. | 47 | • | • | • | · | • | |
| SC | • | | • | | • | • | • | • | • | • |
| UK | 18 | 53 | .30 | | 20 | 1 | 26 | 35 | 103 | 120 |
| UY | 0 | | | | 20 | 0 | | 55 | 105 | 120 |
| VC | 0 | • | | 5 | • | 0 | • | · | • | • |
| | 3502 | 4224 | 3069 | 1978 | 1678 | 1967 | 1927 | 2735 | . 8438 | . 11899 |

Merluccius spp - Hakes

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|-------|
| <400 | 36 | 106 | 76 | 39 | | 0 | 0 | | | |
| 400-599 | 90 | 79 | | 40 | 24 | 8 | 20 | 21 | 33 | |
| 600-799 | 244 | 287 | 202 | 198 | 140 | 186 | 140 | 362 | 852 | 1204 |
| 800-999 | 270 | 772 | 363 | 188 | 174 | 204 | 326 | 487 | 1511 | 986 |
| 1000-1499 | 2243 | 1861 | 1890 | 1200 | 968 | 1199 | 1053 | 1564 | 4971 | 6858 |
| 1500-1999 | 218 | 664 | 218 | 174 | 316 | 199 | 217 | 205 | 963 | 2306 |
| 2000-2999 | 370 | 426 | 265 | 131 | 57 | 167 | 162 | 96 | 108 | 545 |
| >2999 | 30 | 28 | 54 | 9 | 0 | 5 | 9 | 0 | | |
| | 3502 | 4224 | 3069 | 1978 | 1678 | 1967 | 1927 | 2735 | 8438 | 11899 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|-------|
| <45 | 75 | 42 | | | | 0 | | | | |
| 45-49 | 269 | 618 | 188 | 181 | 147 | 133 | 244 | 503 | 1526 | 1345 |
| 50-54 | 189 | 423 | 390 | 269 | 243 | 300 | 331 | 574 | 1379 | 2244 |
| 55-59 | 559 | 844 | 917 | 443 | 227 | 385 | 126 | 227 | 1095 | 1352 |
| 60-64 | 401 | 649 | 392 | 296 | 262 | 430 | 306 | 340 | 1122 | 1730 |
| 65-69 | 1356 | 490 | 529 | 261 | 386 | 323 | 670 | 960 | 2652 | 4087 |
| 70-79 | 549 | 978 | 337 | 418 | 371 | 287 | 137 | 40 | 506 | 609 |
| 80-89 | 58 | 136 | 261 | 95 | 36 | 100 | 103 | 92 | 157 | 531 |
| >89 | 46 | 44 | 55 | 15 | 6 | 8 | 9 | 0 | 1 | 0 |
| | 3502 | 4224 | 3069 | 1978 | 1678 | 1967 | 1927 | 2735 | 8438 | 11899 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|-------|
| <1000 | | | | | | 0 | | | | |
| 1000-1199 | | 183 | | | | | | | | |
| 1200-1399 | 95 | 107 | 66 | 66 | 57 | 30 | | 102 | 236 | 61 |
| 1400-1599 | 354 | 509 | 235 | 218 | 230 | 244 | 335 | 716 | 1704 | 2215 |
| 1600-1799 | 322 | 315 | 55 | 59 | 34 | 91 | 102 | 95 | 813 | 1196 |
| 1800-1999 | 1005 | 1314 | 1192 | 824 | 561 | 826 | 634 | 817 | 3166 | 5203 |
| 2000-2499 | 1231 | 816 | 823 | 367 | 496 | 375 | 477 | 620 | 1946 | 2432 |
| 2500-2999 | 77 | 492 | 348 | 293 | 216 | 205 | 183 | 255 | 361 | 127 |
| 3000-3999 | 349 | 432 | 290 | 128 | 60 | 183 | 186 | 131 | 205 | 660 |
| >3999 | 69 | 56 | 59 | 23 | 23 | 14 | 10 | 0 | 6 | 5 |
| | 3502 | 4224 | 3069 | 1978 | 1678 | 1967 | 1927 | 2735 | 8438 | 11899 |

FICZ and FOCZ



Catch (mt) by grid square



Merluccius spp.

Merluccius spp - Hakes



Length- frequency distribution and length-weight relationship in *M.hubbsi* in trawler fleets in 2007

Genypterus blacodes - Kingclip

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2008 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| СО | 25 | | | | | | | | | |
| LO | | | | | | | | | 64 | |
| TR | 2192 | 2602 | 1875 | 1625 | 1224 | 1274 | 1841 | 1936 | 2757 | 3584 |
| | 2217 | 2602 | 1875 | 1625 | 1224 | 1275 | 1841 | 1936 | 2821 | 3584 |

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

| Table K.2 Total catch (tonnes) by month and year | Table K | .2 Total | catch (tonne | s) by month | and year |
|--------------------------------------------------|---------|----------|--------------|-------------|----------|
|--------------------------------------------------|---------|----------|--------------|-------------|----------|

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| January | 33 | 18 | 55 | 64 | 8 | 21 | 54 | 3 | 57 | 84 |
| February | 59 | 51 | 125 | 79 | 57 | 110 | 192 | 149 | 213 | 327 |
| March | 249 | 217 | 126 | 95 | 282 | 29 | 114 | 56 | 173 | 370 |
| April | 360 | 443 | 280 | 319 | 234 | 143 | 289 | 84 | 322 | 460 |
| May | 503 | 360 | 166 | 259 | 85 | 102 | 172 | 73 | 221 | 330 |
| June | 83 | 108 | 26 | 36 | 20 | 28 | 19 | 29 | 35 | 60 |
| July | 58 | 133 | 178 | 36 | 1 | 16 | 95 | 58 | 77 | 204 |
| August | 277 | 401 | 313 | 177 | 58 | 141 | 263 | 291 | 405 | 709 |
| September | 260 | 363 | 259 | 154 | 45 | 271 | 144 | 350 | 530 | 494 |
| October | 180 | 347 | 158 | 202 | 225 | 224 | 354 | 523 | 494 | 356 |
| November | 132 | 92 | 152 | 193 | 169 | 154 | 132 | 255 | 253 | 164 |
| December | 23 | 69 | 39 | 12 | 40 | 36 | 12 | 65 | 41 | 25 |
| | 2217 | 2602 | 1875 | 1625 | 1224 | 1275 | 1841 | 1936 | 2821 | 3584 |

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|------|------|------|------|------|------|------|------|------|------|
| AU | 2 | 10 | | | | | | | | |
| BZ | | 15 | 87 | 8 | 0 | | | | | |
| CL | | 10 | | | | | | | | |
| EE | | | | | | | 11 | | 43 | |
| ES | 1805 | 1905 | 1154 | 1086 | 857 | 818 | 1135 | 1184 | 1701 | 2729 |
| FK | 253 | 451 | 304 | 348 | 334 | 387 | 530 | 517 | 911 | 740 |
| FR | | 0 | | | | | | | | |
| IS | | | | | | | | | | |
| JP | 2 | 1 | 2 | | 4 | 0 | 4 | 0 | 0 | 2 |
| KR | 131 | 132 | 309 | 166 | 27 | 67 | 140 | 219 | 135 | 83 |
| NA | 25 | 45 | | | | | 0 | | | |
| PA | | 2 | | | | | | | | |
| РТ | | | 13 | | | | | | | |
| RU | | | | 16 | | | | | | |
| SC | | | | | | | | | | |
| UK | 0 | 32 | 7 | 2 | 1 | 3 | 20 | 15 | 31 | 31 |
| | 2217 | 2602 | 1875 | 1625 | 1224 | 1275 | 1841 | 1936 | 2821 | 3584 |

Genypterus blacodes - Kingclip

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <400 | 25 | 26 | 64 | 24 | | | | | | |
| 400-599 | 103 | 83 | | 19 | 3 | 1 | 5 | 34 | 13 | |
| 600-799 | 432 | 370 | 371 | 408 | 305 | 224 | 127 | 102 | 215 | 459 |
| 800-999 | 373 | 395 | 285 | 146 | 70 | 186 | 325 | 225 | 333 | 564 |
| 1000-1499 | 1033 | 1233 | 974 | 838 | 661 | 680 | 921 | 1099 | 1650 | 1824 |
| 1500-1999 | 73 | 241 | 149 | 144 | 175 | 121 | 376 | 383 | 569 | 693 |
| 2000-2999 | 176 | 254 | 31 | 46 | 8 | 63 | 82 | 92 | 42 | 41 |
| >2999 | 2 | 1 | 2 | | 1 | 0 | 4 | 0 | 0 | 2 |
| | 2217 | 2602 | 1875 | 1625 | 1224 | 1275 | 1841 | 1936 | 2821 | 3584 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | |
|-------|------|------|------|------|------|------|------|------|------|------|
| <45 | 78 | 38 | | | | | | | | |
| 45-49 | 422 | 440 | 183 | 155 | 75 | 138 | 291 | 110 | 299 | 435 |
| 50-54 | 283 | 257 | 441 | 378 | 302 | 321 | 271 | 387 | 459 | 605 |
| 55-59 | 495 | 495 | 373 | 224 | 217 | 155 | 183 | 197 | 354 | 396 |
| 60-64 | 288 | 500 | 361 | 304 | 150 | 236 | 292 | 445 | 484 | 803 |
| 65-69 | 343 | 262 | 212 | 218 | 172 | 184 | 602 | 630 | 899 | 942 |
| 70-79 | 300 | 529 | 273 | 302 | 304 | 207 | 109 | 80 | 255 | 355 |
| 80-89 | 6 | 80 | 30 | 45 | 4 | 29 | 88 | 85 | 70 | 41 |
| >89 | 2 | 1 | 2 | | 1 | 5 | 4 | 1 | 0 | 7 |
| | 2217 | 2602 | 1875 | 1625 | 1224 | 1275 | 1841 | 1936 | 2821 | 3584 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <1000 | | | | | | | | | | |
| 1000-1199 | | 15 | | | | | | | | |
| 1200-1399 | 206 | 231 | 185 | 218 | 146 | 88 | | 13 | 65 | 132 |
| 1400-1599 | 460 | 367 | 258 | 178 | 161 | 229 | 377 | 232 | 609 | 858 |
| 1600-1799 | 215 | 224 | 91 | 71 | 49 | 153 | 81 | 126 | 232 | 427 |
| 1800-1999 | 796 | 884 | 635 | 589 | 518 | 469 | 876 | 884 | 1041 | 1185 |
| 2000-2499 | 256 | 414 | 393 | 272 | 236 | 185 | 296 | 394 | 677 | 826 |
| 2500-2999 | 106 | 196 | 274 | 250 | 103 | 82 | 104 | 179 | 125 | 87 |
| 3000-3999 | 176 | 269 | 38 | 47 | 7 | 62 | 101 | 105 | 72 | 51 |
| >3999 | 2 | 1 | 2 | 1 | 4 | 8 | 5 | 3 | 1 | 18 |
| | 2217 | 2602 | 1875 | 1625 | 1224 | 1275 | 1841 | 1936 | 2821 | 3584 |
Genypterus blacodes 2007

0011





Genypterus blacodes

Genypterus blacodes - Kingclip

Length- frequency distribution and length-weight relationship in trawler fleets in 2007



| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| СО | 4 | | | | | | | | | |
| LO | 1474 | 1801 | 1554 | 1310 | 1440 | 1455 | 1725 | 1554 | 1244 | 1407 |
| PO | | | | | | | | | 263 | 59 |
| TR | 625 | 1197 | 764 | 443 | 352 | 253 | 276 | 123 | 65 | 53 |
| | 2103 | 2998 | 2318 | 1754 | 1793 | 1707 | 2002 | 1677 | 1572 | 1519 |

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

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| January | 151 | 93 | 213 | 105 | 100 | 143 | 167 | 147 | 331 | 123 |
| February | 110 | 116 | 296 | 172 | 58 | 196 | 188 | 144 | 174 | 116 |
| March | 137 | 210 | 224 | 172 | 116 | 103 | 167 | 116 | 247 | 103 |
| April | 195 | 278 | 149 | 206 | 108 | 49 | 113 | 64 | 146 | 50 |
| May | 213 | 278 | 242 | 178 | 103 | 61 | 150 | 119 | 65 | 106 |
| June | 112 | 141 | 226 | 107 | 87 | 90 | 97 | 99 | 98 | 61 |
| July | 108 | 204 | 209 | 128 | 192 | 162 | 157 | 116 | 150 | 56 |
| August | 238 | 328 | 190 | 181 | 303 | 194 | 269 | 214 | 95 | 137 |
| September | 241 | 444 | 159 | 157 | 262 | 157 | 142 | 186 | 124 | 167 |
| October | 204 | 356 | 161 | 145 | 183 | 277 | 218 | 219 | 54 | 124 |
| November | 266 | 315 | 160 | 138 | 144 | 160 | 223 | 116 | 79 | 209 |
| December | 127 | 225 | 88 | 65 | 136 | 115 | 110 | 138 | 8 | 266 |
| | 2103 | 2988 | 2318 | 1754 | 1793 | 1707 | 2002 | 1677 | 1572 | 1519 |

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

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|------|------|------|------|------|------|------|------|------|------|
| AU | 15 | 24 | | | | | | | | |
| BZ | | 16 | 27 | 11 | 0 | | | | | |
| CL | | 5 | | | | | | | | 301 |
| EE | | | | | | | 0 | | 0 | |
| ES | 354 | 574 | 360 | 230 | 191 | 147 | 158 | 73 | 43 | 34 |
| FK | 570 | 1109 | 928 | 1460 | 1323 | 967 | 1641 | 1597 | 1264 | 1123 |
| FR | 2 | 4 | 0 | | | | | | | |
| HN | | | | | | | | | | |
| IS | | | | | | | | | | |
| JP | 3 | 1 | 1 | | 2 | 0 | 0 | | | |
| KR | 1121 | 1195 | 994 | 49 | 268 | 549 | 196 | 7 | 264 | 60 |
| NA | 21 | 28 | | | | | | | | |
| NO | | | | | | | | | | |
| NZ | | | | | | 43 | | | | |
| PA | | 1 | | | | | | | | |
| PT | | | 3 | | | | | | | |
| SC | | | - | | | | | | | |
| RU | • | • | | 0 | • | • | • | | • | • |
| UK | 17 | 30 | 6 | 3 | 8 | 1 | 6 | 0 | 1 | 1 |
| VC | 17 | 20 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| | 2103 | 2988 | 2318 | 1754 | 1793 | 1707 | 2002 | 1677 | 1572 | 1519 |

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <400 | 1104 | 1059 | 747 | 2 | 243 | 184 | 182 | | | |
| 400-599 | 34 | 43 | 75 | 1 | 2 | 346 | 0 | 0 | 0 | |
| 600-799 | 47 | 86 | 54 | 48 | 35 | 36 | 22 | 4 | 268 | 67 |
| 800-999 | 448 | 949 | 884 | 1072 | 1112 | 746 | 1564 | 1556 | 1248 | 1108 |
| 1000-1499 | 286 | 527 | 444 | 557 | 328 | 347 | 161 | 73 | 31 | 322 |
| 1500-1999 | 73 | 197 | 83 | 47 | 59 | 33 | 58 | 28 | 25 | 21 |
| 2000-2999 | 107 | 126 | 30 | 27 | 13 | 15 | 15 | 16 | 1 | 0 |
| >2999 | 3 | 1 | 1 | | | | 0 | | | |
| | 2103 | 2988 | 2318 | 1754 | 1793 | 1707 | 2002 | 1677 | 1572 | 1519 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|------|
| <45 | 387 | 788 | 551 | 358 | 136 | | | | | |
| 45-49 | 75 | 115 | 135 | 34 | 33 | 407 | 16 | 1 | 148 | 61 |
| 50-54 | 1152 | 1153 | 860 | 106 | 306 | 246 | 904 | 858 | 718 | 529 |
| 55-59 | 92 | 228 | 339 | 1020 | 1118 | 921 | 890 | 723 | 662 | 592 |
| 60-64 | 76 | 230 | 197 | 68 | 54 | 63 | 64 | 21 | 12 | 312 |
| 65-69 | 133 | 131 | 71 | 41 | 59 | 38 | 102 | 52 | 25 | 14 |
| 70-79 | 143 | 296 | 134 | 100 | 82 | 25 | 11 | 8 | 5 | 9 |
| 80-89 | 40 | 38 | 27 | 24 | 2 | 7 | 14 | 13 | 3 | 1 |
| >89 | 5 | 8 | 2 | 0 | 1 | 1 | 0 | 1 | | 0 |
| | 2103 | 2988 | 2318 | 1754 | 1793 | 1707 | 2002 | 1677 | 1572 | 1519 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <1000 | | | | | | | | | | |
| 1000-1199 | | 7 | | | | 43 | | | | |
| 1200-1399 | 50 | 57 | 28 | 21 | 11 | 3 | | 0 | 146 | 59 |
| 1400-1599 | 63 | 107 | 372 | 1029 | 1115 | 1269 | 1598 | 1572 | 1258 | 1119 |
| 1600-1799 | 1146 | 1083 | 735 | 16 | 264 | 243 | 213 | 8 | 120 | 304 |
| 1800-1999 | 182 | 330 | 254 | 165 | 129 | 84 | 123 | 56 | 31 | 14 |
| 2000-2499 | 505 | 1047 | 703 | 426 | 217 | 31 | 36 | 21 | 15 | 20 |
| 2500-2999 | 29 | 210 | 191 | 67 | 34 | 16 | 10 | 4 | 1 | 1 |
| 3000-3999 | 106 | 133 | 32 | 29 | 19 | 15 | 20 | 15 | 1 | 1 |
| >3999 | 21 | 13 | 4 | 1 | 3 | 2 | 1 | 1 | | |
| | 2103 | 2988 | 2318 | 1754 | 1793 | 1707 | 2002 | 1677 | 1572 | 1519 |

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------|------|------|------|------|------|------|------|------|------|------|
| <400 | 4 | | | | | | | | | |
| 600-799 | | | | | | | | | 263* | 59* |
| | 4 | • | • | • | • | • | • | • | 263 | 59 |

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

*- potters

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|------|
| 45-49 | | | | | | | | | 146* | 59* |
| 50-54 | 4 | | | | | | | | 117* | |
| 55-59 | | | | | | | | | | |
| | 4 | • | • | • | • | • | • | • | 263 | 59 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| 1200-1499 | | | | | | | | | 146* | 59* |
| 1600-1799 | | | | | | | | | 117* | |
| 2000-2499 | 4 | | | | | | | | | |
| | 4 | | | | | • | | | 263 | 59 |

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

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <400 | 1101 | 1012 | 724 | | 243 | 184 | 182 | | | |
| 400-599 | | | 75 | | | 346 | | | | |
| 600-799 | | | | | | | | | | |
| 800-999 | 374 | 772 | 755 | 1011 | 1070 | 723 | 1543 | 1554 | 1244 | 1106 |
| 1000-1499 | | 16 | | 299 | 127 | 202 | | | | 301 |
| | 1474 | 1801 | 1554 | 1310 | 1440 | 1455 | 1725 | 1554 | 1244 | 1407 |

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|------|
| <45 | 374 | 772 | 551 | 358 | 136 | | | • | | |
| 45-49 | | | 75 | | | 389 | | | | |
| 50-54 | 1101 | 1012 | 724 | | 243 | 184 | 849 | 838 | 587 | 516 |
| 55-59 | | 16 | 203 | 952 | 1061 | 881 | 876 | 716 | 657 | 590 |
| 60-64 | | | | | | | | | | 301 |
| | 1474 | 1801 | 1554 | 1310 | 1440 | 1455 | 1725 | 1554 | 1244 | 1407 |

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <1000 | | | | | | | | | | |
| 1000-1199 | | | | | | 43 | | | | |
| 1200-1399 | | | | | | | | | | |
| 1400-1599 | | 16 | 278 | 952 | 1061 | 1227 | 1543 | 1554 | 1244 | 1106 |
| 1600-1799 | 1101 | 1012 | 724 | | 243 | 184 | 182 | | | 301 |
| 1800-1999 | | | | | | | | | | |
| 2000-2499 | 374 | 772 | 551 | 358 | 136 | | | | | |
| | 1474 | 1801 | 1554 | 1310 | 1440 | 1455 | 1725 | 1554 | 1244 | 1407 |

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

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

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <400 | | 1 | 23 | 2 | | | 0 | | | |
| 400-599 | 34 | 43 | | 1 | 2 | 0 | 0 | 0 | 0 | |
| 600-799 | 47 | 86 | 54 | 48 | 35 | 36 | 22 | 4 | 5 | 8 |
| 800-999 | 74 | 177 | 130 | 61 | 42 | 23 | 20 | 2 | 4 | 2 |
| 1000-1499 | 286 | 511 | 444 | 258 | 200 | 146 | 161 | 73 | 31 | 21 |
| 1500-1999 | 73 | 197 | 83 | 47 | 59 | 33 | 58 | 28 | 25 | 21 |
| 2000-3999 | 107 | 126 | 30 | 27 | 15 | 15 | 15 | 16 | 1 | 0 |
| >3999 | 3 | 1 | 1 | | | | 0 | | | |
| | 625 | 1142 | 764 | 443 | 352 | 253 | 276 | 123 | 65 | 53 |

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|------|
| <45 | 13 | 15 | | | | | | | | |
| 45-49 | 75 | 115 | 60 | 34 | 33 | 18 | 16 | 1 | 2 | 2 |
| 50-54 | 48 | 141 | 136 | 106 | 63 | 62 | 55 | 20 | 14 | 13 |
| 55-59 | 92 | 166 | 136 | 69 | 57 | 39 | 13 | 7 | 5 | 2 |
| 60-64 | 76 | 230 | 197 | 68 | 54 | 62 | 64 | 21 | 12 | 12 |
| 65-69 | 133 | 131 | 71 | 41 | 59 | 38 | 102 | 52 | 25 | 14 |
| 70-79 | 143 | 296 | 134 | 100 | 82 | 25 | 11 | 8 | 5 | 9 |
| 80-89 | 40 | 38 | 27 | 24 | 2 | 7 | 14 | 13 | 3 | 1 |
| >89 | 5 | 8 | 2 | 0 | 1 | 1 | | 1 | | 0 |
| | 625 | 1142 | 764 | 443 | 352 | 253 | 276 | 123 | 65 | 53 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <1000 | | | | | | | | | | |
| 1000-1199 | | 7 | • | | | | | | | |
| 1200-1399 | 50 | 57 | 28 | 21 | 11 | 3 | | 0 | | |
| 1400-1599 | 63 | 91 | 93 | 77 | 54 | 42 | 55 | 19 | 14 | 13 |
| 1600-1799 | 46 | 71 | 11 | 16 | 21 | 58 | 31 | 8 | 3 | 3 |
| 1800-1999 | 182 | 330 | 254 | 165 | 129 | 84 | 123 | 56 | 31 | 14 |
| 2000-2499 | 128 | 274 | 151 | 68 | 81 | 31 | 36 | 21 | 15 | 20 |
| 2500-2999 | 29 | 165 | 191 | 67 | 34 | 16 | 10 | 4 | 1 | 1 |
| 3000-3999 | 106 | 133 | 32 | 29 | 19 | 15 | 20 | 15 | 1 | 1 |
| >3999 | 21 | 13 | 4 | 1 | 3 | 2 | 1 | 1 | | |
| | 625 | 1142 | 764 | 443 | 352 | 253 | 276 | 123 | 65 | 53 |



2007



Catch (mt) by grid square

47°S ΡZ ΑY

ΥX AW

AV ٩N



Dissostichus eleginoides

57% 52 W

50 W

N₀ to

25 W

W-99

₩~75

Length- frequency distribution and length-weight relationship in longliner fleet in 2007



Length- frequency distribution and length-weight relationship in trawler fleets in 2007



Rajidae - Skates and Rays

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| CO | 16 | | | | | | | | | |
| LO | 82 | 76 | 161 | 101 | 96 | 152 | 168 | 75 | 150 | 42 |
| РО | | | | | | | | | 0 | |
| TR | 979 | 4709 | 3691 | 4207 | 3268 | 3836 | 4983 | 5623 | 4529 | 5610 |
| | 1077 | 4785 | 3853 | 4309 | 3364 | 3988 | 5151 | 5698 | 4679 | 5653 |

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

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

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| January | 41 | 9 | 217 | 199 | 196 | 32 | 1257 | 92 | 86 | 108 |
| February | 46 | 35 | 669 | 208 | 49 | 404 | 159 | 423 | 160 | 173 |
| March | 80 | 58 | 118 | 72 | 202 | 139 | 95 | 83 | 80 | 179 |
| April | 74 | 104 | 106 | 127 | 170 | 77 | 113 | 56 | 134 | 176 |
| May | 96 | 80 | 71 | 110 | 115 | 195 | 148 | 165 | 122 | 190 |
| June | 22 | 33 | 42 | 42 | 175 | 223 | 142 | 21 | 32 | 122 |
| July | 48 | 358 | 77 | 104 | 22 | 459 | 93 | 566 | 133 | 394 |
| August | 121 | 1284 | 975 | 950 | 552 | 1596 | 1589 | 2267 | 1665 | 1988 |
| September | 315 | 1252 | 1035 | 881 | 1248 | 592 | 1022 | 821 | 1019 | 1109 |
| October | 138 | 892 | 327 | 1294 | 431 | 161 | 352 | 490 | 881 | 723 |
| November | 78 | 392 | 178 | 306 | 168 | 81 | 59 | 590 | 305 | 141 |
| December | 19 | 289 | 38 | 16 | 35 | 29 | 120 | 125 | 62 | 350 |
| | 1077 | 4785 | 3853 | 4309 | 3364 | 3988 | 5151 | 5698 | 4679 | 5653 |

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|----------------------|------|------|------|------|------|------|------|------|------|------|
| AU | 3 | 23 | | | | | | | | |
| BZ | | 528 | 48 | 201 | 10 | | | | | |
| CL | 0 | | | | | | | | | 12 |
| EE | | | | | | | 4 | | 11 | |
| ES | 455 | 440 | 415 | 430 | 555 | 412 | 515 | 634 | 1160 | 1749 |
| FK | 216 | 314 | 353 | 417 | 474 | 320 | 653 | 612 | 770 | 675 |
| FR | 1 | 0 | 0 | | | | | | | |
| HN | | | | | | | | | | |
| IS | | | | | | | | | | |
| IT | | | | | | | | | | |
| JP | 11 | 3 | | | 0 | | 1 | | | |
| KR | 369 | 3408 | 3019 | 3218 | 2304 | 3241 | 3937 | 4413 | 2720 | 3183 |
| NA | 14 | 12 | | | | | | | | |
| NZ | | | | | | 4 | | | | |
| PA | | 18 | | | | | | | | |
| РТ | | | 0 | | | | | | | |
| RU | | | | 12 | | | | | | |
| UK | 7 | 40 | 17 | 26 | 19 | 5 | 16 | 16 | 11 | 34 |
| UY | 0 | | | 5 | 2 | 5 | 24 | 23 | 6 | |
| VC | | | | 0 | | | | | | |
| | 1077 | 4785 | 3853 | 4309 | 3364 | 3988 | 5151 | 5698 | 4679 | 5653 |

Rajidae - Skates and Rays

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <400 | 81 | 859 | 659 | 485 | 31 | 34 | 43 | | | |
| 400-599 | 21 | 12 | 7 | 281 | 248 | 272 | 241 | 404 | 209 | |
| 600-799 | 79 | 1143 | 228 | 1425 | 707 | 1194 | 889 | 918 | 531 | 1234 |
| 800-999 | 112 | 1569 | 1615 | 1017 | 1250 | 1571 | 2636 | 2568 | 1861 | 1994 |
| 1000-1499 | 624 | 907 | 1197 | 949 | 805 | 636 | 904 | 1103 | 1713 | 1913 |
| 1500-1999 | 59 | 177 | 85 | 94 | 255 | 222 | 147 | 163 | 208 | 462 |
| 2000-2999 | 89 | 116 | 63 | 57 | 68 | 58 | 288 | 542 | 156 | 50 |
| >2999 | 11 | 3 | | • | 0 | | 1 | | | • |
| | 1077 | 4785 | 3853 | 4309 | 3364 | 3988 | 5151 | 5698 | 4679 | 5653 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|------|
| <45 | 24 | 35 | 74 | 47 | 15 | 1 | | | | |
| 45-49 | 78 | 59 | 48 | 701 | 427 | 905 | 636 | 661 | 529 | 1027 |
| 50-54 | 174 | 2658 | 1765 | 1993 | 1792 | 2002 | 2938 | 3228 | 1951 | 1988 |
| 55-59 | 128 | 949 | 796 | 691 | 259 | 328 | 479 | 371 | 689 | 776 |
| 60-64 | 349 | 656 | 821 | 537 | 343 | 350 | 316 | 410 | 670 | 760 |
| 65-69 | 156 | 143 | 143 | 145 | 176 | 127 | 420 | 448 | 558 | 799 |
| 70-79 | 110 | 245 | 163 | 165 | 323 | 255 | 288 | 472 | 241 | 258 |
| 80-89 | 47 | 34 | 36 | 31 | 26 | 20 | 71 | 108 | 40 | 42 |
| >89 | 12 | 6 | 6 | | 1 | | 1 | | 0 | 1 |
| | 1077 | 4785 | 3853 | 4309 | 3364 | 3988 | 5151 | 5698 | 4679 | 5653 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <1000 | | | | 5 | 2 | 1 | | | | |
| 1000-1199 | | 7 | | | | 4 | | | | |
| 1200-1399 | 40 | 34 | 44 | 31 | 78 | 12 | | 15 | 41 | 57 |
| 1400-1599 | 78 | 62 | 86 | 166 | 230 | 269 | 361 | 340 | 590 | 513 |
| 1600-1799 | 150 | 99 | 80 | 43 | 94 | 88 | 101 | 34 | 146 | 148 |
| 1800-1999 | 279 | 241 | 318 | 343 | 362 | 281 | 400 | 486 | 728 | 985 |
| 2000-2499 | 120 | 1336 | 869 | 876 | 435 | 487 | 840 | 826 | 882 | 1042 |
| 2500-2999 | 303 | 2854 | 2377 | 2762 | 1934 | 2638 | 3143 | 3439 | 2126 | 2826 |
| 3000-3999 | 68 | 137 | 53 | 75 | 221 | 208 | 299 | 555 | 160 | 81 |
| >3999 | 40 | 16 | 27 | 8 | 6 | 0 | 7 | 3 | 6 | 1 |
| | 1077 | 4785 | 3853 | 4309 | 3364 | 3988 | 5151 | 5698 | 4679 | 5653 |

Rajidae



Rajidae - Skates and Rays

Length- frequency distribution and length-weight relationship in 2007 for Bathyraja brachiurops



Zygochlamys patagonica - Scallop

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| TR | • | • | • | 76 | 59 | 685 | 1279 | 1358 | 1161 | 14* |
| | • | • | • | 76 | 59 | 685 | 1279 | 1358 | 1161 | 14* |

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

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

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| January | | | | | 59 | | 441 | 420 | 342 | |
| February | | | | | | | 250 | 207 | 273 | 0 |
| March | | | | | | | 519 | 574 | 450 | 8 |
| April | | | | | | | | 75 | 18 | 4 |
| May | | | | | | 29 | | | 74 | |
| June | | | | | | 12 | | | | |
| July | | | | | | | | 0 | | 0 |
| August | | | | | | | | 0 | | 1 |
| September | | | | | | | | | | |
| October | | | | | | | 41 | | | |
| November | | | | | | 440 | 28 | 81 | 5 | |
| December | | | | 76 | | 204 | | • | | |
| | • | | • | 76 | 59 | 685 | 1279 | 1358 | 1161 | 14 |

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

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|------|------|------|------|------|------|------|------|------|------|
| FK | | | | | | | | 12 | 7 | 13 |
| PA | | | | | | | | | | 1 |
| UK | | | | | | | | 1 | 3 | 0 |
| UY | | | | 76 | 59 | 685 | 1279 | 1346 | 1152 | |
| | • | | | 76 | 59 | 685 | 1279 | 1358 | 1161 | 14 |

Zygochlamys patagonica - Scallop

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <400 | | | | 76 | 59 | 41 | | | | |
| 400-599 | | | | | | 644 | 1279 | 1346 | 1152 | |
| 600-799 | | | | | | | | | | |
| 800-999 | | | | | | | | | | |
| 1000-1499 | | | | | | | | | | 1 |
| 1500-1999 | | | | | | | | 1 | 3 | 0 |
| 2000-2999 | | | | | | | | 11 | 7 | 13 |
| >2999 | • | • | • | | • | | | | | |
| | • | • | • | 76 | 59 | 685 | 1279 | 1358 | 1161 | 14 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|------|------|------|
| <45 | | | | 76 | 59 | 41 | | | | |
| 45-49 | | | | | | | | | | |
| 50-54 | | | | | | 644 | 1279 | 1346 | 1152 | |
| 55-59 | | | | | | | | 4 | | |
| 60-64 | | | | | | | | 1 | 2 | |
| 65-69 | | | | | | | | 7 | 3 | 0 |
| 70-79 | | | | | | | | 1 | 4 | 1 |
| 80-89 | | | | | | | | | 1 | 12 |
| >89 | | | | | | | | | | 0 |
| | | • | • | 76 | 59 | 685 | 1279 | 1358 | 1661 | 14 |

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

| ВНР | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| <1000 | | | | 76 | 59 | 41 | | | | |
| 1000-1199 | | | | | | | | | | |
| 1200-1399 | | | | | | | | | | |
| 1400-1599 | | | | | | | | | | |
| 1600-1799 | | | | | | | | | | |
| 1800-1999 | | | | | | | | | | |
| 2000-2499 | | | | | | 644 | 1279 | 1347 | 1152 | |
| 2500-2999 | | | | | | | | | | 1 |
| 3000-3999 | | | | | | | | 12 | 9 | 13 |
| >3999 | • | | • | • | | | • | | | |
| | • | • | • | 76 | 59 | 685 | 1279 | 1358 | 1161 | 14 |

Others

| VESSEL TYPE | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------|------|------|------|------|------|------|------|-------|-------|-------|
| СО | 1 | | | | | | | | 33* | |
| LO | 231 | 200 | 377 | 272 | 217 | 225 | 183 | 163 | 152 | 115 |
| TR | 3211 | 4501 | 3660 | 1746 | 1025 | 1523 | 4897 | 10554 | 21830 | 31714 |
| | 3443 | 4701 | 4037 | 2018 | 1242 | 1748 | 5081 | 10717 | 22015 | 31828 |

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

*-potters

| MONTH | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|-------|-------|-------|
| January | 150 | 63 | 206 | 117 | 28 | 63 | 147 | 19 | 455 | 588 |
| February | 713 | 91 | 441 | 269 | 73 | 155 | 770 | 838 | 3265 | 3340 |
| March | 324 | 209 | 407 | 255 | 158 | 61 | 508 | 476 | 2687 | 4021 |
| April | 306 | 421 | 467 | 450 | 203 | 82 | 716 | 373 | 3193 | 3856 |
| May | 348 | 659 | 489 | 189 | 47 | 73 | 495 | 645 | 2080 | 4509 |
| June | 151 | 41 | 119 | 30 | 19 | 21 | 59 | 146 | 631 | 557 |
| July | 8 | 74 | 130 | 24 | 28 | 44 | 273 | 217 | 814 | 2473 |
| August | 252 | 418 | 329 | 94 | 178 | 81 | 657 | 1252 | 2306 | 3501 |
| September | 592 | 861 | 491 | 142 | 183 | 239 | 622 | 2920 | 1905 | 3812 |
| October | 418 | 1433 | 653 | 296 | 154 | 552 | 547 | 1001 | 2013 | 2765 |
| November | 143 | 218 | 215 | 131 | 78 | 296 | 264 | 2617 | 2433 | 1987 |
| December | 36 | 213 | 91 | 22 | 93 | 82 | 23 | 213 | 232 | 419 |
| | 3443 | 4701 | 4037 | 2018 | 1242 | 1748 | 5081 | 10717 | 22015 | 31828 |

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

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

| Fishing fleet | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|------|------|------|------|------|------|------|-------|-------|-------|
| AU | 234 | 389 | | | | | | | | |
| BZ | | 7 | 223 | 43 | 0 | | | | | |
| CL | 9 | 0 | | | | 2 | | | | 32 |
| EE | | | | | | | 29 | | 306 | |
| ES | 1525 | 2624 | 2046 | 1011 | 496 | 850 | 2079 | 5201 | 11885 | 19433 |
| FK | 1033 | 1217 | 1344 | 774 | 624 | 686 | 2696 | 4984 | 9109 | 11337 |
| FR | 15 | | | | | | | | | |
| HN | | | | | | | | | | |
| IS | | | | | | | | | | |
| IT | | - | | | · | - | | | • | |
| JP | 388 | 116 | 9 | • | 10 | 38 | 14 | 4 | 4 | 1 |
| KR | 102 | 252 | 401 | 189 | 112 | 135 | 113 | 78 | 127 | 86 |
| NA | 14 | 96 | 101 | 107 | 112 | | 25 | | 127 | |
| NO | | | · | · | • | • | 23 | • | • | • |
| NZ | • | • | • | • | • | 22 | • | • | • | • |
| PA | | 0 | • | • | • | 22 | • | • | • | 175 |
| PL | • | 0 | • | • | • | • | • | • | • | 175 |
| PT | • | • | 2 | • | • | | | | • | • |
| | • | • | 2 | | • | • | • | • | • | • |
| RU | • | • | • | 0 | • | • | • | • | • | • |
| SC | • | • | | • | • | | | | | • |
| UY | 104 | 0 | 10 | | | 1.7 | 105 | 0 | 11 | |
| UK | 124 | 0 | 13 | | | 15 | 125 | 450 | 573 | 764 |
| | 3443 | 4701 | 4037 | 2018 | 1242 | 1748 | 5081 | 10717 | 22015 | 31828 |

Others

| GRT | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|-------|-------|-------|
| <400 | 100 | 101 | 76 | 25 | 48 | 38 | 26 | 0 | | 0 |
| 400-599 | 21 | 97 | 15 | 28 | 2 | 54 | 5 | 18 | 18 | |
| 600-799 | 258 | 267 | 295 | 129 | 81 | 125 | 98 | 127 | 776 | 2496 |
| 800-999 | 182 | 709 | 603 | 443 | 296 | 199 | 498 | 648 | 1949 | 2675 |
| 1000-1499 | 1365 | 2334 | 2361 | 1156 | 464 | 909 | 2960 | 5520 | 11762 | 16780 |
| 1500-1999 | 371 | 506 | 320 | 70 | 170 | 232 | 789 | 2212 | 4464 | 6202 |
| 2000-2999 | 750 | 571 | 358 | 166 | 172 | 174 | 684 | 2188 | 3043 | 3657 |
| >2999 | 396 | 116 | 9 | • | 10 | 17 | 14 | 4 | 4 | 18 |
| | 3443 | 4701 | 4037 | 2018 | 1242 | 1748 | 5081 | 10717 | 22015 | 31828 |

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

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

| LOA | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|------|-------|-------|-------|
| <45 | 138 | 144 | 240 | 112 | 61 | | 0 | 0 | | |
| 45-49 | 96 | 529 | 209 | 127 | 92 | 147 | 337 | 404 | 1938 | 3167 |
| 50-54 | 474 | 587 | 766 | 376 | 231 | 271 | 708 | 1457 | 3176 | 2969 |
| 55-59 | 130 | 435 | 565 | 440 | 200 | 393 | 249 | 673 | 2215 | 2658 |
| 60-64 | 360 | 726 | 856 | 291 | 126 | 237 | 1368 | 2677 | 4921 | 8218 |
| 65-69 | 813 | 734 | 478 | 304 | 161 | 345 | 1595 | 3179 | 5220 | 8628 |
| 70-79 | 725 | 1358 | 757 | 281 | 319 | 263 | 442 | 941 | 2561 | 4493 |
| 80-89 | 282 | 60 | 77 | 54 | 16 | 43 | 356 | 1328 | 1613 | 1399 |
| >89 | 424 | 127 | 89 | 33 | 37 | 49 | 27 | 58 | 371 | 296 |
| | 3443 | 4701 | 4037 | 2018 | 1242 | 1748 | 5081 | 10717 | 22015 | 31828 |

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

| BHP | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-----------|------|------|------|------|------|------|------|-------|-------|-------|
| <1000 | | | | | | | 0 | 0 | | |
| 1000-1199 | | 13 | | | | 22 | | 0 | | |
| 1200-1399 | 41 | 137 | 120 | 53 | 48 | 93 | | 50 | 438 | 1615 |
| 1400-1599 | 159 | 361 | 547 | 422 | 240 | 250 | 627 | 890 | 3282 | 2395 |
| 1600-1799 | 395 | 431 | 172 | 39 | 98 | 158 | 638 | 1152 | 2974 | 5263 |
| 1800-1999 | 806 | 1523 | 1424 | 733 | 262 | 621 | 1778 | 3881 | 7174 | 10715 |
| 2000-2499 | 715 | 1116 | 841 | 290 | 334 | 304 | 1096 | 1816 | 3970 | 6855 |
| 2500-2999 | 56 | 433 | 554 | 314 | 75 | 92 | 110 | 108 | 440 | 512 |
| 3000-3999 | 768 | 560 | 266 | 113 | 143 | 151 | 776 | 2367 | 2917 | 3899 |
| >3999 | 503 | 127 | 114 | 54 | 42 | 57 | 56 | 453 | 820 | 576 |
| | 3443 | 4701 | 4037 | 2018 | 1242 | 1748 | 5081 | 10717 | 22015 | 31828 |

| Common name | Latin name | Catch |
|----------------------|-------------------------|-------|
| Blue Antimora | Antimora rostrata | 16 |
| Butterfish | Stromateus brasiliensis | 6 |
| Crab | Lithodidae | 25 |
| Dogfish, Spurdog | Squalus acanthias | 9 |
| Falkland Herring | Sprattus fuegensis | 9 |
| Frogmouth | Cottoperca gobio | 30 |
| Greater Hooked Squid | Moroteuthis ingens | 71 |
| Grenadier | Macrouridae | 622 |
| lcefish | Chamsocephalus esox | 2 |
| Lobster Krill | Munida spp | 348 |
| Moonfish | Lampris immaculatus | 1 |
| Pomfret Bream | Brama dussumieri | 0 |
| Porbeagle | Lamna nasus | 2 |
| Red Fish | Sebastes oculatus | 24 |
| Rock Cod | Patagonotothen spp. | 30157 |
| Scallops | Zygochlamys patagonica | 14 |
| Scampi/Crayfish | Thysmops birsteini | 11 |
| Others | | 483 |
| Total | | 31828 |

Table O.7 Total catch (tonnes) of others by species in 2007



Other



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Patagonotothen ramsayi—Rock Cod





FALKLAND ISLANDS COMMERCIAL FISH & SHELLFISH

