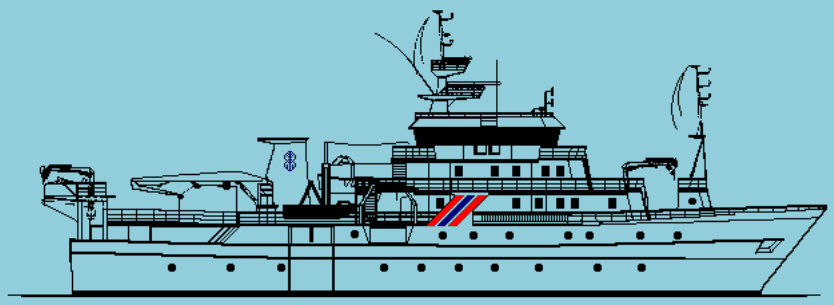

# 2011 BCC SURVEY NO. 1

## TRANSBOUNDARY SURVEY BETWEEN NAMIBIA AND SOUTH AFRICA WITH FOCUS ON THE SHARED STOCKS OF DEEP WATER HAKE

**Cruise report No 1/2011**

**10 January – 16 February 2011**

**by**

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Bergen, September 2011

## THE EAF-NANSEN PROJECT

FAO started the implementation of the project "Strengthening the Knowledge Base for and Implementing an Ecosystem Approach to Marine Fisheries in Developing Countries (EAF-Nansen GCP/INT/003/NOR)" in December 2006 with funding from the Norwegian Agency for Development Cooperation (Norad). The EAF-Nansen project is a follow-up to earlier projects/programmes in a partnership involving FAO, Norad and the Institute of Marine Research (IMR), Bergen, Norway on assessment and management of marine fishery resources in developing countries. The project works in partnership with governments and also GEF-supported Large Marine Ecosystem (LME) projects and other projects that have the potential to contribute to some components of the EAF-Nansen project.

The EAF-Nansen project offers an opportunity to coastal countries in sub-Saharan Africa, working in partnership with the project, to receive technical support from FAO for the development of national and regional frameworks for the implementation of Ecosystem Approach to Fisheries management and to acquire additional knowledge on their marine ecosystems for their use in planning and monitoring. The project contributes to building the capacity of national fisheries management administrations in ecological risk assessment methods to identify critical management issues and in the preparation, operationalization and tracking the progress of implementation of fisheries management plans consistent with the ecosystem approach to fisheries.

## LE PROJET EAF-NANSEN

La FAO a initié la mise en oeuvre du projet "Renforcement de la base des connaissances pour mettre en œuvre une approche écosystémique des pêcheries marines dans les pays en développement (EAF-Nansen GCP/INT/003/NOR)" en décembre 2006. Le projet est financé par de l'Agence norvégienne de coopération pour le développement (Norad). Le projet EAF-Nansen fait suite aux précédents projets/ programmes dans le cadre du partenariat entre la FAO, Norad et l'Institut de recherche marine (IMR) de Bergen en Norvège, sur l'évaluation et l'aménagement des ressources halieutiques dans les pays en développement. Le projet est mis en oeuvre en partenariat avec les gouvernements et en collaboration avec les projets grands écosystèmes marins (GEM) soutenus par le Fonds pour l'Environnement Mondial (FEM) et d'autres projets régionaux qui ont le potentiel de contribuer à certains éléments du projet EAF-Nansen.

Le projet EAF-Nansen offre l'opportunité aux pays côtiers de l'Afrique subsaharienne partenaires de recevoir un appui technique de la FAO pour le développement de cadres nationaux et régionaux visant une approche écosystémique de l'aménagement des pêches et la possibilité d'acquérir des connaissances complémentaires sur leurs écosystèmes marins. Ces éléments seront utilisés pour la planification et le suivi des pêcheries et de leurs écosystèmes. Le projet contribue à renforcer les capacités des administrations nationales responsables de l'aménagement des pêches en introduisant des méthodes d'évaluation des risques écologiques pour identifier les questions d'aménagement d'importance majeure ainsi que la préparation, la mise en œuvre et le suivi des progrès de la mise en œuvre de plans d'aménagement des ressources marines conformes à l'approche écosystémique des pêches.

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# 1 Introduction

One of the key areas of the BCLME focus has been the monitoring/assessment of major transboundary fish resources in the BCLME region to enable sustainable management of these resources. The biological and ecological dynamics of deepwater hake have come under spotlight in stock assessment of these resources. The BCLME programme has therefore been involved in supporting appropriate research that could contribute to improved conservation and management efforts of this transboundary fish resource. This led in 2003 to the first coordinated survey of the hake resources in the West Coast of South Africa using similar gear and methods as for the Namibian trawl surveys running since 1990. This enabled joint analysis of fish distribution and abundance with a special focus on the shared stock of deep water hake, M*. paradoxus*. This survey was repeated in 2005 under BCLME. During the bridging phase of the BENEFIT project (2006-2007) the BENEFIT resources working group emphasised the long term needs for the management of the transboundary stocks and recommended to continue the joint surveys with Namibia early in the year as a high priority for the years 2006 and 2007. Both BENEFIT and BCLME came to close at the end 2007 while the following Benguela Current Commission did not become functional before August 2008. In the interim period an interim steering committee decided it was vital to upheld the time series on the shared stocks of hake and requested the FAO to assist through the EAF-Nansen Programme with a survey in the beginning of 2008. The same request was repeated in late 2008 for a survey in 2009. In a Regional Steering Committee meeting for the EAF-Nansen project in the BCC held in Windhoek in October 2009 the representatives of BCC, Namibia and South-Africa emphasised that it was a priority for the BCC to continue the timeseries. The time series now thus comprise the years 2003 and 2005 - 2011.

In a meeting at MCM in December 2009, an idea was raised that one should include the south coast in the regional survey in order to better assess the fraction and condition of the deep water hake stock beyond Cape Agulhas. The proposal received the approval of BCC and therefore it was decided to extend the survey with 21 days in order to cover the south coast in a continuous survey, and to forego a planned survey on spawning activity, originally scheduled for later in the year.

Specific objectives of this survey are:

1. To plan and conduct a transboundary survey from Port Alfred to Orange River to produce distribution maps and abundance estimates of the two species of hake to be later merged with similar data from a co-occurring Namibian national demersal survey, to enable complete mapping and assessment of shared stocks, thus providing a measure of the degree of sharing of the stocks at the time of the survey.
2. To collect data on the maturity stages of the hakes to check for possible spawning activity.
3. To collect other relevant data to better understand the environment impact on the distribution of hakes, and the fish community structure in the distribution areas of the hake.

## 2 Materials and methods

### 2.1 Registration of weather conditions

The underway weather data aboard Dr. Fridtjof Nansen are logged with the Aanderaa Weather Station unit fitted with the following sensors:

| Sensor type | Measurement units |
|---|---|
| Air temperature | Degrees °C |
| Wind speed | M/s |
| Solar radiation | $W/m^2$ |
| Wind direction | Degrees re. the magnetic N. Pole |
| Sea surface temperature | Degrees °C |

All sensors but Sea surface temperature (SST) are mounted on a mast positioned midships, at about 20 meters above the sea level. The SST sensor is located at the intake of the water for cooling the engine and it readings are representative to a water layer at about 5 meters below the sea level.

The weather station data were logged continuously throughout the survey. The results presented in this report are based on a standard output from the logging system comprising one nautical mile averages along the ship's track.

### 2.2 Hydrography

The data on temperature salinity and oxygen were collected with a CTD *Seabird 9 plus* probe between the surface and 10 meters off the bottom. CTDs were made at each trawl station. In addition, water bottle samples for oxygen and salinity calibrations were taken at most CTD stations.

The salinity samples were analysed with the Guildline Portasal salinometer unit. The laboratory conditions onboard are suitable to detect deviations between the CTD and *in situ* samples at a level of 0.005 of salinity units. Since no deviations reaching or

exceeding this range were detected, the salinity values based on the factory calibration of the conductivity sensor are used throughout this report.

The samples for dissolved oxygen were titrated within 12 hours of sample collection, using the standard Winkler method.

## 2.3 Current measurements.

Current measurements were carried out with vessel-mounted acoustic Doppler current profiler (ADCP) by RD Instruments, which operated 150 kHz in broad-band mode with 5 m vertical cells. Currents were measured from a depth of 25 m down to about 30 meters above the bottom. Only the bottom-tracked data were used in the data analysis.

## 2.4 Acoustic measurements

### *2.4.1 Acoustic equipment*

Acoustic data were recorded using a Simrad ER60 scientific echo sounder equipped with keel-mounted transducers at nominal operating frequencies of 18, 38, 120 and 200 kHz. The survey was started without *a priori* calibration.

Acoustic data were logged and post-processed using the latest acoustic data post-processing software, the Large Scale Survey System (LSSS) Version 1.25. The technical specifications and operational settings of the echo sounder used during the survey are given in Annex 2.

### *2.4.2 Classification*

Scatterers were displayed at 38 kHz, standardized to 5 nautical miles (NM) echograms with 1,000 pings (horizontal) by 500 bins (vertical). The mean 5 NM area backscattering coefficients $s_A$ ($m^2/NM^2$) was allocated to a predefined set of species or species groups on the basis established echogram features. When concentrations of juvenile pelagic hake were encountered the $s_A$-values were stored with a 1 NM resolution.

Acoustic groups used were: a) Juvenile pelagic hake < 17 cm, b) older hake, usually demersal, c) horse mackerel, d) Pelagic group1 (pilchard, anchovies, red eye), e) Pelagic group 2 (pelagic fish not of Pelagic 1), f) demersal fish, not hake, g) mesopelagic fish, h) plankton. The classification was based on the characteristics of the echo traces, experience accumulated from previous similar surveys in Namibia since 1990 and in South Africa since 2000, supported when possible with results from nearby bottom trawl stations.

The results from the acoustic system are considered as a pilot study with the main aim of delineating the limits of distribution of juvenile pelagic hake and some information on relative densities. The figures will not be converted to biomass, as the target strength is uncertain and as the classification scheme and methods are too coarse for such a purpose. Adult hake were very rarely observed in the acoustic channel during daytime, while it showed up frequently above bottom at nighttime.

## 2.5 Trawl sampling procedures

The standard bottom trawl of Dr. Fridtjof Nansen, a Gisund Super shrimp cum fish trawl, was used in the survey.. A description of the trawl and gear is given in Annex 2. Dr. Fridtjof Nansen use a 20 m strapping on the warps 105 m in front of the doors to keep the door and wingspread constant at 50 m and 21 m respective, independent of trawl depth.

A standard haul was 30 minutes at 3 knots, sometimes reduced to 20 minutes in areas of expected high densities. The exact time for start and stop of the trawl operation was determined by SCANMAR sensors. The output from the SCANMAR system was also recorded on files to facilitate later analysis of bottom contact and door-spread if necessary.

For conversion of catch rates (kg/hour) to fish densities (t/NM$^2$), the effective fishing area was considered as the product of the wing spread and the haul length, or distance over the bottom, based on GPS readings. In the survey a nominal distance of 18.5 m was applied to facilitate analysis with previous surveys. The area swept for each haul was thus 18.5 m times the distance trawled, converted to NM$^2$. The catchability coefficient (q), i.e. the fraction of the fish encountered by the trawl that was actually caught, was conservatively assumed equal to 1, to allow comparison with previous results.

### *2.5.1 Handling the catch*

In most cases, the whole trawl catch was sorted and all species were recorded with their weight and numbers. For especially big catches the abundant species were sub-sampled while the other fish were sorted out. Length measurements (total length) were taken for target species. The length of each fish was recorded to the nearest 1 cm below. The mantle length of squid was measured to the nearest 1 cm below. All samples of small hake was checked for the species identity by vertebrae count (usually 3-5 fish were examined).

An electronic measuring board was used for length measurement, main sample weights were recorded by Scanvaegt electronic balances and a Marel weight was used for single fish and small species measurements.

### *2.5.2 Biological samples*

Biological samples were collected for the two hake species in special areas. The following information were collected: Sex, maturity stage, gonad weight and stomach content. The maturity scale used was the one adopted at Marine and Coastal Management, Cape Town:

1: immature,
2: active,
3: ripe,
4: ripe and running,
5: spent and
6: inactive

## 3 Narrative

The scientific staff consisted of:

From MCM, South Africa:

Marek Lipinski (teamleader until 16.02).
Sobahle (10.01-16.02)

Interns, South Africa:

Jessica Escobar, Bernadine Everett (10-19.01).
Andrew Swingler, Vicky Johnson (10-28.01),
Danielle Boyd, Dylan Cooper, Kyle Cooper, John Dickens (10.01-16.02).
Tammy Sawers, Nina Voogt (19.01-16.02).
Melanie Smith (28.01-16.02)

From IMR, Norway:

Oddgeir Alvheim (cruise leader 10-27.01),Tore Strømme (cruise leader 28.01-16.02), Tore Mørk (instrument chief), Jan Frode Wilhelmsen (10.01-16.02).

The cruise tracks with fishing and hydrographical stations are shown in Figure 3.1.

The vessel departed Cape Town in the afternoon of 11 January, steaming south to Cape Agulhas where trawl sampling started next morning. After the first trawl haul a technical fault in the main engine made it necessary to return to Cape Town for service. About 8 days was lost as it was necessary to obtain new spare parts and for this reason the survey was rescheduled and prolonged in order to fulfil the objectives. Sampling work resumed in the afternoon of 20 January with one trawl station off Cape Town where after the vessel during the night returned to complete the sampling in the south. On 28$^{th}$ January, again on par with Cape Town a short call was made at anchorage for partial exchange of scientist. The work proceeded northwards from Saldanha Bay northwards in a regular transect pattern until the border with Namibia where the last trawl station was completed in shallow waters around noon of 14 February. The vessel then steamed north and underway did with two pelagic hauls in Namibian waters in an attempt to catch live gobies on special request from scientists in Swakopmund. The survey was completed with arrival in Walvis Bay on the morning of 16 February.

The weather conditions were, during the work south of Cape Town, for long periods unfavourable with strong winds and heavy swell, but the trawling could still be carried out with caution. North of Saldana Bay the working conditions were favourable.

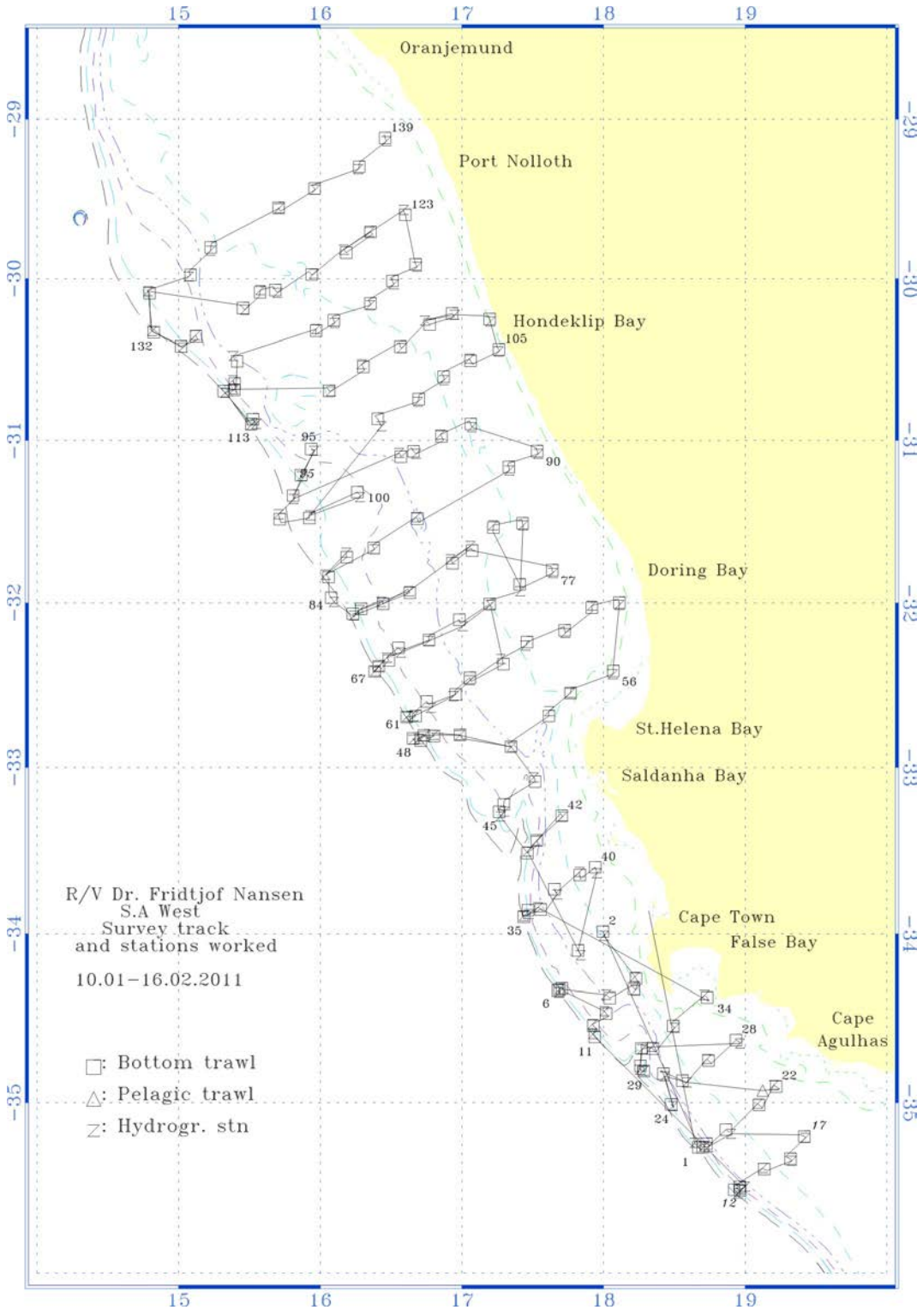



Figure 3.1 Course tracks with hydrographic and trawl stations Cape Agulhas-Orange River.

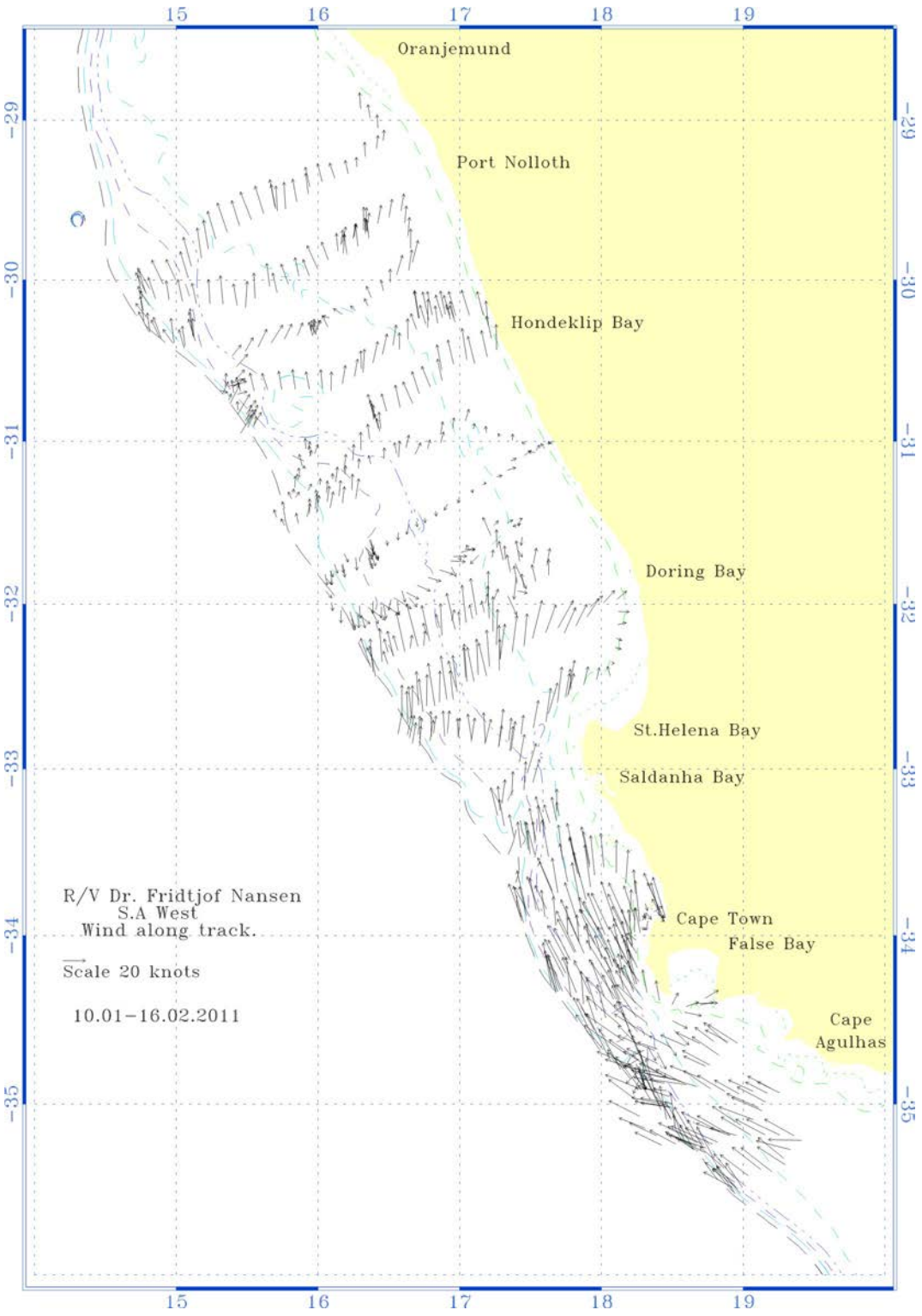



Figure 3.2 Wind conditions along the survey tracks.

# 4 Results

## 4.1 Biology

Annex 1 shows the complete record of the fishing stations. Figure 4.3 shows the distribution of deep water hake (*M. paradoxus*) in the survey area. Dense concentrations of adult fish are found on the slope between Cape Agulhas and north to Saldanha Bay, similar to the general pattern of previous years. Dense concentrations of juvenile fish are found mid-shelf between St. Helena Bay and Hondeklip Bay perhaps in a more southern distribution focus as compared to previous years. The high densities of juvenile fish do not extend north of Hondeklip Bay, in contrast to the distribution pattern prior to 2008. No spill-over of juveniles north over the Orange Banks into Namibia was observed in line with findings since 2007, indicating that the years 2003-2006 when this was observed, represents a different environment regime.

The distribution of shallow water hake (*M. capensis*) is more uniform (Fig. 4.4) and at generally low level except for aggregations of juvenile fish in the shallow waters off Cape Agulhas and Hondeklip Bay.

The density estimates from the point samples have been converted into biomass estimates by length classes. The similar data from the Namibian trawl survey running in the same period have been processed following similar procedures. The joint estimates on deep water hake are shown in Table 4.1. Figure 4.5 shows the regional distribution of deep water hake from combining the Namibian and South African data for the west coast. Figure 4.6a shows a graphical representation of the estimates by numbers of deep water hake with the Namibian estimates stacked on top of the South African while Fig 4.6b shows the % share of the biomass of the respective countries in numbers by length. There is an increased share of fish in Namibian waters from 20 cm length onto about 60cm much in line with previous years. For the 30-35cm length class the share in Namibian waters is more than 60% and around 50% for the 40-55cm length class. This is in line with the general share pattern observed in the period 2003-2009, with 2010 as an anomaly giving a much higher relative share in South African waters. Beyond 60cm the Namibian share is decreasing and from approximately 65cm more than 85% of the fish is found in South African waters. This is the same general trend as from previous surveys.

In this survey very few fish of length less than 20cm was found in Namibian waters. This is consistent with the finding that there is no fish spilling over the Orange Banks from South Africa into Namibia (Figure 4.5), in contrast to what was observed in the years 2003-2006.

Figure 4.7 shows the distribution of ‘baby’ hake 5-6cm as observed from all trawl hauls, bottom or pelagic. The fish is located mid-shelf off Port Nolloth and Hondeklip Bay, between 180 and 240m bottom depth in line with the previous years. A new aggregation of baby hake was this year observed off Cape Agulhas, perhaps derived from spawning on the south coast. Although most of the ‘baby hake’ is pelagic, its consistent presence in the bottom trawl in this area, and not outside, indicate that these are aggregation and nursery areas for the very young deep water hake. It is not mixed with shallow water hake at these locations.

Since 2009 small patches of baby hake has been observed off the Cape Peninsula (2009) and off False Bay (2010), and now (2011) off Cape Aghulhas. This indicate that there could be a minor nursery area in this region, but that it is not stable and of less importance as compared to the main area off Port Nolloth.

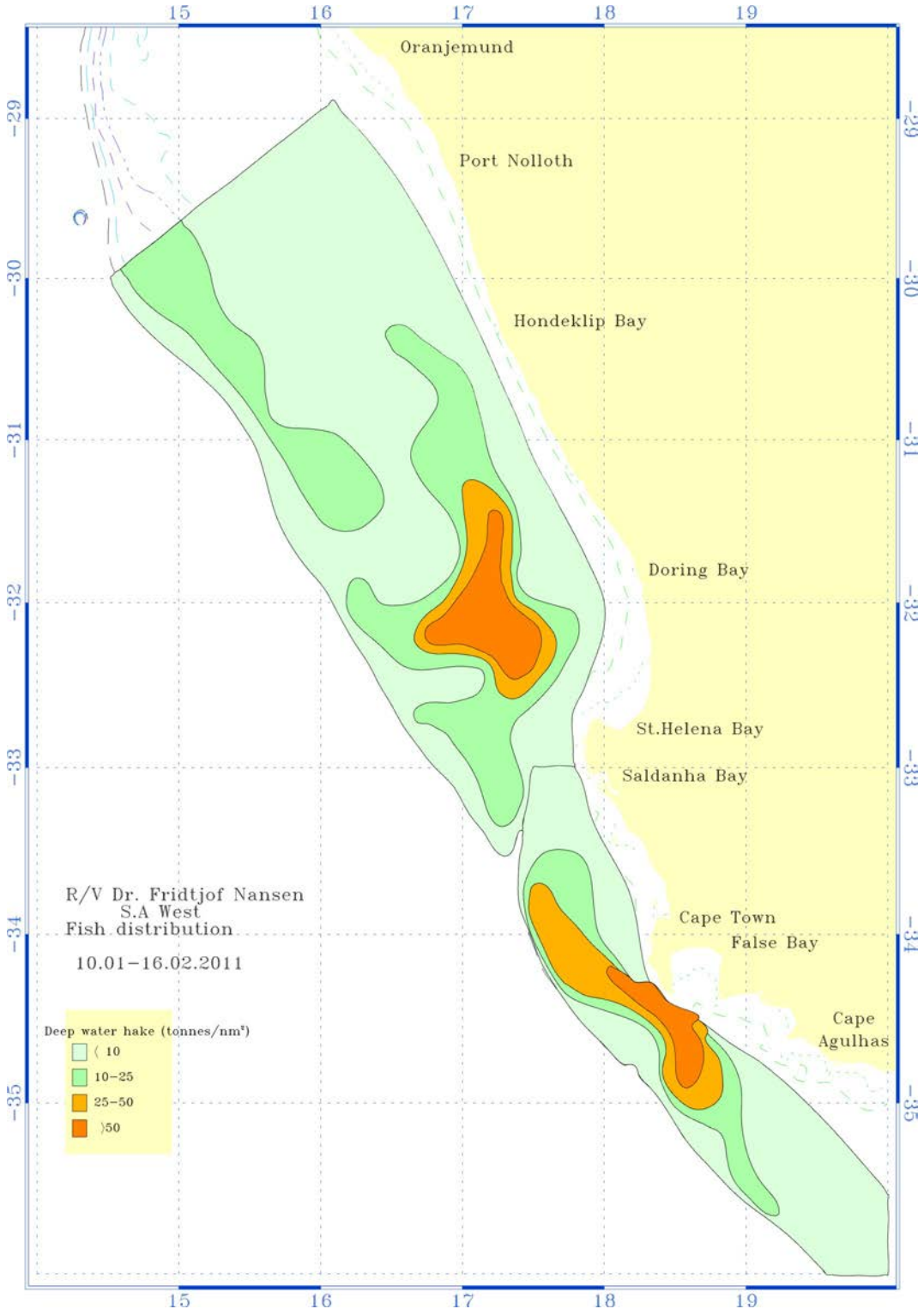



Figure 4.3 Distribution of deep-water hake (*Merluccius paradoxus*) Cape Agulhas-Orange River.

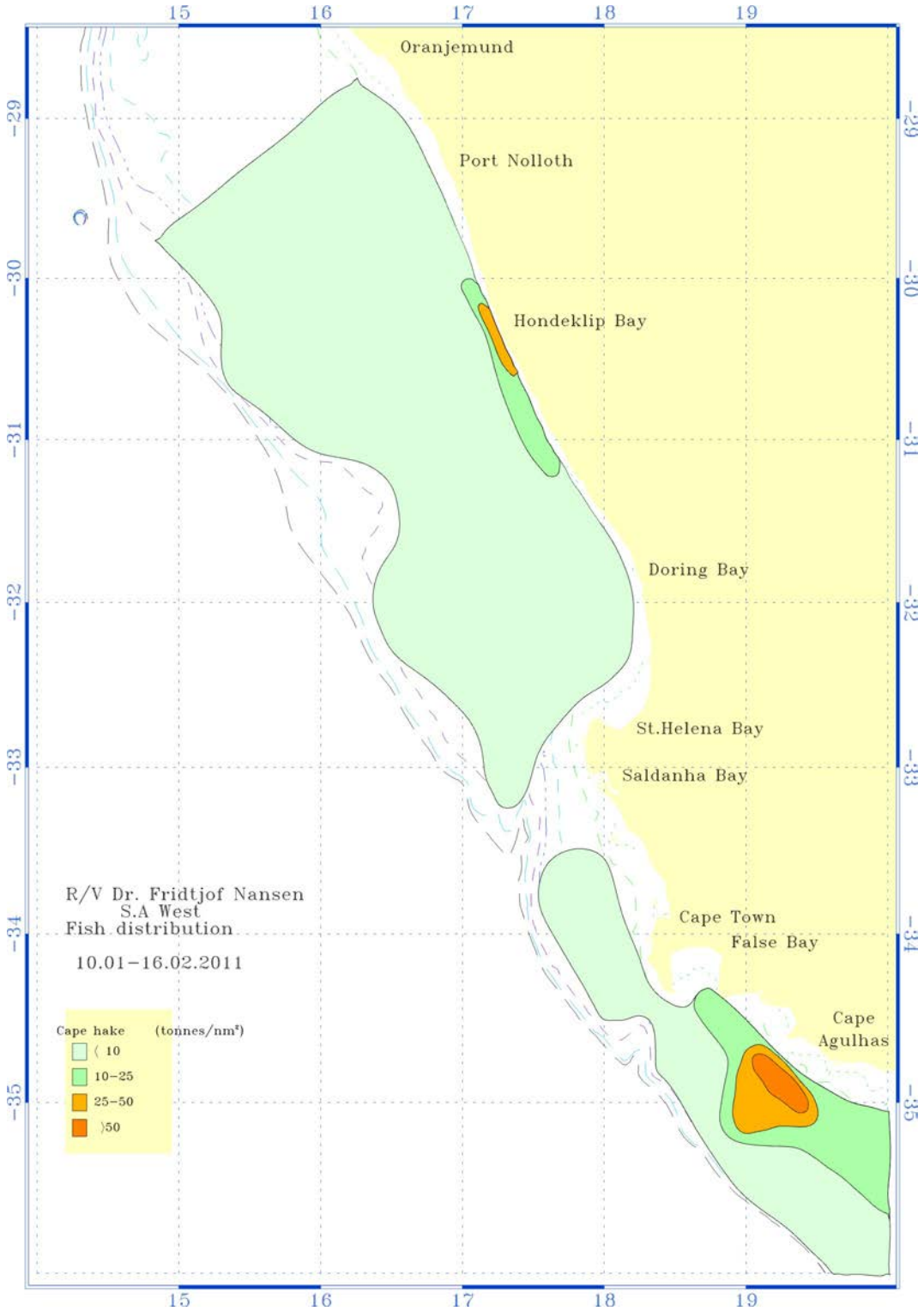



Figure 4.4 Distribution of Cape hake (*Merluccius capensis*) Cape Agulhas-Orange River.

Table 4.4 shows the biomass estimates of deep water hake split by fishable and non-fishable biomass in Namibia and South Africa west coast for the years 2003, 2005-2011. Figure 4.8a and 4.8b show the Namibian and South African biomasses plotted against each other for the non-fishable and fishable biomass respectively. The non-

fishable biomass in South Africa varies between 200 000 and 300 000 tonnes while in Namibia the range is 50 000 to 100 000 tonnes. The combined estimates of fish less than 36cm from the two countries varies from 268 thousand tonnes to 362 thousand tonnes in the period 2003-2011, which indicate a fairly stable system consistently providing new recruits into the adult biomass. The 2011 country-combined estimate of 341 thousand tonnes is in the upper range in the observed period. Added that the 2010 estimate was the highest recorded, 362 thousand tonnes, this indicate that recruitment in the transboundary deep water hake stock has been higher than average in the later years.

The fishable biomass, Figure 4.8b shows a relative stable level in the years 2003, 2005 and 2006. The gradual increase in the biomass 2007-2009 seems to indicate close to a linear relationship between the two countries' share of the biomass. In 2010 there was

Table 4.1 Regional abundance estimates of *M. paradoxus.* (2011)

| Length | Biomass in tonnes | | | Number in millions | | |
|---|---|---|---|---|---|---|
| | Namibia | S. Africa | Total | Namibia | S. Africa | Total |
| 0 | 0 | 0 | 0 | 0.0 | 0.2 | 0.2 |
| 5 | 20 | 772 | 791 | 3.8 | 184.9 | 188.7 |
| 10 | 920 | 7125 | 8045 | 58.1 | 540.0 | 598.1 |
| 15 | 1912 | 30790 | 32702 | 59.2 | 819.7 | 878.9 |
| 20 | 22834 | 109048 | 131882 | 287.3 | 1545.9 | 1833.2 |
| 25 | 30990 | 48178 | 79168 | 236.1 | 363.7 | 599.7 |
| 30 | 39631 | 35192 | 74823 | 179.0 | 166.4 | 345.4 |
| 35 | 49870 | 34553 | 84424 | 146.4 | 100.8 | 247.3 |
| 40 | 31782 | 30808 | 62590 | 65.3 | 63.3 | 128.6 |
| 45 | 22967 | 24601 | 47568 | 33.6 | 35.9 | 69.4 |
| 50 | 17719 | 17900 | 35619 | 19.2 | 19.4 | 38.6 |
| 55 | 10344 | 14025 | 24369 | 8.6 | 11.5 | 20.1 |
| 60 | 3766 | 8408 | 12173 | 2.5 | 5.4 | 7.9 |
| 65 | 544 | 7459 | 8003 | 0.3 | 3.8 | 4.1 |
| 70 | 93 | 3949 | 4042 | 0.0 | 1.6 | 1.7 |
| 75 | 104 | 2021 | 2125 | 0.0 | 0.7 | 0.7 |
| 80 | | 620 | 620 | | 0.2 | 0.2 |
| 85 | | 126 | 126 | | 0.0 | 0.0 |
| 90 | | 0 | 0 | | 0.0 | 0.0 |
| 95 | | 0 | 0 | | 0.0 | 0.0 |
| 100 | | | | | | |
| Total | 233497 | 375573 | 609070 | 1099.5 | 3863.5 | 4963.0 |
| Non-fishable | 104506 | 237331 | 341837 | 851.8 | 3642.4 | 4494.2 |
| Fishable | 128991 | 138242 | 267233 | 247.7 | 221.2 | 468.8 |

further increase of the biomass of M. paradoxus since the previous year. However this all over increase of about 10%, showed up as a 40% increase in South African waters compensated by a 27% decline in Namibian waters. As pointed out in the 2010 cruise report this pointed to a major shift in the distribution of the deep water hake stock at the same time as it was in an expanding phase. In 2011 the relationship between fishable biomass in South Africa and Namibia is back at the long term linear trend (Fig 4.8b), at the same time as the combined fishable biomass is the highest recorded in the time series, i.e. 267 thousand tonnes (Table 4.4). In the first years of the timeseries (2003, 2005, 2006) the average fishable biomass was estimated to 120 thousand tonnes. In 2008-2009 the estimate was around 200 thousand tonnes while in 2010 and 2011 the estimate is 226 and 267 thousand tonnes respectively. This indicates a very favourable growth of close to or more than 100% in the population of adult fish over an 8 year period. While the increase in South Africa has been from about 80 thousand tonnes to roughly 140 thousand tonnes, i.e. 75 %, the similar increase in Namibia has been from 45 thousand to 130 thousand tonnes, i.e. an increase of 188%. From a biological perspective this seems to indicate a healthy stock that is in a growing phase at the same time as it is gradually expanding geographically beyond its pristine area (South Africa) into a frontier area (Namibia).

This time series does not include the south coast of South Africa which was only surveyed once with Dr. Fridtjof Nansen, in 2011. It would be interesting to see if a similar positive trend, i.e. signals of an expanding adult stock could also be observed in the Africana timeseries in the same period (2003-2011) on the south coast as well.

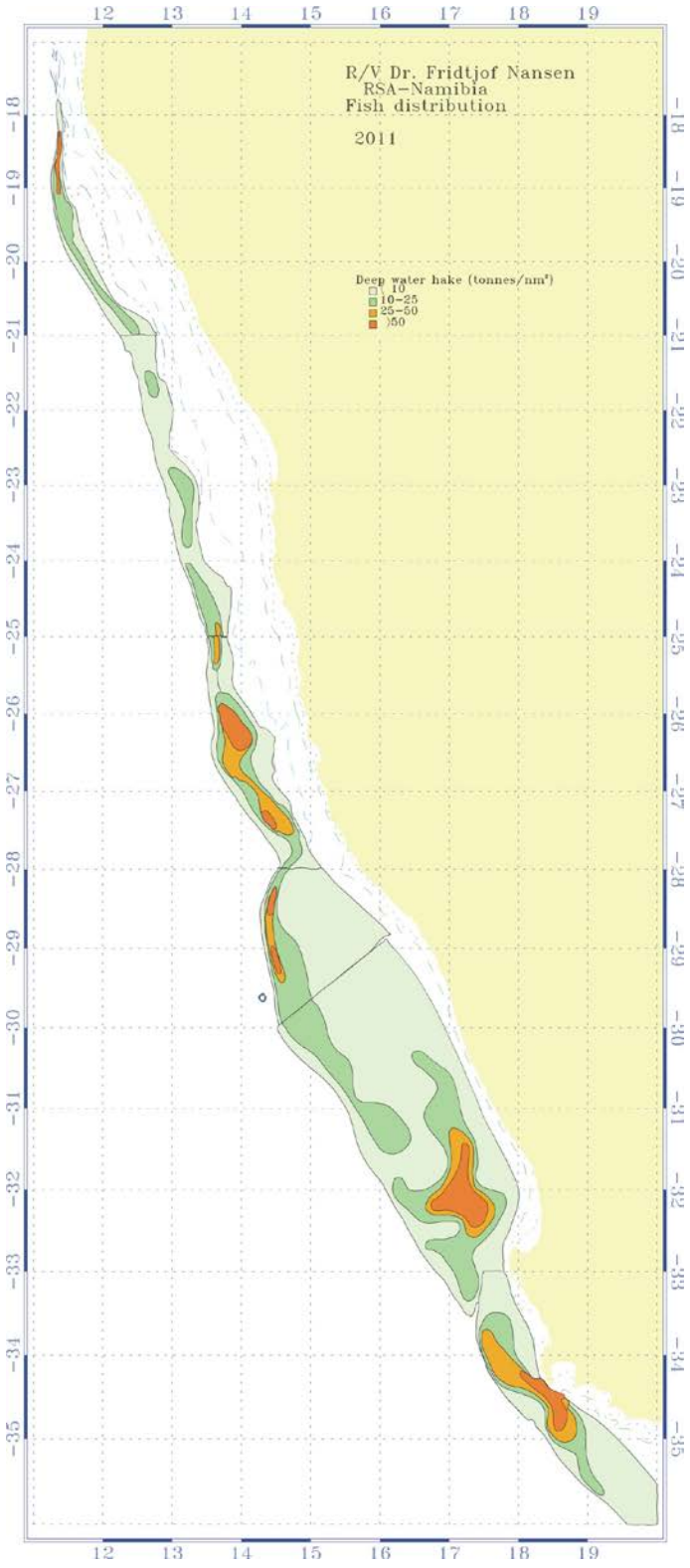



Figure 4.5 Distribution of deep-water hake (*M. paradoxus*) from Cunene to Cape Agulhas 2011

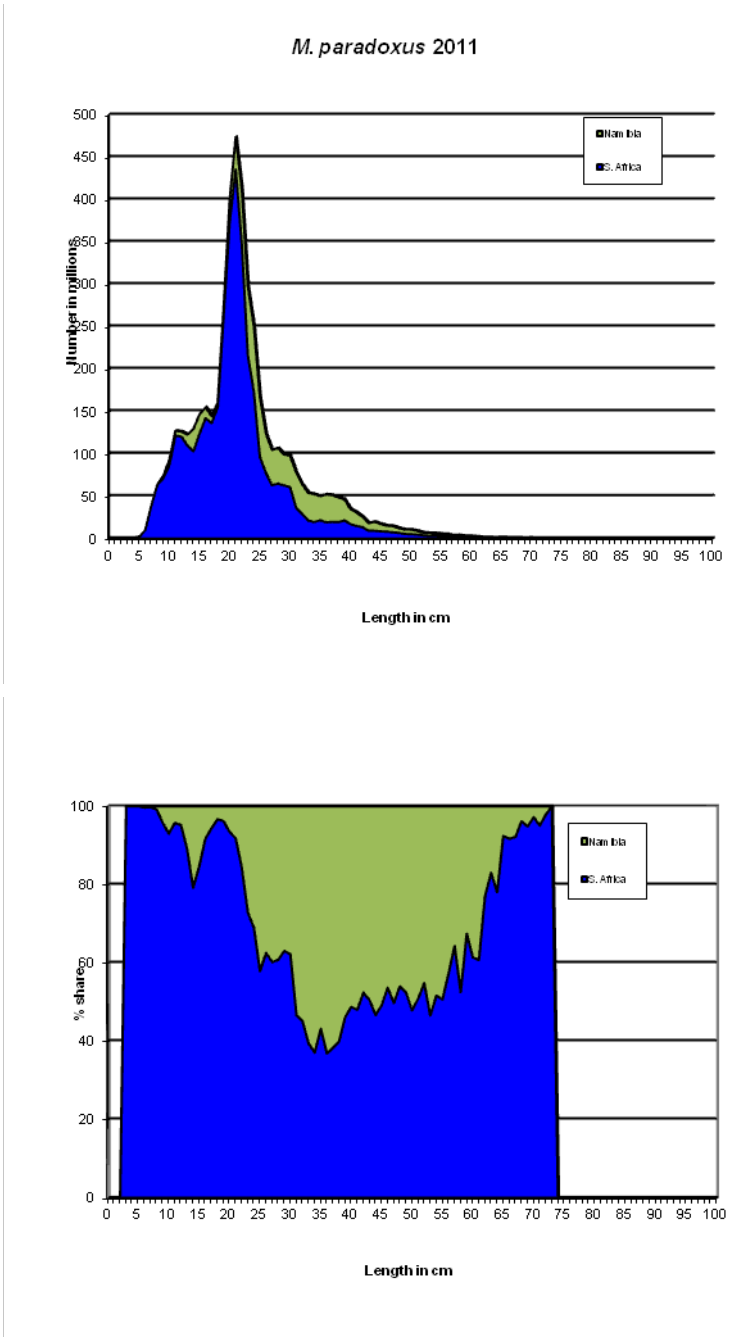



Figure 4.6 a) Estimated abundance in numbers of deep-water hake by 1 cm length classes. Namibia (green) added on top of South-Africa (blue).
b) % share between South-Africa (blue) and Namibia (green) of deep-water hake in numbers by 1 cm length classes in January-February 2011.

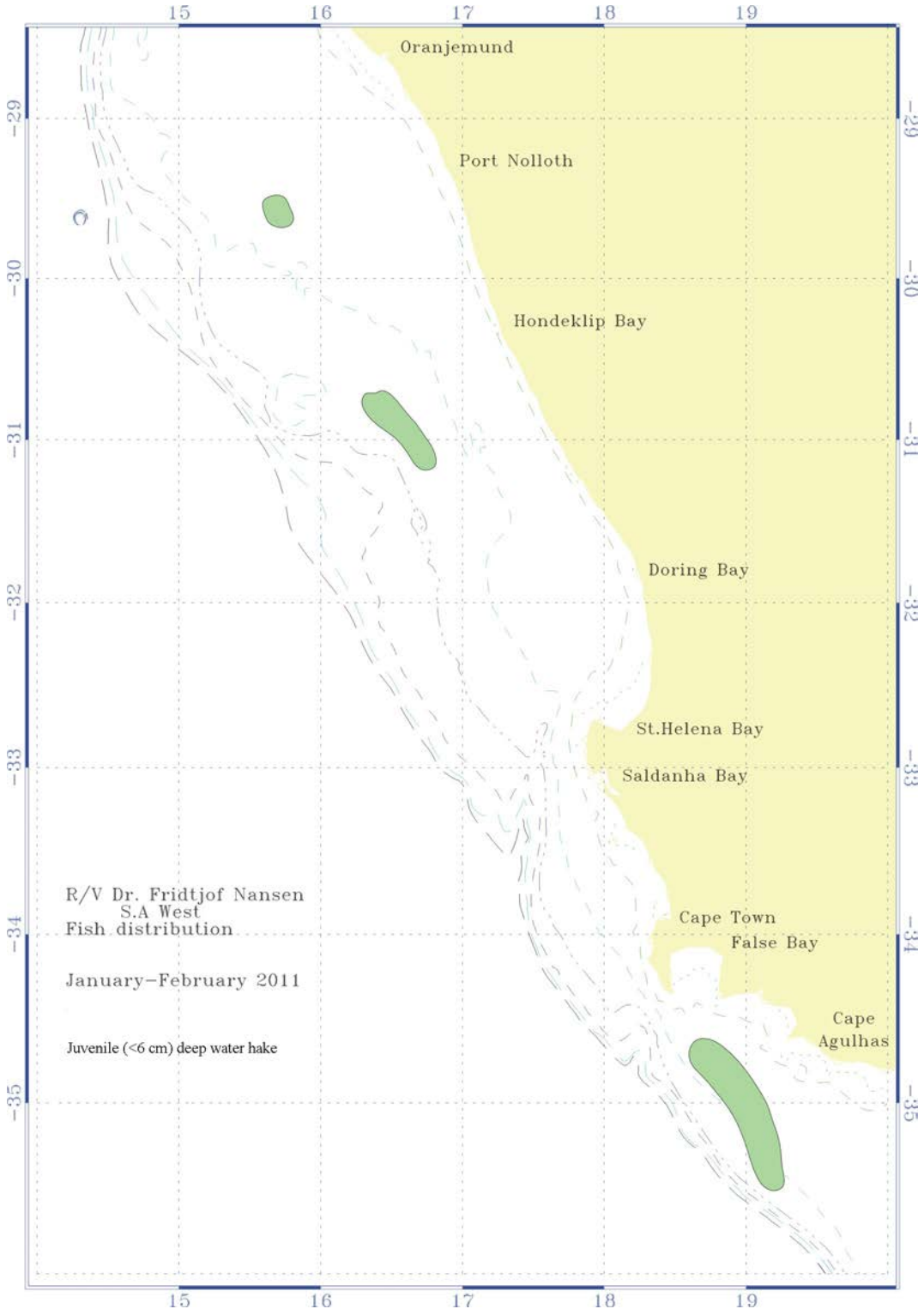
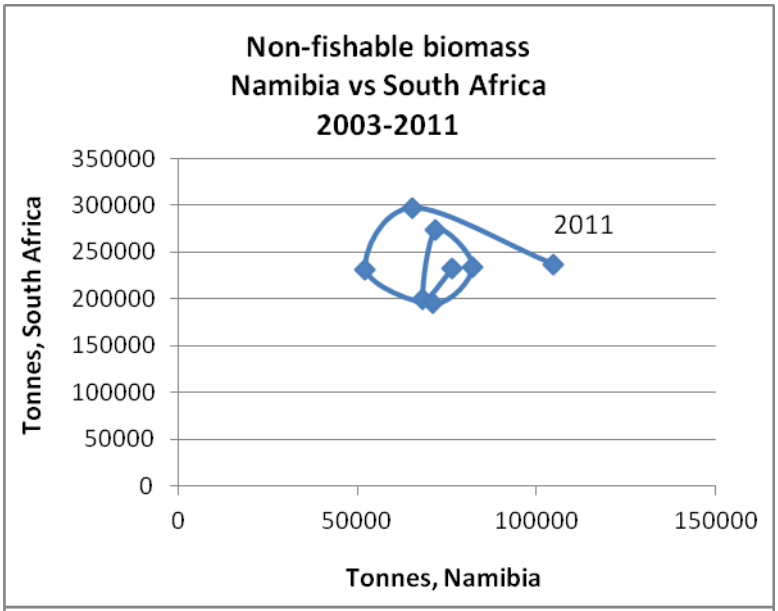



Figure 4.7 Presence of baby hake (<6 cm length) in trawl catches.

Table 4.4 Non-fishable and fishable biomass deep water hake Namibia and South Africa west coast 2003-2011.

| Year | Non-Fishable | | | Fishable | | |
|---|---|---|---|---|---|---|
| | Namibia | South Africa | Total | Namibia | South Africa | Total |
| 2003 | 76361 | 232227 | 308588 | 40080 | 79455 | 119535 |
| 2005 | 68235 | 200077 | 268312 | 46962 | 88850 | 135812 |
| 2006 | 71781 | 273640 | 345421 | 43414 | 66823 | 110237 |
| 2007 | 81984 | 234518 | 316502 | 66044 | 79894 | 145938 |
| 2008 | 71080 | 194948 | 266028 | 92272 | 117127 | 209399 |
| 2009 | 52139 | 231501 | 283640 | 76081 | 121594 | 197675 |
| 2010 | 65282 | 296928 | 362210 | 55571 | 170823 | 226394 |
| 2011 | 104506 | 237331 | 341837 | 128991 | 138242 | 267233 |



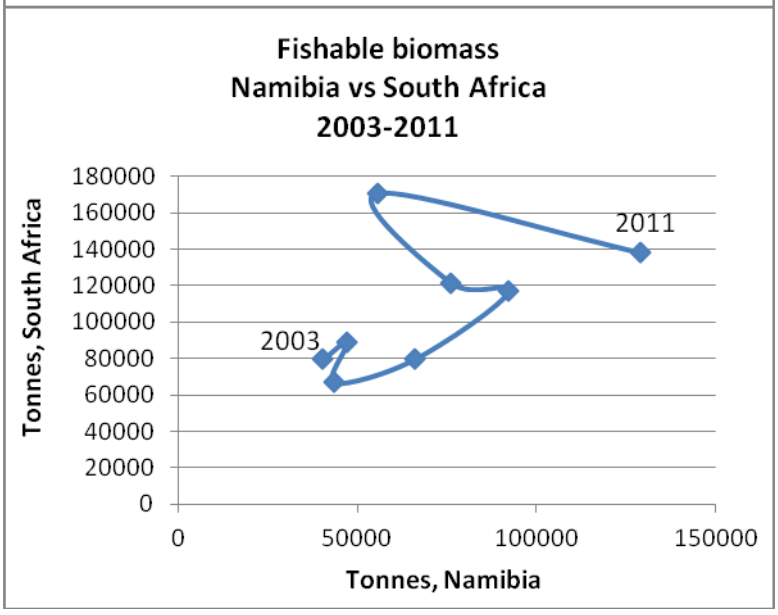



Figure 4.8. Relationship between biomass estimates on deep water hake in Namibia and South Africa. Above: Non-fishable biomass (<36cm), Below: fishable biomass.

Table 4.5 shows the density estimates of *M. paradoxus* by bottom depth strata and by regions, three regions in Namibia and four in South Africa. Table 4.3 shows the similar data for M. capensis. The areas of these depth strata and regions are listed in Annex 3.

Table 4.5 Density estimates of *M. paradoxus* by depth strata and regions. (2011)

| Region | 0-100 m | 100-199 m | 200-299 m | 300-399 m | 400-499 m | 500-599 m | 600-699 m |
|---|---|---|---|---|---|---|---|
| Cunene - 21°S | n.a. | 0 | 0 | 0.23 | 6.04 | 20.88 | 13.17 |
| 21°S - 25°S | n.a. | 0 | 0.04 | 10.03 | 9.73 | 4.79 | 4.76 |
| 25°S - Orange River | 0 | 0.59 | 1.51 | 36.73 | 34.34 | 5.42 | 7.46 |
| Orange River - Hondeklip Bay | n.a. | 2.56 | 3.10 | 18.61 | 9.26 | 5.06 | 1.44 |
| Hondeklip Bay - Saldanha Bay | 0 | 11.01 | 25.00 | 16.17 | 19.82 | 8.11 | 5.66 |
| Saldanha Bay - Cape of Good Hope | n.a. | 6.97 | 25.09 | 19.10 | 16.54 | 12.76 | n.a. |
| Cape of Good Hope - Cape Agulhas | 0 | 15.30 | 29.36 | 13.84 | 18.21 | 2.90 | n.a. |

Table 4.6 Density estimates of *M. capensis* by depth strata and regions. (2011)

| Region | 0-100 m | 100-199 m | 200-299 m | 300-399 m | 400-499 m | 500-599 m | 600-699 m |
|---|---|---|---|---|---|---|---|
| Cunene - 21°S | n.a. | 11.92 | 45.34 | 49.33 | 8.99 | 0 | 0 |
| 21°S - 25°S | n.a. | 13.45 | 40.45 | 23.60 | 0 | 0 | 0 |
| 25°S - Orange River | 16.65 | 6.71 | 28.20 | 9.06 | 0.02 | 0 | 0 |
| Orange River - Hondeklip Bay | n.a. | 6.35 | 1.54 | 1.06 | 0.09 | 0 | 0 |
| Hondeklip Bay - Saldanha Bay | 0.71 | 5.18 | 1.86 | 0.69 | 0.07 | 0 | 0 |
| Saldanha Bay - Cape of Good Hope | n.a. | 0.61 | 4.92 | 1.66 | 0 | 0 | n.a. |
| Cape of Good Hope - Cape Agulhas | 13.09 | 20.37 | 11.86 | 0.9 | 1.37 | 0 | n.a. |

## 5 Considerations of the survey results, *M. paradoxus* 2003-2011

The findings from the survey 10 January-16 February 2011 combined with similar findings from the Namibian survey in the period 14 January-19 February and from the previous surveys confirms the general features as regards the distribution of *M. Paradoxus* :

- Minimal spawning takes place at this time of the year, confirmed through few signs of maturing gonads.
- The early pelagic stage is mainly confined to the central-outer part of the shelf off Port Nolloth in a small area off the Cape Peninsula.
- Juveniles between 15 and 24cm are mainly concentrated on the shelf between Hondeklip Bay and St. Helena Bay. In contrast to some earlier years there are no spill over of juvenile fish northwards over the Orange Banks into Namibia. The main interface between Namibia and South Africa seems to be along the slope. The same pattern occurred in the period 2007-20010 while in the preceding years there was a continuous channel of fish extending into Namibia over the Orange Banks during the January surveys. There might though be a seasonal pattern not revealed in the timeseries as all surveys are in January-February.
- The massive migration towards the slope starts in the 25-29cm group and when the fish is bigger than 30cm this movement is mainly completed.
- The adult fish is found from Cunene in the north and southwards beyond Cape Agulhas. The biggest fish, bigger than 70cm is, in consistency with previous surveys, only recorded in South Africa.
- The main part of the juveniles is at the time of the survey in 2011 located in South Africa which holds about 70% of the non-fishable biomass (fish smaller than 36cm) while the fishable biomass (bigger than 35cm) is about evenly shared between the countries, (52% in South Africa).
- The regional standing stock has been on a rising trend in the last five years. The regional estimate of fishable biomass has increased from 110 thousand tonnes in 2006 to roundly 270 thousand tonnes in 2010, representing a 145% increase. The increase has been stronger in

Namibia (200%) as compared to South Africa (105%) indicating that the stock is spreading out geographically.

- Generally for all years; for the size range 55 to 60cm fish length there is an increased share of the biomass in Namibian waters compared to smaller and bigger fish classes, perhaps indicating a periodic immigration from south in terms of the life cycle.
- From 2009 to 2010 there has was recorded a major shift in the distribution of adult hake between the two countries, as the share in South Africa increased to 75%. In 2011 the pattern is back to the normal around 50%.
- The south coast of South Africa was in 2010 covered for the first time as part of the BCC surveys on transboundary stocks in order to have full synoptic survey and to investigate to what extent the southern stock component showed connectivity to the fish on the west coast. The deep water hake in this region was estimated to 100 thousand tonnes, which represents 15 % of the total paradoxus 2010 estimate and 18% of the South African estimate.
- The deep water hake in this region consisted in 2010 mainly of fish in the size range 35-70cm. The young fish less than 36cm ("non-fishable biomass") on the south coast comprises less than 5% in terms of biomass of this fish in South African waters. This indicates that the southern component is mainly supplied by recruits from the west coast. The whole region from Port Alfred to the Cunene could therefore be understood as an integrated connected system as regards one unit stock of deep water hake.
- Blue Sea and "Dr. Fridtjof Nansen" use identical trawls and similar survey design and sampling protocol. The catchability coefficient in the biomass estimates applied is 0.8. Since the catchability coefficient of the trawl used on Dr. Fridtjof Nansen and Blue Sea has not been calibrated against absolute densities in the path of the trawl, the biomass estimates given here should not be considered as absolute biomass, but as indices of biomass. Thus the essential information is in relative comparisons and trends.

# Annex 1 Records of fishing stations

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 1
DATE :12/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°15.80
start stop duration Lon E 18°40.24
TIME :05:51:46 06:22:21 30.6 (min) Purpose : 3
LOG : 2504.96 2506.54 1.6 Region : 6100
FDEPTH: 588 588 Gear cond.: 0
BDEPTH: 588 588 Validity : 0
Towing dir: 0° Wire out : 1450 m Speed : 3.2 kn
Sorted : 302 Total catch: 302.30 Catch/hour: 593.14

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Coelorinchus braueri | 186.40 | 0 31.43 | |
| Merluccius paradoxus | 102.03 | 78 17.20 | 3 |
| Merluccius paradoxus | 46.11 | 67 7.77 | 4 |
| Centrophorus squamosus | 31.39 | 4 5.29 | |
| Chaceon maritae | 29.43 | 0 4.96 | |
| Merluccius paradoxus | 26.49 | 114 4.47 | 5 |
| Helicolenus dactylopterus | 22.76 | 124 3.84 | 2 |
| Lophius vomerinus | 22.37 | 10 3.77 | 1 |
| J E L L Y F I S H | 19.62 | 0 3.31 | |
| Nezumia sp. | 18.05 | 0 3.04 | |
| Bathyraja smithii | 11.58 | 2 1.95 | |
| Anemones, white | 8.83 | 55 1.49 | |
| Histioteuthis miranda | 8.44 | 6 1.42 | |
| Merluccius paradoxus | 8.34 | 212 1.41 | 6 |
| Etmopterus brachyurus | 7.65 | 59 1.29 | |
| Squalus mitsukurii | 5.69 | 2 0.96 | |
| Diastobranchus capensis | 5.30 | 69 0.89 | |
| P O L Y C H A E T A | 4.12 | 0 0.69 | |
| Plesionika martia | 4.12 | 0 0.69 | |
| Notacanthus sexspinis | 3.92 | 51 0.66 | |
| Helicolenus dactylopterus | 2.75 | 108 0.46 | 9 |
| Apristurus saldanha | 2.55 | 2 0.43 | |
| Kuronezumia leonis | 2.55 | 29 0.43 | |
| Raja leopardus | 2.13 | 26 0.36 | |
| Coloconger scholesi | 2.08 | 2 0.35 | |
| Maurolicus muelleri | 1.96 | 0 0.33 | |
| Psychrolutes macrocephalus | 1.54 | 10 0.26 | |
| Bassanago albescens | 1.37 | 6 0.23 | |
| Merluccius paradoxus | 0.94 | 82 0.16 | 7 |
| Myxine capensis | 0.78 | 6 0.13 | |
| Starfish, mixed | 0.39 | 0 0.07 | |
| Sergia sp. | 0.39 | 33 0.07 | |
| Bathypolypus valdiviae | 0.20 | 4 0.03 | |
| Neoscopelus sp. | 0.19 | 6 0.03 | |
| Selachophidium guentheri | 0.17 | 2 0.03 | |
| Tripterophycis gilchristi | 0.14 | 4 0.02 | |
| Champsodon capensis | 0.11 | 14 0.02 | |
| Polymixia nobilis | 0.08 | 2 0.01 | |
| Oreosoma atlanticum | 0.06 | 2 0.01 | |
| Chauliodus sloani | 0.05 | 2 0.01 | |
| Chlorophthalmus sp. | 0.03 | 4 0.00 | |
| Rossia enigmatica | 0.03 | 2 0.00 | |
| Trachurus trachurus | 0.01 | 2 0.00 | 8 |
| Total | 593.14 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 2
DATE :20/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°59.19
start stop duration Lon E 17°59.73
TIME :15:53:51 16:24:46 30.9 (min) Purpose : 3
LOG : 2673.99 2675.49 1.5 Region : 6100
FDEPTH: 192 193 Gear cond.: 0
BDEPTH: 192 193 Validity : 0
Towing dir: 0° Wire out : 480 m Speed : 2.9 kn
Sorted : 339 Total catch: 338.82 Catch/hour: 657.47

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Parapagurus dimorphus | 227.04 | 56759 34.53 | |
| Merluccius paradoxus | 213.45 | 1672 32.47 | 10 |
| Coelorinchus simorhynchus | 48.51 | 759 7.38 | |
| Chelidonichthys capensis | 34.93 | 78 5.31 | 16 |
| Merluccius capensis | 31.05 | 60 4.72 | 11 |
| Lophius vomerinus | 17.46 | 49 2.66 | 12 |
| Helicolenus dactylopterus | 12.81 | 472 1.95 | 21 |
| Trachurus capensis | 9.70 | 45 1.48 | 15 |
| Todaropsis eblanae | 7.96 | 165 1.21 | 22 |
| Callorhinchus capensis | 7.76 | 4 1.18 | |
| Cynoglossus zanzibarensis | 6.79 | 124 1.03 | 19 |
| Raja straeleni | 5.05 | 8 0.77 | |
| Paracallionymus costatus | 4.66 | 466 0.71 | |
| Starfish | 4.46 | 140 0.68 | |
| J E L L Y F I S H | 3.88 | 0 0.59 | |
| Loligo reynaudi | 2.91 | 17 0.44 | 18 |
| Holohalaelurus regani | 2.52 | 25 0.38 | |
| Merluccius paradoxus | 2.33 | 109 0.35 | 24 |
| Black sand dollar | 2.33 | 23 0.35 | |
| Thyrsites atun | 1.94 | 2 0.30 | 17 |
| Chelidonichthys queketti | 1.94 | 8 0.30 | 14 |
| Echinus gilchristi ? | 1.55 | 21 0.24 | |
| Merluccius paradoxus | 1.36 | 130 0.21 | 23 |
| Mursia cristimanus | 0.97 | 56 0.15 | |
| Zeus capensis | 0.97 | 6 0.15 | 13 |
| Exodromidia sp. | 0.68 | 21 0.10 | |
| Sepia australis | 0.59 | 37 0.09 | |
| Sepia hieronis | 0.58 | 16 0.09 | |
| Pterygosquilla armata capensis | 0.54 | 27 0.08 | |
| Congiopodus spinifer | 0.30 | 4 0.05 | |
| G A S T R O P O D S | 0.20 | 14 0.03 | |
| Loligo reynaudi | 0.19 | 2 0.03 | 20 |
| Maurolicus muelleri | 0.02 | 8 0.00 | |
| Lolligoncula mercatoris | 0.01 | 4 0.00 | |
| P O L Y C H A E T A | 0.01 | 2 0.00 | |
| Solenocera sp. | 0.01 | 2 0.00 | |
| Total | 657.47 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 3
DATE :21/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°15.99
start stop duration Lon E 18°13.80
TIME :13:27:52 13:58:13 30.4 (min) Purpose : 3
LOG : 2818.18 2819.75 1.6 Region : 6100
FDEPTH: 167 170 Gear cond.: 0
BDEPTH: 167 170 Validity : 0
Towing dir: 0° Wire out : 420 m Speed : 3.1 kn
Sorted :1400 Total catch: 1434.54 Catch/hour: 2835.07

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Jasus lalandii | 2489.82 | 10457 87.82 | 27 |
| Merluccius paradoxus | 140.32 | 850 4.95 | 29 |
| Brama brama | 39.53 | 24 1.39 | 32 |
| Jasus lalandii | 31.92 | 192 1.13 | 26 |
| Merluccius capensis | 30.63 | 89 1.08 | 34 |
| Coelorinchus simorhynchus | 21.74 | 403 0.77 | |
| Callorhinchus capensis | 17.79 | 12 0.63 | |
| Trachurus capensis | 15.81 | 296 0.56 | 31 |
| Lophius vomerinus | 12.65 | 12 0.45 | 40 |
| Chelidonichthys capensis | 7.51 | 18 0.26 | 33 |
| Sepia australis | 6.40 | 247 0.23 | |
| Raja straeleni | 4.35 | 2 0.15 | |
| Todaropsis eblanae | 2.73 | 71 0.10 | 35 |
| Lepidopus caudatus | 2.69 | 55 0.09 | |
| Octopus vulgaris | 1.70 | 2 0.06 | |
| Zeus capensis | 1.38 | 8 0.05 | 30 |
| Sepia hieronis | 1.23 | 16 0.04 | |
| Anemones, red | 1.19 | 12 0.04 | |
| Thyrsites atun | 1.13 | 2 0.04 | 36 |
| Loligo reynaudi | 0.89 | 6 0.03 | 38 |
| Starfish | 0.79 | 107 0.03 | |
| PORIFERA (Sponges) | 0.79 | 2 0.03 | |
| Helicolenus dactylopterus | 0.75 | 8 0.03 | 28 |
| Congiopodus spinifer | 0.36 | 10 0.01 | |
| Cynoglossus zanzibarensis | 0.22 | 4 0.01 | 37 |
| Loligo reynaudi | 0.22 | 2 0.01 | 39 |
| Mursia cristimanus | 0.20 | 20 0.01 | |
| Merluccius paradoxus | 0.16 | 12 0.01 | 25 |
| Holohalaelurus regani | 0.11 | 4 0.00 | |
| Gnathophis capensis | 0.10 | 2 0.00 | |
| Total | 2835.07 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 4
DATE :21/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°19.47
start stop duration Lon E 18°12.89
TIME :15:20:50 15:43:14 22.4 (min) Purpose : 3
LOG : 2825.94 2827.07 1.1 Region : 6100
FDEPTH: 260 270 Gear cond.: 0
BDEPTH: 260 270 Validity : 0
Towing dir: 0° Wire out : 650 m Speed : 3.0 kn
Sorted : 262 Total catch: 8272.19 Catch/hour: 22167.55

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Merluccius paradoxus | 13698.97 | 105025 61.80 | 43 |
| Trachurus capensis | 3087.09 | 12220 13.93 | 44 |
| Brama brama | 2315.32 | 1351 10.44 | 45 |
| Lampanyctodes hectoris | 868.24 | 310087 3.92 | |
| Parapagurus dimorphus | 578.83 | 57883 2.61 | |
| Merluccius capensis | 450.20 | 193 2.03 | 41 |
| Merluccius paradoxus | 428.76 | 322 1.93 | 42 |
| Coelorinchus simorhynchus | 289.41 | 2632 1.31 | |
| Zeus capensis | 115.77 | 96 0.52 | 47 |
| Raja straeleni | 96.47 | 96 0.44 | |
| Thyrsites atun | 96.47 | 96 0.44 | 48 |
| Helicolenus dactylopterus | 57.88 | 386 0.26 | 46 |
| Malacocephalus laevis | 28.94 | 193 0.13 | |
| G A S T R O P O D S | 28.94 | 1833 0.13 | |
| Starfish | 7.72 | 965 0.03 | |
| Anemones, red | 7.72 | 96 0.03 | |
| Todaropsis eblanae | 6.66 | 96 0.03 | 49 |
| Mursia cristimanus | 2.03 | 289 0.01 | |
| Ophiuroidea | 0.77 | 193 0.00 | |
| Rochinia sp. | 0.77 | 96 0.00 | |
| Pterygosquilla armata capensis | 0.58 | 96 0.00 | |
| Total | 22167.55 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 5
DATE :21/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°22.85
start stop duration Lon E 18°2.61
TIME :17:26:27 17:51:31 25.1 (min) Purpose : 3
LOG : 2837.87 2838.99 1.1 Region : 6100
FDEPTH: 282 282 Gear cond.: 0
BDEPTH: 282 282 Validity : 0
Towing dir: 0° Wire out : 695 m Speed : 2.7 kn
Sorted : 151 Total catch: 575.57 Catch/hour: 1378.62

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Merluccius paradoxus | 675.45 | 4582 48.99 | 55 |
| Helicolenus dactylopterus | 186.83 | 2026 13.55 | 56 |
| Coelorinchus simorhynchus | 143.71 | 3593 10.42 | |
| Parapagurus dimorphus | 136.53 | 13653 9.90 | |
| Merluccius capensis | 79.04 | 31 5.73 | 54 |
| Lophius vomerinus | 31.14 | 19 2.26 | 52 |
| Genypterus capensis | 19.16 | 12 1.39 | 51 |
| J E L L Y F I S H | 18.68 | 0 1.36 | |
| Paracallionymus costatus | 14.37 | 2874 1.04 | |
| Merluccius paradoxus | 13.17 | 14 0.96 | 53 |
| Merluccius paradoxus | 12.93 | 2041 0.94 | 57 |
| Holohalaelurus regani | 12.93 | 29 0.94 | |
| Octopus vulgaris | 7.19 | 5 0.52 | |
| Zeus capensis | 7.19 | 10 0.52 | 50 |
| Trachurus capensis | 6.90 | 29 0.50 | 58 |
| Emmelichthys nitidus | 6.75 | 14 0.49 | |
| Zu elongatus | 2.87 | 2 0.21 | |
| Todaropsis eblanae | 2.66 | 43 0.19 | 59 |
| Starfish | 0.91 | 57 0.07 | |
| Champsodon capensis | 0.11 | 14 0.01 | |
| Solenocera sp. | 0.09 | 14 0.01 | |
| Total | 1378.62 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 6
DATE :22/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°20.27
start stop duration Lon E 17°40.62
TIME :04:29:38 04:58:26 28.8 (min) Purpose : 3
LOG : 2869.95 2871.42 1.5 Region : 6100
FDEPTH: 551 547 Gear cond.: 0
BDEPTH: 551 547 Validity : 0
Towing dir: 0° Wire out : 1220 m Speed : 3.1 kn
Sorted : 183 Total catch: 182.87 Catch/hour: 381.12

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus braueri | 141.72 | 3457 | 37.18 | |
| Merluccius paradoxus | 56.27 | 63 | 14.76 | 61 |
| Anemones, white | 54.19 | 258 | 14.22 | |
| Merluccius paradoxus | 35.43 | 25 | 9.30 | 60 |
| Chaceon maritae | 31.26 | 423 | 8.20 | |
| Centrophorus squamosus, female | 21.88 | 2 | 5.74 | |
| Bassanago albescens | 11.46 | 27 | 3.01 | |
| Cruriraja parcomaculata | 5.34 | 33 | 1.40 | |
| Raja leopardus | 4.65 | 33 | 1.22 | |
| Helicolenus dactylopterus | 3.65 | 21 | 0.96 | 62 |
| Starfish | 2.92 | 0 | 0.77 | |
| Nezumia sp. | 2.13 | 142 | 0.56 | |
| Myxine capensis | 1.42 | 19 | 0.37 | |
| J E L L Y F I S H | 1.35 | 0 | 0.36 | |
| Plesionika martia | 1.18 | 190 | 0.31 | |
| Trachyscorpia eschmeyeri | 0.96 | 10 | 0.25 | |
| Malacocephalus laevis | 0.85 | 2 | 0.22 | |
| Lucigadus ori | 0.81 | 0 | 0.21 | |
| Selachophidium guentheri | 0.65 | 10 | 0.17 | |
| Photichthys argenteus | 0.44 | 13 | 0.11 | |
| Coelorinchus matamua | 0.35 | 4 | 0.09 | |
| Ophichthus bennettai | 0.33 | 2 | 0.09 | |
| Hydrolagus sp. | 0.32 | 2 | 0.08 | |
| Oreosoma atlanticum | 0.28 | 2 | 0.07 | |
| Psychrolutes macrocephalus | 0.21 | 4 | 0.06 | |
| Hoplostethus mediterraneus | 0.20 | 400 | 0.05 | |
| Notacanthus sexspinis | 0.17 | 4 | 0.05 | |
| G A S T R O P O D S | 0.13 | 2 | 0.03 | |
| Paracallionymus costatus | 0.12 | 15 | 0.03 | |
| Etmopterus brachyurus | 0.09 | 2 | 0.02 | |
| Coelorinchus sp. | 0.08 | 2 | 0.02 | |
| Parapagurus pilosimanus | 0.07 | 6 | 0.02 | |
| Gymnoscopelus sp. | 0.06 | 2 | 0.02 | |
| Selachophidium guentheri | 0.04 | 8 | 0.01 | 0 |
| Stereomastis sp. | 0.03 | 4 | 0.01 | |
| Leptocephalus | 0.03 | 2 | 0.01 | |
| Shark eggs | 0.02 | 4 | 0.01 | |
| Stoloteuthis sp. | 0.01 | 2 | 0.00 | |
| Sergia sp. | 0.01 | 2 | 0.00 | |
| Total | 381.12 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 7
DATE :22/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°19.86
start stop duration Lon E 17°41.30
TIME :06:17:07 06:47:16 30.2 (min) Purpose : 3
LOG : 2875.15 2876.55 1.4 Region : 6100
FDEPTH: 504 496 Gear cond.: 0
BDEPTH: 504 496 Validity : 0
Towing dir: 0° Wire out : 1100 m Speed : 2.8 kn
Sorted : 354 Total catch: 354.75 Catch/hour: 705.74

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 294.43 | 344 | 41.72 | 63 |
| Merluccius paradoxus | 161.14 | 135 | 22.83 | 64 |
| Coelorinchus braueri | 123.34 | 1763 | 17.48 | |
| Chaceon maritae | 61.67 | 473 | 8.74 | |
| Helicolenus dactylopterus | 25.86 | 255 | 3.66 | 65 |
| Anemones, white | 9.95 | 58 | 1.41 | |
| Plesionika martia | 6.96 | 2678 | 0.99 | |
| Coelorinchus simorhynchus | 4.97 | 88 | 0.70 | |
| Bassanago albescens | 3.98 | 10 | 0.56 | |
| Starfish | 3.24 | 324 | 0.46 | |
| Raja confundens | 2.43 | 12 | 0.34 | |
| Photichthys argenteus | 1.93 | 68 | 0.27 | |
| Notacanthus sexspinis | 1.19 | 14 | 0.17 | |
| Coelorinchus matamua | 0.62 | 12 | 0.09 | |
| Raja leopardus | 0.60 | 4 | 0.08 | |
| Psychrolutes macrocephalus | 0.55 | 2 | 0.08 | |
| G A S T R O P O D S | 0.50 | 10 | 0.07 | |
| Zu elongatus, juvenile | 0.48 | 2 | 0.07 | |
| Stereomastis sp. | 0.47 | 60 | 0.07 | |
| Myxine capensis | 0.37 | 4 | 0.05 | |
| Lepidion capensis | 0.23 | 2 | 0.03 | |
| Ornithoteuthis volatilis | 0.20 | 2 | 0.03 | |
| Lucigadus ori | 0.19 | 14 | 0.03 | |
| Diretmoides parini | 0.12 | 2 | 0.02 | |
| Stoloteuthis sp. | 0.06 | 14 | 0.01 | |
| Tripterophycis gilchristi | 0.06 | 2 | 0.01 | |
| Merluccius paradoxus | 0.04 | 8 | 0.01 | 66 |
| PARALEPIDIDAE | 0.04 | 2 | 0.01 | |
| Symbolophorus boops | 0.03 | 2 | 0.00 | |
| Champsodon capensis | 0.03 | 6 | 0.00 | |
| Shark eggs | 0.02 | 2 | 0.00 | |
| Paracallionymus costatus | 0.01 | 2 | 0.00 | |
| Munidopsis sp. | 0.01 | 2 | 0.00 | |
| Chlorophthalmus sp. | 0.01 | 2 | 0.00 | |
| MYCTOPHIDAE | 0.01 | 2 | 0.00 | |
| Hoplostethus mediterraneus | 0.00 | 4 | 0.00 | |
| Lampanyctodes hectoris | 0.00 | 2 | 0.00 | |
| Total | 705.74 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 8
DATE :22/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°19.34
start stop duration Lon E 17°42.35
TIME :07:57:47 08:29:03 31.3 (min) Purpose : 3
LOG : 2880.02 2881.67 1.7 Region : 6100
FDEPTH: 453 449 Gear cond.: 0
BDEPTH: 453 449 Validity : 0
Towing dir: 0° Wire out : 1000 m Speed : 3.2 kn
Sorted : 600 Total catch: 600.37 Catch/hour: 1151.96

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 475.86 | 1013 | 41.31 | 67 |
| Helicolenus dactylopterus | 182.28 | 1348 | 15.82 | 71 |
| Merluccius paradoxus | 157.34 | 192 | 13.66 | 69 |
| Coelorinchus simorhynchus | 109.37 | 2377 | 9.49 | |
| Merluccius paradoxus | 103.61 | 167 | 8.99 | 68 |
| Starfish | 46.05 | 4605 | 4.00 | |
| Anemones, pink | 30.70 | 165 | 2.67 | |
| Octopus vulgaris | 18.23 | 17 | 1.58 | |
| Bassanago albescens | 11.51 | 19 | 1.00 | |
| Whelks | 4.22 | 73 | 0.37 | |
| Genypterus capensis | 3.84 | 4 | 0.33 | 70 |
| Lophius vomerinus | 1.73 | 2 | 0.15 | 72 |
| Raja confundens | 1.65 | 2 | 0.14 | |
| Parapagurus pilosimanus | 1.57 | 109 | 0.14 | |
| Lucigadus ori | 1.40 | 115 | 0.12 | |
| Chaceon maritae | 0.58 | 6 | 0.05 | |
| Notacanthus sexspinis | 0.46 | 6 | 0.04 | |
| Synagrops japonicus | 0.40 | 2 | 0.03 | |
| Ophichthus bennettai | 0.38 | 4 | 0.03 | |
| Lycoteuthis lorigera | 0.19 | 17 | 0.02 | |
| Chaunax pictus | 0.19 | 2 | 0.02 | |
| Symbolophorus boops | 0.09 | 6 | 0.01 | |
| Paracallionymus costatus | 0.07 | 15 | 0.01 | |
| Persparsia kopua | 0.06 | 2 | 0.01 | |
| Tripterophycis gilchristi | 0.04 | 2 | 0.00 | |
| Leptocephalus | 0.03 | 2 | 0.00 | |
| Merluccius paradoxus | 0.02 | 4 | 0.00 | 73 |
| Psychrolutes macrocephalus | 0.02 | 2 | 0.00 | |
| Hoplostethus mediterraneus | 0.02 | 4 | 0.00 | |
| Shark eggs | 0.02 | 4 | 0.00 | |
| Physiculus capensis | 0.01 | 2 | 0.00 | |
| Total | 1151.96 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 9
DATE :22/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°28.38
start stop duration Lon E 18°1.08
TIME :11:13:22 11:43:39 30.3 (min) Purpose : 3
LOG : 2898.77 2900.10 1.3 Region : 6100
FDEPTH: 311 309 Gear cond.: 0
BDEPTH: 311 309 Validity : 0
Towing dir: 0° Wire out : 745 m Speed : 2.6 kn
Sorted : 252 Total catch: 965.44 Catch/hour: 1912.39

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Helicolenus dactylopterus | 1137.01 | 18517 | 59.45 | 79 |
| Coelorinchus simorhynchus | 429.84 | 12281 | 22.48 | |
| Genypterus capensis | 97.06 | 89 | 5.08 | 76 |
| Merluccius capensis | 67.35 | 18 | 3.52 | 77 |
| Merluccius paradoxus | 33.67 | 22 | 1.76 | 78 |
| Merluccius paradoxus | 27.73 | 113 | 1.45 | 75 |
| Merluccius paradoxus | 25.65 | 2066 | 1.34 | 80 |
| Octopus magnificus | 21.79 | 16 | 1.14 | |
| Starfish | 12.48 | 0 | 0.65 | |
| Anemones, pink | 11.09 | 22 | 0.58 | |
| Paracallionymus costatus | 9.71 | 984 | 0.51 | |
| J E L L Y F I S H | 9.71 | 0 | 0.51 | |
| Malacocephalus laevis | 7.13 | 12 | 0.37 | |
| Lophius vomerinus | 6.93 | 2 | 0.36 | 74 |
| Whelks | 6.36 | 139 | 0.33 | |
| Cruriraja parcomaculata | 2.38 | 4 | 0.12 | |
| Parapagurus pilosimanus | 2.19 | 97 | 0.11 | |
| Ophichthus bennettai | 1.08 | 14 | 0.06 | |
| Rossia enigmatica | 1.07 | 28 | 0.06 | |
| Holohalaelurus regani | 0.59 | 2 | 0.03 | |
| Epigonus sp. | 0.33 | 42 | 0.02 | |
| Physiculus capensis | 0.31 | 14 | 0.02 | |
| Mursia cristimanus | 0.25 | 28 | 0.01 | |
| Sea urchin | 0.22 | 14 | 0.01 | |
| Chlorophthalmus sp. | 0.17 | 55 | 0.01 | |
| Lampanyctodes hectoris | 0.12 | 55 | 0.01 | |
| Exodromidia sp. | 0.08 | 28 | 0.00 | |
| Champsodon capensis | 0.07 | 14 | 0.00 | |
| Total | 1912.39 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 10
DATE :22/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°32.68
start stop duration Lon E 17°55.68
TIME :13:30:18 14:00:45 30.5 (min) Purpose : 3
LOG : 2908.49 2909.94 1.5 Region : 6100
FDEPTH: 440 431 Gear cond.: 0
BDEPTH: 440 431 Validity : 0
Towing dir: 0° Wire out : 800 m Speed : 2.9 kn
Sorted : 210 Total catch: 413.65 Catch/hour: 814.80

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Helicolenus dactylopterus | 318.12 | 2566 | 39.04 | 83 |
| Merluccius paradoxus | 177.28 | 288 | 21.76 | 86 |
| Coelorinchus simorhynchus | 133.95 | 1763 | 16.44 | |
| Anemones, pink | 33.49 | 360 | 4.11 | 0 |
| Lophius vomerinus | 29.55 | 10 | 3.63 | 81 |
| Merluccius paradoxus | 29.55 | 41 | 3.63 | 85 |
| Bassanago albescens | 25.61 | 43 | 3.14 | |
| Octopus magnificus | 16.74 | 6 | 2.05 | |
| Genypterus capensis | 7.88 | 6 | 0.97 | 82 |
| Parapagurus pilosimanus | 7.35 | 337 | 0.90 | |
| Lucigadus ori | 6.05 | 546 | 0.74 | |
| Starfish | 5.44 | 0 | 0.67 | |
| Merluccius paradoxus | 5.44 | 226 | 0.67 | 87 |
| Todaropsis eblanae | 5.02 | 33 | 0.62 | 84 |
| Notacanthus sexspinis | 2.90 | 26 | 0.36 | |
| Plesionika martia | 2.74 | 516 | 0.34 | |
| J E L L Y F I S H | 2.01 | 0 | 0.25 | |
| Whelks | 1.45 | 41 | 0.18 | |
| Psychrolutes macrocephalus | 1.18 | 2 | 0.15 | |
| Anemones, pink | 0.98 | 2 | 0.12 | |
| Myxine capensis | 0.54 | 8 | 0.07 | |
| Tripterophycis gilchristi | 0.52 | 17 | 0.06 | |
| Hoplostethus mediterraneus | 0.39 | 2 | 0.05 | |
| Paracallionymus costatus | 0.33 | 33 | 0.04 | |
| Physiculus capensis | 0.23 | 8 | 0.03 | |
| Stereomastis sp. | 0.06 | 8 | 0.01 | |
| Total | 814.80 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 11
DATE :22/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°36.70
start stop duration Lon E 17°56.28
TIME :15:21:59 15:52:30 30.5 (min) Purpose : 3
LOG : 2914.34 2915.65 1.3 Region : 6100
FDEPTH: 581 578 Gear cond.: 0
BDEPTH: 581 578 Validity : 0
Towing dir: 0° Wire out : 1100 m Speed : 2.6 kn
Sorted : 129 Total catch: 128.60 Catch/hour: 252.81

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus braueri | 137.61 | 1657 | 54.43 | |
| Merluccius paradoxus | 31.45 | 49 | 12.44 | 88 |
| Anemones, pink | 29.49 | 140 | 11.66 | |
| Lophius vomerinus | 15.73 | 6 | 6.22 | 89 |
| Chaceon maritae | 10.62 | 77 | 4.20 | |
| Histioteuthis miranda | 8.65 | 6 | 3.42 | |
| Starfish | 5.17 | 0 | 2.05 | |
| Bristle worms (straws) | 4.91 | 491 | 1.94 | |
| Nezumia sp. | 1.83 | 128 | 0.72 | |
| Psychrolutes macrocephalus | 1.18 | 4 | 0.47 | |
| Malacocephalus laevis | 1.18 | 4 | 0.47 | |
| Etmopterus lucifer | 1.01 | 16 | 0.40 | |
| Plesionika martia | 0.94 | 157 | 0.37 | |
| Myxine capensis | 0.90 | 12 | 0.36 | |
| J E L L Y F I S H | 0.51 | 0 | 0.20 | |
| Lepidion capensis | 0.41 | 6 | 0.16 | |
| Whelks | 0.20 | 4 | 0.08 | |
| Trachyscorpia eschmeyeri | 0.16 | 4 | 0.06 | |
| Notacanthus sexspinis | 0.16 | 2 | 0.06 | |
| Photichthys argenteus | 0.16 | 4 | 0.06 | |
| Selachophidium guentheri | 0.10 | 2 | 0.04 | |
| Cryptopsaras couesii | 0.10 | 2 | 0.04 | |
| Bathypolypus valdiviae | 0.08 | 4 | 0.03 | |
| Merluccius paradoxus | 0.07 | 6 | 0.03 | 90 |
| Shark eggs | 0.06 | 4 | 0.02 | |
| Rossia enigmatica | 0.03 | 2 | 0.01 | |
| Lucigadus ori | 0.03 | 2 | 0.01 | |
| SALPS | 0.03 | 2 | 0.01 | |
| Munidopsis sp. | 0.02 | 2 | 0.01 | |
| Stereomastis sp. | 0.02 | 4 | 0.01 | |
| Chlorophthalmus sp. | 0.01 | 2 | 0.00 | |
| Total | 252.81 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 12
DATE :23/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°30.72
start stop duration Lon E 18°55.36
TIME :04:24:14 04:44:59 20.8 (min) Purpose : 3
LOG : 2999.55 3000.46 0.9 Region : 6100
FDEPTH: 549 551 Gear cond.: 0
BDEPTH: 549 551 Validity : 0
Towing dir: 0° Wire out : 1100 m Speed : 2.6 kn
Sorted : 6 Total catch: 6.46 Catch/hour: 18.67

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus braueri | 11.86 | 182 | 63.51 | |
| J E L L Y F I S H | 5.78 | 0 | 30.98 | |
| SALPS | 0.40 | 0 | 2.17 | |
| Etmopterus lucifer | 0.21 | 3 | 1.15 | |
| SALPS | 0.18 | 38 | 0.96 | 0 |
| Diaphus sp. | 0.06 | 23 | 0.31 | |
| Starfish | 0.06 | 32 | 0.31 | |
| Shark eggs | 0.05 | 3 | 0.25 | |
| Lycoteuthis lorigera | 0.04 | 3 | 0.20 | |
| Argyropelecus aculeatus | 0.01 | 3 | 0.08 | |
| ISOPODS | 0.00 | 3 | 0.02 | |
| Abraliopsis sp., juvenile | 0.00 | 3 | 0.02 | |
| Pterygioteuthis sp. | 0.00 | 3 | 0.02 | |
| Rochinia sp. | 0.00 | 3 | 0.02 | |
| Brama brama, juvenile | 0.00 | 3 | 0.02 | |
| Phyllosoma | 0.00 | 6 | 0.02 | |
| Total | 18.67 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 13
DATE :23/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°30.98
start stop duration Lon E 18°57.85
TIME :06:07:59 06:38:22 30.4 (min) Purpose : 3
LOG : 3006.17 3007.73 1.6 Region : 6100
FDEPTH: 466 488 Gear cond.: 0
BDEPTH: 466 488 Validity : 0
Towing dir: 0° Wire out : 1000 m Speed : 3.1 kn
Sorted : 305 Total catch: 1006.26 Catch/hour: 1986.69

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1230.01 | 6906 | 61.91 | 92 |
| Coelorinchus simorhynchus | 207.31 | 5183 | 10.43 | |
| Lophius vomerinus | 132.28 | 53 | 6.66 | 91 |
| Helicolenus dactylopterus | 71.87 | 843 | 3.62 | 97 |
| Merluccius paradoxus | 59.23 | 38 | 2.98 | 96 |
| Anemones, pink | 44.23 | 263 | 2.23 | |
| Todaropsis eblanae | 41.46 | 207 | 2.09 | 98 |
| Merluccius capensis | 41.46 | 16 | 2.09 | 95 |
| Lepidopus caudatus | 37.51 | 53 | 1.89 | |
| Centrolophus niger | 26.65 | 2 | 1.34 | |
| Malacocephalus laevis | 17.77 | 20 | 0.89 | |
| Octopus magnificus | 17.77 | 2 | 0.89 | |
| Genypterus capensis | 13.82 | 12 | 0.70 | 94 |
| Starfish | 10.37 | 0 | 0.52 | |
| Holohalaelurus regani | 7.90 | 22 | 0.40 | |
| Bassanago albescens | 5.92 | 12 | 0.30 | |
| Squalus mitsukurii | 5.92 | 2 | 0.30 | |
| Todaropsis eblanae | 4.15 | 28 | 0.21 | 99 |
| Zeus capensis | 1.97 | 2 | 0.10 | 93 |
| Scyliorhinus capensis | 1.97 | 2 | 0.10 | |
| J E L L Y F I S H | 1.95 | 41 | 0.10 | |
| Beryx splendens | 1.28 | 6 | 0.06 | |
| Parapagurus pilosimanus | 0.93 | 69 | 0.05 | |
| Lucigadus ori | 0.72 | 111 | 0.04 | |
| Rossia enigmatica | 0.44 | 14 | 0.02 | |
| Stereomastis sp. | 0.43 | 69 | 0.02 | |
| Octopus vulgaris | 0.39 | 2 | 0.02 | |
| Paracallionymus costatus | 0.35 | 41 | 0.02 | |
| Rochinia sp. | 0.29 | 83 | 0.01 | |
| CYPRAEIDAE (Bulia) | 0.12 | 28 | 0.01 | |
| Tripterophycis gilchristi | 0.11 | 14 | 0.01 | |
| Munidopsis sp. | 0.11 | 14 | 0.01 | |
| Total | 1986.69 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 14
DATE :23/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°29.77
start stop duration Lon E 18°57.64
TIME :08:12:23 08:42:39 30.3 (min) Purpose : 3
LOG : 3015.18 3016.75 1.6 Region : 6100
FDEPTH: 420 449 Gear cond.: 0
BDEPTH: 420 449 Validity : 0
Towing dir: 0° Wire out : 900 m Speed : 3.1 kn
Sorted : 294 Total catch: 792.73 Catch/hour: 1571.31

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 753.22 | 5326 | 47.94 | 102 |
| Coelorinchus simorhynchus | 227.95 | 5699 | 14.51 | |
| Merluccius capensis | 128.84 | 38 | 8.20 | 100 |
| Lophius vomerinus | 109.02 | 44 | 6.94 | 104 |
| Todaropsis eblanae | 82.46 | 684 | 5.25 | 106 |
| Helicolenus dactylopterus | 59.46 | 614 | 3.78 | 105 |
| Todaropsis eblanae | 54.51 | 535 | 3.47 | 107 |
| Anemones, pink | 29.73 | 168 | 1.89 | |
| Genypterus capensis | 25.77 | 26 | 1.64 | 101 |
| Octopus magnificus | 19.82 | 2 | 1.26 | |
| Starfish | 15.86 | 0 | 1.01 | |
| Lepidopus caudatus | 13.88 | 22 | 0.88 | |
| Scyliorhinus capensis | 13.88 | 18 | 0.88 | |
| Zeus capensis | 6.94 | 8 | 0.44 | 103 |
| Holohalaelurus regani | 6.34 | 14 | 0.40 | |
| Merluccius paradoxus | 5.15 | 2 | 0.33 | 108 |
| Malacocephalus laevis | 3.57 | 6 | 0.23 | |
| Parapagurus pilosimanus | 2.76 | 178 | 0.18 | |
| SALPS | 2.62 | 10 | 0.17 | |
| Rossia enigmatica | 1.98 | 99 | 0.13 | |
| Whelks | 1.06 | 40 | 0.07 | |
| Bassanago albescens | 0.99 | 2 | 0.06 | |
| Rochinia sp. | 0.86 | 248 | 0.05 | |
| Chlorophthalmus sp. | 0.76 | 20 | 0.05 | |
| Cyttus traversi | 0.75 | 4 | 0.05 | |
| Paracallionymus costatus | 0.72 | 109 | 0.05 | |
| Lucigadus ori | 0.61 | 79 | 0.04 | |
| Naucrates ductor | 0.38 | 10 | 0.02 | |
| Sepia hieronis | 0.37 | 10 | 0.02 | |
| Mursia cristimanus | 0.31 | 40 | 0.02 | |
| Stereomastis sp. | 0.19 | 30 | 0.01 | |
| Merluccius paradoxus | 0.15 | 10 | 0.01 | 109 |
| J E L L Y F I S H | 0.14 | 10 | 0.01 | |
| Bathypolypus valdiviae | 0.10 | 10 | 0.01 | |
| Physiculus capensis | 0.09 | 10 | 0.01 | |
| CYPRAEIDAE (Bulia) | 0.05 | 20 | 0.00 | |
| Snail | 0.04 | 10 | 0.00 | |
| Total | 1571.31 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 15
DATE :23/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°23.51
start stop duration Lon E 19°8.02
TIME :11:14:19 11:44:26 30.1 (min) Purpose : 3
LOG : 3031.22 3032.48 1.3 Region : 6100
FDEPTH: 228 224 Gear cond.: 0
BDEPTH: 228 224 Validity : 0
Towing dir: 0° Wire out : 550 m Speed : 2.5 kn
Sorted : 179 Total catch: 277.92 Catch/hour: 553.81

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Parapagurus dimorphus | 229.16 | 22916 | 41.38 | |
| Squalus mitsukurii | 55.80 | 58 | 10.07 | |
| Squalus megalops | 45.83 | 175 | 8.28 | |
| Merluccius capensis | 40.85 | 54 | 7.38 | 120 |
| Loligo reynaudi | 35.87 | 161 | 6.48 | 121 |
| Merluccius paradoxus | 18.93 | 56 | 3.42 | 119 |
| Todaropsis eblanae | 13.95 | 219 | 2.52 | 123 |
| Chelidonichthys capensis | 13.95 | 16 | 2.52 | 114 |
| Holohalaelurus regani | 12.95 | 50 | 2.34 | |
| Todaropsis eblanae | 11.36 | 147 | 2.05 | 124 |
| Lophius vomerinus | 10.56 | 12 | 1.91 | 118 |
| Lepidopus caudatus | 9.96 | 8 | 1.80 | |
| Trachurus capensis | 9.96 | 70 | 1.80 | 115 |
| Starfish | 9.96 | 0 | 1.80 | |
| Loligo reynaudi | 5.38 | 34 | 0.97 | 122 |
| Cynoglossus zanzibarensis | 4.98 | 44 | 0.90 | 111 |
| Helicolenus dactylopterus | 3.39 | 36 | 0.61 | 112 |
| Genypterus capensis | 2.99 | 2 | 0.54 | 110 |
| Raja wallacei | 2.99 | 6 | 0.54 | |
| J E L L Y F I S H | 2.99 | 0 | 0.54 | |
| Coelorinchus simorhynchus | 2.59 | 16 | 0.47 | |
| Paracallionymus costatus | 1.99 | 448 | 0.36 | |
| Chelidonichthys queketti | 1.59 | 10 | 0.29 | 113 |
| Raja pullopunctata | 1.39 | 2 | 0.25 | |
| Zeus capensis | 1.20 | 8 | 0.22 | 117 |
| Merluccius paradoxus | 0.89 | 255 | 0.16 | 125 |
| Myxine capensis | 0.60 | 4 | 0.11 | |
| Jasus lalandii | 0.60 | 2 | 0.11 | 116 |
| Rochinia sp. | 0.55 | 100 | 0.10 | |
| Spatangus capensis | 0.24 | 10 | 0.04 | |
| Exodromidia sp. | 0.11 | 10 | 0.02 | |
| Pterygosquilla armata capensis | 0.10 | 10 | 0.02 | |
| Nudibranchs | 0.05 | 10 | 0.01 | |
| Champsodon capensis | 0.04 | 8 | 0.01 | |
| Helicolenus dactylopterus | 0.03 | 40 | 0.01 | 126 |
| Raja leopardus, juvenile | 0.02 | 10 | 0.00 | |
| CYPRAEIDAE (Bulia) | 0.01 | 10 | 0.00 | |
| Total | 553.81 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 16
DATE :23/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°19.87
start stop duration Lon E 19°19.17
TIME :13:37:45 14:08:42 31.0 (min) Purpose : 3
LOG : 3043.24 3045.17 1.9 Region : 6100
FDEPTH: 183 185 Gear cond.: 0
BDEPTH: 183 185 Validity : 0
Towing dir: 0° Wire out : 460 m Speed : 3.8 kn
Sorted : 281 Total catch: 281.30 Catch/hour: 545.32

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 193.86 | 355 | 35.55 | 127 |
| Loligo reynaudi | 106.62 | 615 | 19.55 | 137 |
| Loligo reynaudi | 38.77 | 264 | 7.11 | 138 |
| Lepidopus caudatus | 36.83 | 31 | 6.75 | |
| Todaropsis eblanae | 26.56 | 465 | 4.87 | 142 |
| Callorhinchus capensis | 23.26 | 10 | 4.27 | |
| Todaropsis eblanae | 21.13 | 357 | 3.87 | 143 |
| Lophius vomerinus | 19.39 | 35 | 3.55 | 134 |
| Squalus megalops | 17.45 | 56 | 3.20 | |
| Chelidonichthys capensis | 12.60 | 25 | 2.31 | 129 |
| Trachurus capensis | 9.69 | 60 | 1.78 | 131 |
| Helicolenus dactylopterus | 7.75 | 155 | 1.42 | 130 |
| Mustelus palumbes | 4.85 | 2 | 0.89 | |
| Merluccius paradoxus | 4.85 | 17 | 0.89 | 128 |
| Holohalaelurus regani | 4.46 | 10 | 0.82 | |
| Chelidonichthys queketti | 3.88 | 16 | 0.71 | 132 |
| Zeus capensis | 2.52 | 29 | 0.46 | 133 |
| Spatangus capensis | 2.33 | 58 | 0.43 | |
| Starfish | 2.33 | 0 | 0.43 | |
| Raja wallacei | 1.16 | 2 | 0.21 | |
| Congiopodus spinifer | 0.97 | 4 | 0.18 | |
| Raja straeleni | 0.58 | 2 | 0.11 | |
| Paracallionymus costatus | 0.58 | 142 | 0.11 | |
| Cynoglossus zanzibarensis | 0.58 | 23 | 0.11 | 140 |
| Genypterus capensis | 0.47 | 2 | 0.09 | 135 |
| Merluccius capensis | 0.24 | 17 | 0.04 | 144 |
| J E L L Y F I S H | 0.24 | 14 | 0.04 | |
| Parapagurus dimorphus | 0.23 | 37 | 0.04 | |
| Exodromidia sp. | 0.20 | 16 | 0.04 | |
| Whelks | 0.18 | 6 | 0.03 | |
| Ophichthus bennettai | 0.16 | 2 | 0.03 | |
| Champsodon capensis | 0.14 | 19 | 0.03 | |
| Sepia australis | 0.13 | 8 | 0.02 | |
| Acanella arbuscula | 0.12 | 62 | 0.02 | |
| Rochinia sp. | 0.09 | 25 | 0.02 | |
| SALPS | 0.05 | 2 | 0.01 | |
| Merluccius paradoxus | 0.04 | 10 | 0.01 | 139 |
| Sepia hieronis | 0.03 | 2 | 0.01 | |
| Total | 545.32 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 17
DATE :23/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°11.96
start stop duration Lon E 19°25.05
TIME :15:55:51 16:26:10 30.3 (min) Purpose : 3
LOG : 3057.11 3058.67 1.6 Region : 6100
FDEPTH: 169 170 Gear cond.: 0
BDEPTH: 169 170 Validity : 0
Towing dir: 0° Wire out : 430 m Speed : 3.1 kn
Sorted : 596 Total catch: 625.96 Catch/hour: 1238.71

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 352.24 | 662 | 28.44 | 136 |
| Chelidonichthys capensis | 253.30 | 543 | 20.45 | 146 |
| Loligo reynaudi | 197.10 | 1022 | 15.91 | 152 |
| Squalus megalops | 63.32 | 142 | 5.11 | |
| Parapagurus dimorphus | 55.61 | 49985 | 4.49 | |
| Raja straeleni | 41.56 | 61 | 3.35 | |
| Loligo reynaudi | 36.41 | 255 | 2.94 | 153 |
| Lophius vomerinus | 31.66 | 30 | 2.56 | 148 |
| Callorhinchus capensis | 31.66 | 18 | 2.56 | |
| Todaropsis eblanae | 29.68 | 514 | 2.40 | 151 |
| Chelidonichthys queketti | 29.68 | 144 | 2.40 | 150 |
| Holohalaelurus regani | 25.73 | 67 | 2.08 | |
| Helicolenus dactylopterus | 15.83 | 273 | 1.28 | 147 |
| Spatangus capensis | 11.87 | 0 | 0.96 | |
| Mustelus palumbes | 11.87 | 10 | 0.96 | |
| Sepia australis | 11.08 | 370 | 0.89 | |
| Merluccius paradoxus | 8.51 | 22 | 0.69 | 149 |
| Zeus capensis | 6.93 | 99 | 0.56 | 145 |
| Genypterus capensis | 3.96 | 20 | 0.32 | 141 |
| Scyliorhinus capensis | 3.96 | 34 | 0.32 | |
| J E L L Y F I S H | 3.46 | 0 | 0.28 | |
| Merluccius capensis | 2.77 | 505 | 0.22 | 156 |
| Cynoglossus zanzibarensis | 2.77 | 79 | 0.22 | 154 |
| Starfish | 2.37 | 0 | 0.19 | |
| Paracallionymus costatus | 1.80 | 467 | 0.15 | |
| P O L Y C H A E T A | 1.74 | 261 | 0.14 | |
| Trachurus capensis | 0.99 | 8 | 0.08 | 155 |
| Zeus capensis | 0.36 | 36 | 0.03 | |
| Acanella arbuscula | 0.26 | 139 | 0.02 | |
| Congiopodus spinifer | 0.22 | 4 | 0.02 | |
| Total | 1238.71 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 18
DATE :24/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°15.73
start stop duration Lon E 18°42.06
TIME :04:25:25 04:50:41 25.3 (min) Purpose : 3
LOG : 3108.27 3109.65 1.4 Region : 6100
FDEPTH: 476 518 Gear cond.: 0
BDEPTH: 476 518 Validity : 0
Towing dir: 0° Wire out : 1110 m Speed : 3.3 kn
Sorted : 222 Total catch: 222.13 Catch/hour: 527.42

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus simorhynchus | 137.71 | 2025 | 26.11 | |
| Merluccius paradoxus | 121.09 | 159 | 22.96 | 159 |
| Merluccius paradoxus | 66.48 | 135 | 12.61 | 160 |
| Anemones, pink | 37.99 | 237 | 7.20 | |
| Centrophorus squamosus | 33.24 | 2 | 6.30 | |
| Helicolenus dactylopterus | 28.49 | 323 | 5.40 | 161 |
| Genypterus capensis | 22.56 | 5 | 4.28 | 158 |
| Lophius vomerinus | 18.05 | 7 | 3.42 | 157 |
| Bathyraja smithii | 16.62 | 2 | 3.15 | |
| Notacanthus sexspinis | 11.87 | 166 | 2.25 | |
| J E L L Y F I S H | 10.68 | 0 | 2.03 | |
| Holohalaelurus regani | 8.79 | 394 | 1.67 | |
| Starfish | 2.37 | 0 | 0.45 | |
| Whelks | 1.97 | 88 | 0.37 | |
| Tripterophycis gilchristi | 1.66 | 76 | 0.32 | |
| Plesionika martia | 1.32 | 264 | 0.25 | |
| Parapagurus pilosimanus | 1.19 | 43 | 0.23 | |
| Lucigadus ori | 1.00 | 64 | 0.19 | |
| Paracallionymus costatus | 0.83 | 116 | 0.16 | |
| Myxine capensis | 0.59 | 5 | 0.11 | |
| Stereomastis sp. | 0.47 | 112 | 0.09 | |
| P O L Y C H A E T A | 0.43 | 52 | 0.08 | |
| Todaropsis eblanae | 0.40 | 2 | 0.08 | 163 |
| Scomberesox saurus | 0.35 | 2 | 0.07 | |
| Merluccius paradoxus | 0.26 | 5 | 0.05 | 162 |
| Physiculus capensis | 0.25 | 9 | 0.05 | |
| Rochinia sp. | 0.20 | 19 | 0.04 | |
| Etmopterus lucifer | 0.16 | 5 | 0.03 | |
| Coelorinchus braueri | 0.11 | 19 | 0.02 | |
| Hoplostethus mediterraneus | 0.05 | 95 | 0.01 | |
| Funchalia woodwardi | 0.05 | 2 | 0.01 | |
| Acanella arbuscula | 0.05 | 28 | 0.01 | |
| Raja leopardus, juvenile | 0.04 | 5 | 0.01 | |
| Lampanyctodes hectoris | 0.03 | 24 | 0.00 | |
| Chaunax pictus | 0.02 | 2 | 0.00 | |
| Pterygosquilla armata capensis | 0.02 | 2 | 0.00 | |
| CYPRAEIDAE (Bulia) | 0.01 | 5 | 0.00 | |
| Psychrolutes macrocephalus, juvenile | 0.00 | 2 | 0.00 | |
| Total | 527.42 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 19
DATE :24/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°14.51
start stop duration Lon E 18°43.56
TIME :06:38:15 07:09:18 31.1 (min) Purpose : 3
LOG : 3116.10 3117.34 1.2 Region : 6100
FDEPTH: 363 338 Gear cond.: 0
BDEPTH: 363 338 Validity : 0
Towing dir: 0° Wire out : 850 m Speed : 2.4 kn
Sorted : 137 Total catch: 202.21 Catch/hour: 390.61

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus simorhynchus | 89.83 | 1198 | 23.00 | |
| Lophius vomerinus | 83.07 | 48 | 21.27 | 166 |
| Genypterus capensis | 42.50 | 23 | 10.88 | 164 |
| Merluccius paradoxus | 36.70 | 73 | 9.40 | 165 |
| Helicolenus dactylopterus | 34.77 | 290 | 8.90 | 167 |
| Parapagurus dimorphus | 34.77 | 3950 | 8.90 | |
| ANTHOZOA (Sea anemones) | 33.03 | 145 | 8.46 | |
| J E L L Y F I S H | 6.95 | 0 | 1.78 | |
| Starfish | 4.93 | 0 | 1.26 | |
| Paracallionymus costatus | 3.77 | 359 | 0.96 | |
| Cynoglossus zanzibarensis | 3.77 | 29 | 0.96 | 173 |
| Merluccius capensis | 2.90 | 2 | 0.74 | 168 |
| Malacocephalus laevis | 2.32 | 10 | 0.59 | |
| Lucigadus ori | 2.30 | 371 | 0.59 | |
| Todaropsis eblanae | 1.39 | 12 | 0.36 | 174 |
| Zeus capensis | 1.35 | 2 | 0.35 | 169 |
| Holohalaelurus regani, juvenile | 0.89 | 46 | 0.23 | |
| Whelks | 0.87 | 17 | 0.22 | |
| Tripterophycis gilchristi | 0.81 | 87 | 0.21 | |
| Lepidopus caudatus | 0.48 | 2 | 0.12 | |
| Notacanthus sexspinis | 0.42 | 12 | 0.11 | |
| Myxine capensis | 0.39 | 2 | 0.10 | |
| Ophichthus bennettai | 0.39 | 2 | 0.10 | |
| Physiculus capensis | 0.34 | 29 | 0.09 | |
| PALAEMONIDAE | 0.32 | 41 | 0.08 | |
| Rossia enigmatica | 0.27 | 12 | 0.07 | |
| Helicolenus dactylopterus | 0.20 | 75 | 0.05 | 175 |
| Pterygosquilla armata capensis | 0.13 | 12 | 0.03 | |
| CYPRAEIDAE (Bulia) | 0.13 | 35 | 0.03 | |
| Rochinia sp. | 0.12 | 6 | 0.03 | |
| G A S T R O P O D S | 0.10 | 12 | 0.03 | |
| Merluccius paradoxus | 0.08 | 12 | 0.02 | 172 |
| Lophius vomerinus | 0.07 | 17 | 0.02 | 170 |
| P O L Y C H A E T A | 0.06 | 6 | 0.02 | |
| Maurolicus muelleri | 0.05 | 35 | 0.01 | |
| Parapenaeus sp. | 0.05 | 17 | 0.01 | |
| Champsodon capensis | 0.04 | 6 | 0.01 | |
| Bristle worms (straws) | 0.03 | 17 | 0.01 | |
| Stereomastis sp. | 0.02 | 6 | 0.01 | |
| Trachurus capensis | 0.02 | 6 | 0.00 | 171 |
| Total | 390.61 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 20
DATE :24/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°9.53
start stop duration Lon E 18°51.83
TIME :08:59:06 09:31:12 32.1 (min) Purpose : 3
LOG : 3127.09 3128.73 1.6 Region : 6100
FDEPTH: 225 223 Gear cond.: 0
BDEPTH: 225 223 Validity : 0
Towing dir: 0° Wire out : 550 m Speed : 3.1 kn
Sorted : 779 Total catch: 935.46 Catch/hour: 1747.98

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 579.26 | 543 | 33.14 | 177 |
| Merluccius paradoxus | 325.13 | 1363 | 18.60 | 179 |
| Merluccius capensis | 256.00 | 461 | 14.65 | 176 |
| Parapagurus dimorphus | 235.44 | 26754 | 13.47 | |
| Squalus megalops | 108.38 | 303 | 6.20 | |
| Todaropsis eblanae | 56.06 | 818 | 3.21 | 184 |
| Holohalaelurus regani | 42.98 | 166 | 2.46 | |
| Chelidonichthys capensis | 29.90 | 52 | 1.71 | 182 |
| Helicolenus dactylopterus | 28.03 | 194 | 1.60 | 186 |
| Lophius vomerinus | 16.82 | 32 | 0.96 | 180 |
| Trachurus capensis | 14.95 | 47 | 0.86 | 181 |
| Mustelus palumbes | 13.08 | 4 | 0.75 | |
| Lepidopus caudatus | 7.47 | 36 | 0.43 | |
| Zeus capensis | 5.61 | 21 | 0.32 | 185 |
| Chelidonichthys queketti | 5.61 | 19 | 0.32 | 183 |
| Callorhinchus capensis | 5.61 | 2 | 0.32 | |
| Loligo reynaudi | 3.80 | 22 | 0.22 | 178 |
| Paracallionymus costatus | 3.36 | 561 | 0.19 | |
| Raja pullopunctata | 1.87 | 2 | 0.11 | |
| Loligo reynaudi | 1.79 | 11 | 0.10 | 190 |
| Scyliorhinus capensis | 1.12 | 2 | 0.06 | |
| Starfish | 1.09 | 11 | 0.06 | |
| Coelorinchus simorhynchus | 0.94 | 11 | 0.05 | |
| Cynoglossus zanzibarensis | 0.91 | 11 | 0.05 | 189 |
| Brama brama | 0.57 | 2 | 0.03 | 188 |
| Genypterus capensis | 0.52 | 2 | 0.03 | 187 |
| Starfish | 0.49 | 56 | 0.03 | 0 |
| Starfish white 5 arms | 0.37 | 45 | 0.02 | |
| Spatangus capensis | 0.35 | 22 | 0.02 | |
| Sepia australis | 0.26 | 11 | 0.01 | |
| CYPRAEIDAE (Bulia) | 0.21 | 11 | 0.01 | |
| Total | 1747.96 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 21
DATE :24/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°0.79
start stop duration Lon E 19°5.85
TIME :13:38:16 14:10:43 32.4 (min) Purpose : 3
LOG : 3149.34 3150.99 1.6 Region : 6100
FDEPTH: 174 173 Gear cond.: 0
BDEPTH: 174 173 Validity : 0
Towing dir: 0° Wire out : 420 m Speed : 3.0 kn
Sorted : 534 Total catch: 533.76 Catch/hour: 987.22

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Loligo reynaudi | 201.42 | 1294 | 20.40 | 199 |
| Merluccius capensis | 150.55 | 281 | 15.25 | 197 |
| Merluccius capensis | 130.58 | 210 | 13.23 | 208 |
| Chelidonichthys capensis | 85.08 | 196 | 8.62 | 193 |
| Lophius vomerinus | 62.89 | 74 | 6.37 | 194 |
| Loligo reynaudi | 46.42 | 379 | 4.70 | 198 |
| Raja straeleni | 44.39 | 37 | 4.50 | |
| Squalus megalops | 38.84 | 81 | 3.93 | |
| Merluccius paradoxus | 33.29 | 122 | 3.37 | 196 |
| Todaropsis eblanae | 33.29 | 721 | 3.37 | 201 |
| Callorhinchus capensis | 31.44 | 2 | 3.18 | |
| Helicolenus dactylopterus | 26.82 | 313 | 2.72 | 200 |
| Merluccius capensis | 20.35 | 475 | 2.06 | 203 |
| Lepidopus caudatus | 12.95 | 20 | 1.31 | |
| Spatangus capensis | 12.95 | 259 | 1.31 | |
| Zeus capensis | 12.95 | 121 | 1.31 | 195 |
| Chelidonichthys queketti | 10.17 | 44 | 1.03 | 192 |
| Holohalaelurus regani | 7.40 | 17 | 0.75 | |
| Starfish | 5.92 | 98 | 0.60 | |
| Mustelus palumbes | 3.70 | 2 | 0.37 | |
| Cynoglossus zanzibarensis | 3.70 | 70 | 0.37 | 202 |
| Merluccius paradoxus | 2.96 | 435 | 0.30 | 205 |
| Paracallionymus costatus | 2.22 | 516 | 0.22 | |
| Sepia australis | 1.57 | 63 | 0.16 | |
| Genypterus capensis | 1.17 | 9 | 0.12 | 191 |
| Trachurus capensis | 1.11 | 4 | 0.11 | 204 |
| Jasus lalandii | 0.84 | 4 | 0.09 | 207 |
| Champsodon capensis | 0.55 | 39 | 0.06 | |
| Jasus lalandii | 0.42 | 2 | 0.04 | 206 |
| Coelorinchus simorhynchus | 0.35 | 4 | 0.04 | |
| Raja pullopunctata | 0.18 | 2 | 0.02 | |
| CYPRAEIDAE (Bulia) | 0.18 | 7 | 0.02 | |
| Turitella | 0.18 | 18 | 0.02 | |
| Parapagurus dimorphus | 0.18 | 0 | 0.02 | |
| Congiopodus spinifer | 0.16 | 2 | 0.02 | |
| Nudibranchs | 0.04 | 2 | 0.00 | |
| Total | 987.22 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 22
DATE :24/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°54.28
start stop duration Lon E 19°13.10
TIME :16:23:33 16:54:08 30.6 (min) Purpose : 3
LOG : 3162.17 3163.79 1.6 Region : 6100
FDEPTH: 156 157 Gear cond.: 0
BDEPTH: 156 157 Validity : 0
Towing dir: 0° Wire out : 385 m Speed : 3.2 kn
Sorted : 346 Total catch: 1632.31 Catch/hour: 3202.71

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 2780.25 | 30008 | 86.81 | 213 |
| Loligo reynaudi | 92.22 | 1199 | 2.88 | 214 |
| Chelidonichthys capensis | 88.29 | 210 | 2.76 | 210 |
| Callorhinchus capensis | 45.13 | 22 | 1.41 | |
| Lophius vomerinus | 37.28 | 43 | 1.16 | 209 |
| Merluccius capensis | 35.32 | 27 | 1.10 | 212 |
| Raja straeleni | 31.39 | 20 | 0.98 | |
| Trachurus capensis | 23.74 | 950 | 0.74 | 217 |
| Todaropsis eblanae | 13.17 | 264 | 0.41 | 216 |
| Zeus capensis | 13.15 | 210 | 0.41 | 220 |
| Merluccius capensis | 9.73 | 1054 | 0.30 | 219 |
| Merluccius paradoxus | 9.22 | 26 | 0.29 | 218 |
| Cynoglossus zanzibarensis | 5.95 | 66 | 0.19 | 221 |
| Starfish | 5.28 | 198 | 0.16 | |
| Sepia australis | 4.75 | 302 | 0.15 | |
| Genypterus capensis | 3.30 | 26 | 0.10 | 215 |
| Pterygosquilla armata capensis | 2.63 | 210 | 0.08 | |
| Paracallionymus costatus | 1.13 | 237 | 0.04 | |
| Chelidonichthys queketti | 0.59 | 4 | 0.02 | 211 |
| Helicolenus dactylopterus | 0.13 | 26 | 0.00 | 222 |
| Exodromidia sp. | 0.08 | 14 | 0.00 | |
| Total | 3202.71 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 23
DATE :24/01/2011 GEAR TYPE: PT NO: 2 POSITION:Lat S 34°55.69
start stop duration Lon E 19°7.43
TIME :18:42:03 18:57:45 15.7 (min) Purpose : 1
LOG : 3172.53 3173.76 1.2 Region : 6100
FDEPTH: 27 27 Gear cond.: 0
BDEPTH: 166 168 Validity : 0
Towing dir: 0° Wire out : 110 m Speed : 4.7 kn
Sorted : 37 Total catch: 364.51 Catch/hour: 1393.03

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Engraulis capensis | 1375.80 | 123944 | 98.76 | |
| Thyrsites atun | 4.20 | 4 | 0.30 | 223 |
| Todaropsis eblanae | 3.17 | 76 | 0.23 | 225 |
| Sardinops ocellatus | 3.10 | 153 | 0.22 | 227 |
| Loligo reynaudi | 3.06 | 38 | 0.22 | 224 |
| Etrumeus whiteheadi | 2.29 | 76 | 0.16 | 228 |
| Merluccius capensis | 1.41 | 38 | 0.10 | 226 |
| Total | 1393.03 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 24
DATE :25/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 35°0.63
start stop duration Lon E 18°28.61
TIME :04:23:50 04:54:12 30.4 (min) Purpose : 3
LOG : 3229.75 3231.30 1.6 Region : 6100
FDEPTH: 571 570 Gear cond.: 0
BDEPTH: 571 570 Validity : 0
Towing dir: 0° Wire out : 1170 m Speed : 3.1 kn
Sorted : 213 Total catch: 212.92 Catch/hour: 420.65

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 88.90 | 26 | 21.13 | 232 |
| Coelorinchus braueri | 81.00 | 1349 | 19.26 | |
| Chaceon maritae | 55.32 | 460 | 13.15 | |
| Etmopterus lucifer | 29.63 | 494 | 7.04 | |
| Centrophorus squamosus, female | 23.71 | 2 | 5.64 | |
| Lophius vomerinus | 23.71 | 4 | 5.64 | 230 |
| Helicolenus dactylopterus | 18.77 | 132 | 4.46 | 233 |
| Coelorinchus simorhynchus | 17.78 | 178 | 4.23 | |
| Merluccius paradoxus | 11.85 | 67 | 2.82 | 231 |
| Bassanago albescens | 8.30 | 10 | 1.97 | |
| Coelorinchus matamua | 8.30 | 41 | 1.97 | |
| Anemones, pink | 5.93 | 22 | 1.41 | |
| Genypterus capensis | 5.53 | 4 | 1.32 | 229 |
| Sea cucumber | 4.94 | 32 | 1.17 | |
| Nezumia sp. | 4.74 | 316 | 1.13 | |
| Psychrolutes macrocephalus | 4.54 | 14 | 1.08 | |
| Histioteuthis miranda | 3.95 | 2 | 0.94 | |
| Notacanthus sexspinis | 3.56 | 43 | 0.85 | |
| Starfish | 3.16 | 0 | 0.75 | |
| Kuronezumia leonis | 2.96 | 8 | 0.70 | |
| Whelks | 2.57 | 71 | 0.61 | |
| Eptatretus profundus | 2.37 | 4 | 0.56 | |
| Lepidion capensis | 2.37 | 18 | 0.56 | |
| Raja leopardus | 1.78 | 28 | 0.42 | |
| Synaphobranchus kaupii | 1.19 | 8 | 0.28 | |
| J E L L Y F I S H | 0.99 | 0 | 0.23 | |
| Plesionika martia | 0.59 | 115 | 0.14 | |
| Bathypolypus valdiviae | 0.41 | 10 | 0.10 | |
| Cruriraja parcomaculata | 0.40 | 2 | 0.09 | |
| Myxine capensis | 0.40 | 4 | 0.09 | |
| Photichthys argenteus | 0.21 | 4 | 0.05 | |
| Nezumia sp. | 0.17 | 2 | 0.04 | 0 |
| Bristle worms (straws) | 0.15 | 38 | 0.04 | |
| Tripterophycis gilchristi | 0.11 | 4 | 0.03 | |
| Rossia sp. | 0.10 | 8 | 0.02 | |
| Physiculus capensis | 0.05 | 2 | 0.01 | |
| Parapagurus pilosimanus | 0.05 | 4 | 0.01 | |
| Eggs of ray | 0.04 | 2 | 0.01 | |
| Aristeus varidens | 0.04 | 2 | 0.01 | |
| Gymnoscopelus sp. | 0.03 | 2 | 0.01 | |
| Lucigadus ori | 0.02 | 2 | 0.00 | |
| Munidopsis sp. | 0.02 | 2 | 0.00 | |
| Champsodon capensis | 0.02 | 2 | 0.00 | |
| Total | 420.65 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 25
DATE :25/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°49.74
start stop duration Lon E 18°25.36
TIME :06:56:28 07:27:03 30.6 (min) Purpose : 3
LOG : 3246.03 3247.52 1.5 Region : 6100
FDEPTH: 350 380 Gear cond.: 0
BDEPTH: 350 380 Validity : 0
Towing dir: 0° Wire out : 860 m Speed : 2.9 kn
Sorted : 698 Total catch: 697.70 Catch/hour: 1368.49

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 611.96 | 1805 | 44.72 | 235 |
| Merluccius paradoxus | 364.83 | 257 | 26.66 | 246 |
| Coelorinchus simorhynchus | 109.84 | 1098 | 8.03 | |
| Genypterus capensis | 88.26 | 24 | 6.45 | 234 |
| Merluccius paradoxus | 80.42 | 104 | 5.88 | 245 |
| Merluccius capensis | 66.69 | 22 | 4.87 | 244 |
| Helicolenus dactylopterus | 14.91 | 51 | 1.09 | 239 |
| Merluccius capensis | 8.83 | 4 | 0.64 | 243 |
| Lophius vomerinus | 5.30 | 2 | 0.39 | 238 |
| Zeus capensis | 2.94 | 4 | 0.21 | 236 |
| J E L L Y F I S H | 2.94 | 0 | 0.21 | |
| Todarodes angolensis | 2.35 | 2 | 0.17 | 237 |
| Todaropsis eblanae | 1.96 | 14 | 0.14 | 241 |
| Cynoglossus zanzibarensis | 1.96 | 18 | 0.14 | 240 |
| Raja leopardus | 1.37 | 14 | 0.10 | |
| Starfish | 0.98 | 0 | 0.07 | |
| Whelks | 0.69 | 33 | 0.05 | |
| Paracallionymus costatus | 0.59 | 92 | 0.04 | |
| Maurolicus muelleri | 0.39 | 0 | 0.03 | |
| Merluccius paradoxus | 0.20 | 14 | 0.01 | 242 |
| Bathypolypus valdiviae | 0.19 | 2 | 0.01 | |
| Rochinia sp. | 0.16 | 10 | 0.01 | |
| Amalda obtusa | 0.15 | 31 | 0.01 | |
| Parapagurus pilosimanus | 0.14 | 14 | 0.01 | |
| Physiculus capensis | 0.11 | 6 | 0.01 | |
| Myxine capensis | 0.11 | 2 | 0.01 | |
| Tripterophycis gilchristi | 0.09 | 6 | 0.01 | |
| Cyttus traversi | 0.05 | 2 | 0.00 | |
| Champsodon capensis | 0.03 | 6 | 0.00 | |
| Cone gastropod | 0.03 | 2 | 0.00 | |
| Mursia cristimanus | 0.02 | 2 | 0.00 | |
| Total | 1368.49 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 26
DATE :25/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°52.18
start stop duration Lon E 18°33.37
TIME :09:09:42 09:40:11 30.5 (min) Purpose : 3
LOG : 3257.30 3258.75 1.5 Region : 6100
FDEPTH: 231 226 Gear cond.: 0
BDEPTH: 231 226 Validity : 0
Towing dir: 0° Wire out : 550 m Speed : 2.9 kn
Sorted : 423 Total catch: 1645.11 Catch/hour: 3238.41

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 2161.42 | 17100 | 66.74 | 250 |
| Coelorinchus simorhynchus | 309.06 | 4829 | 9.54 | |
| Lophius vomerinus | 159.45 | 120 | 4.92 | 248 |
| Jasus lalandii | 153.54 | 412 | 4.74 | 247 |
| Merluccius capensis | 122.05 | 53 | 3.77 | 257 |
| Helicolenus dactylopterus | 117.68 | 1466 | 3.63 | 253 |
| Merluccius capensis | 68.90 | 35 | 2.13 | 256 |
| Raja straeleni | 23.62 | 8 | 0.73 | |
| Merluccius paradoxus | 23.62 | 28 | 0.73 | 252 |
| Paracallionymus costatus | 22.44 | 3299 | 0.69 | |
| Todaropsis eblanae | 16.00 | 212 | 0.49 | 261 |
| Holohalaelurus regani | 13.50 | 96 | 0.42 | |
| Trachurus capensis | 11.57 | 58 | 0.36 | 260 |
| Loligo reynaudi | 9.65 | 58 | 0.30 | 259 |
| Cynoglossus zanzibarensis | 5.79 | 116 | 0.18 | 255 |
| Malacocephalus laevis | 5.39 | 39 | 0.17 | |
| Merluccius paradoxus | 3.86 | 154 | 0.12 | 254 |
| Chelidonichthys capensis | 3.15 | 4 | 0.10 | 258 |
| Todarodes angolensis | 2.76 | 2 | 0.09 | 249 |
| Genypterus capensis | 2.56 | 6 | 0.08 | 251 |
| Starfish white 5 arms | 1.43 | 39 | 0.04 | |
| Starfish | 0.73 | 39 | 0.02 | |
| Mursia cristimanus | 0.23 | 20 | 0.01 | |
| Parapagurus dimorphus | 0.02 | 20 | 0.00 | |
| Total | 3238.41 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 27
DATE :25/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°45.08
start stop duration Lon E 18°44.45
TIME :12:47:36 13:18:38 31.0 (min) Purpose : 3
LOG : 3273.34 3274.79 1.4 Region : 6100
FDEPTH: 175 176 Gear cond.: 0
BDEPTH: 175 176 Validity : 0
Towing dir: 0° Wire out : 420 m Speed : 2.8 kn
Sorted : 382 Total catch: 885.59 Catch/hour: 1712.38

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 725.10 | 4269 | 42.34 | 267 |
| Lophius vomerinus | 141.15 | 240 | 8.24 | 263 |
| Jasus lalandii | 131.49 | 512 | 7.68 | 266 |
| Anemones, red | 85.47 | 2848 | 4.99 | |
| Chelidonichthys capensis | 83.15 | 151 | 4.86 | 262 |
| Merluccius paradoxus | 69.15 | 15662 | 4.04 | 271 |
| Sepia australis | 62.46 | 5037 | 3.65 | |
| Todaropsis eblanae | 59.70 | 1203 | 3.49 | 265 |
| Loligo reynaudi | 56.94 | 478 | 3.33 | 276 |
| Raja straeleni | 44.47 | 27 | 2.60 | |
| Coelorinchus simorhynchus | 36.74 | 735 | 2.15 | |
| Merluccius capensis | 36.74 | 23 | 2.15 | 270 |
| Merluccius capensis | 25.14 | 19 | 1.47 | 269 |
| Paracallionymus costatus | 23.01 | 4184 | 1.34 | |
| Loligo reynaudi | 22.96 | 202 | 1.34 | 275 |
| Callorhinchus capensis | 17.40 | 8 | 1.02 | |
| Merluccius capensis | 15.61 | 46 | 0.91 | 268 |
| Helicolenus dactylopterus | 15.06 | 588 | 0.88 | 272 |
| Cynoglossus zanzibarensis | 13.78 | 257 | 0.80 | 277 |
| Mustelus palumbes | 7.73 | 4 | 0.45 | |
| J E L L Y F I S H | 6.38 | 0 | 0.37 | |
| Holohalaelurus regani | 5.51 | 37 | 0.32 | |
| Zeus capensis | 4.59 | 55 | 0.27 | 274 |
| Trachurus capensis | 4.22 | 37 | 0.25 | 273 |
| Chelidonichthys queketti | 3.87 | 19 | 0.23 | 264 |
| Raja alba | 3.87 | 2 | 0.23 | |
| Torpedo nobiliana | 3.48 | 2 | 0.20 | |
| Acanella arbuscula | 2.73 | 64 | 0.16 | |
| Ascidans | 1.93 | 101 | 0.11 | |
| Pterygosquilla armata capensis | 0.55 | 19 | 0.03 | |
| Congiopodus spinifer | 0.50 | 10 | 0.03 | |
| CYPRAEIDAE (Bulia) | 0.35 | 19 | 0.02 | |
| Champsodon capensis | 0.33 | 37 | 0.02 | |
| Bathypolypus valdiviae | 0.28 | 19 | 0.02 | |
| Mursia cristimanus | 0.16 | 19 | 0.01 | |
| Turitella | 0.14 | 19 | 0.01 | |
| Parapagurus dimorphus | 0.14 | 10 | 0.01 | |
| Maurolicus muelleri | 0.10 | 0 | 0.01 | |
| Total | 1712.38 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 28
DATE :25/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°37.80
start stop duration Lon E 18°56.07
TIME :15:29:26 15:59:34 30.1 (min) Purpose : 3
LOG : 3288.61 3290.05 1.4 Region : 6100
FDEPTH: 142 140 Gear cond.: 0
BDEPTH: 142 140 Validity : 0
Towing dir: 0° Wire out : 350 m Speed : 2.9 kn
Sorted : 400 Total catch: 605.35 Catch/hour: 1205.07

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 378.23 | 1830 | 31.39 | 284 |
| Chelidonichthys capensis | 161.25 | 512 | 13.38 | 278 |
| Merluccius capensis | 125.41 | 139 | 10.41 | 282 |
| Raja alba | 99.54 | 2 | 8.26 | |
| Lophius vomerinus | 83.61 | 96 | 6.94 | 280 |
| Merluccius capensis | 59.72 | 56 | 4.96 | 283 |
| Callorhinchus capensis | 53.75 | 28 | 4.46 | |
| Trachurus capensis | 53.09 | 1175 | 4.41 | 285 |
| Raja straeleni | 33.84 | 20 | 2.81 | |
| Merluccius capensis | 32.45 | 4821 | 2.69 | 289 |
| Todaropsis eblanae | 19.91 | 577 | 1.65 | 292 |
| Paracallionymus costatus | 15.33 | 2948 | 1.27 | |
| Sepia australis | 15.33 | 1381 | 1.27 | |
| Pterygosquilla armata capensis | 13.34 | 1481 | 1.11 | |
| Cynoglossus zanzibarensis | 11.29 | 232 | 0.94 | 286 |
| Merluccius capensis | 10.62 | 365 | 0.88 | 288 |
| Spatangus capensis | 7.96 | 86 | 0.66 | |
| Starfish | 7.96 | 0 | 0.66 | |
| Loligo reynaudi | 3.38 | 0 | 0.28 | |
| Genypterus capensis | 2.19 | 12 | 0.18 | 279 |
| J E L L Y F I S H | 1.99 | 0 | 0.17 | |
| Eggs of ray | 1.99 | 6 | 0.17 | |
| Jasus lalandii | 1.99 | 10 | 0.17 | 281 |
| Mursia cristimanus | 1.85 | 133 | 0.15 | |
| Anemones, red | 1.61 | 80 | 0.13 | |
| Zeus capensis | 1.59 | 60 | 0.13 | 290 |
| Nudibranchs | 1.16 | 93 | 0.10 | |
| Helicolenus dactylopterus | 1.13 | 193 | 0.09 | 287 |
| Coelorinchus simorhynchus | 0.80 | 20 | 0.07 | |
| Lophius vomerinus | 0.66 | 40 | 0.06 | 293 |
| Parapagurus dimorphus | 0.62 | 139 | 0.05 | |
| Congiopodus spinifer | 0.33 | 14 | 0.03 | |
| Acanella arbuscula | 0.26 | 86 | 0.02 | |
| Sepia hieronis | 0.25 | 6 | 0.02 | |
| Exodromidia sp. | 0.25 | 34 | 0.02 | |
| Goneplax angulata | 0.16 | 14 | 0.01 | |
| Champsodon capensis | 0.10 | 6 | 0.01 | |
| Shrimps, small, non comm. | 0.07 | 26 | 0.01 | |
| G A S T R O P O D S | 0.05 | 14 | 0.00 | |
| Rochinia sp. | 0.02 | 6 | 0.00 | |
| Total | 1205.07 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 29
DATE :26/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°48.78
start stop duration Lon E 18°17.08
TIME :04:23:50 04:53:44 29.9 (min) Purpose : 3
LOG : 3355.08 3356.45 1.4 Region : 6100
FDEPTH: 502 503 Gear cond.: 0
BDEPTH: 502 503 Validity : 0
Towing dir: 0° Wire out : 1120 m Speed : 2.8 kn
Sorted : 95 Total catch: 95.38 Catch/hour: 191.47

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 40.15 | 50 | 20.97 | 297 |
| Coelorinchus simorhynchus | 34.13 | 683 | 17.82 | |
| Merluccius paradoxus | 26.10 | 64 | 13.63 | 296 |
| Helicolenus dactylopterus | 18.07 | 141 | 9.44 | 295 |
| Genypterus capensis | 16.06 | 14 | 8.39 | 294 |
| Notacanthus sexspinis | 12.04 | 94 | 6.29 | |
| Lophius vomerinus | 8.03 | 4 | 4.19 | 291 |
| Chaceon maritae | 6.02 | 40 | 3.15 | |
| Psychrolutes macrocephalus | 4.22 | 34 | 2.20 | |
| Anemones, pink | 3.41 | 30 | 1.78 | |
| Coelorinchus braueri | 3.01 | 100 | 1.57 | |
| Myxine capensis | 2.81 | 38 | 1.47 | |
| Starfish | 2.61 | 130 | 1.36 | |
| Todaropsis eblanae | 2.31 | 36 | 1.21 | 299 |
| Synaphobranchus kaupii | 2.29 | 32 | 1.20 | |
| Plesionika martia | 2.01 | 287 | 1.05 | |
| Etmopterus lucifer | 1.71 | 16 | 0.89 | |
| Bassanago albescens | 1.20 | 4 | 0.63 | |
| J E L L Y F I S H | 1.20 | 0 | 0.63 | |
| Whelks | 1.00 | 28 | 0.52 | |
| Raja confundens | 0.60 | 2 | 0.31 | |
| Malacocephalus laevis | 0.50 | 2 | 0.26 | |
| Pterygosquilla armata capensis | 0.40 | 68 | 0.21 | |
| Merluccius paradoxus | 0.40 | 18 | 0.21 | 298 |
| Rochinia sp. | 0.16 | 24 | 0.08 | |
| Lucigadus ori | 0.16 | 12 | 0.08 | |
| Chlorophthalmus punctatus | 0.14 | 2 | 0.07 | |
| Stereomastis sp. | 0.14 | 30 | 0.07 | |
| Rossia enigmatica | 0.10 | 2 | 0.05 | |
| Paracallionymus costatus | 0.10 | 14 | 0.05 | |
| Photichthys argenteus | 0.09 | 2 | 0.05 | |
| P O L Y C H A E T A | 0.06 | 14 | 0.03 | |
| Champsodon capensis | 0.05 | 8 | 0.03 | |
| G A S T R O P O D S | 0.04 | 8 | 0.02 | |
| Acanella arbuscula | 0.03 | 12 | 0.02 | |
| Rossia sp. | 0.03 | 2 | 0.01 | |
| Pelecypoda | 0.02 | 4 | 0.01 | |
| Lampanyctodes hectoris | 0.02 | 10 | 0.01 | |
| Epigonus sp. | 0.02 | 2 | 0.01 | |
| Physiculus capensis | 0.01 | 2 | 0.01 | |
| Janthina sp. | 0.01 | 4 | 0.01 | |
| Maurolicus muelleri | 0.01 | 6 | 0.00 | |
| Total | 191.47 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 30
DATE :26/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°46.98
start stop duration Lon E 18°15.63
TIME :06:10:52 06:40:38 29.8 (min) Purpose : 3
LOG : 3360.39 3361.69 1.3 Region : 6100
FDEPTH: 553 566 Gear cond.: 0
BDEPTH: 553 566 Validity : 0
Towing dir: 0° Wire out : 1100 m Speed : 2.6 kn
Sorted : 148 Total catch: 148.06 Catch/hour: 298.41

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 52.40 | 54 | 17.56 | 303 |
| Coelorinchus braueri | 50.39 | 1199 | 16.88 | |
| Chaceon maritae | 38.29 | 274 | 12.83 | |
| Synaphobranchus kaupii | 31.24 | 381 | 10.47 | |
| Merluccius paradoxus | 22.17 | 40 | 7.43 | 302 |
| Etmopterus lucifer | 18.14 | 252 | 6.08 | |
| Anemones, pink | 14.11 | 60 | 4.73 | |
| Bathyraja smithii | 14.11 | 2 | 4.73 | |
| Lophius vomerinus | 10.08 | 8 | 3.38 | 301 |
| Starfish | 6.65 | 302 | 2.23 | |
| Psychrolutes macrocephalus | 6.05 | 26 | 2.03 | |
| Helicolenus dactylopterus | 5.04 | 69 | 1.69 | 304 |
| Genypterus capensis | 5.04 | 4 | 1.69 | 300 |
| Echinus gilchristi ? | 4.03 | 20 | 1.35 | |
| Nezumia sp. | 2.56 | 320 | 0.86 | |
| Starfish - fleshy | 2.42 | 4 | 0.81 | |
| Myxine capensis | 2.22 | 26 | 0.74 | |
| Bassanago albescens | 2.02 | 10 | 0.68 | |
| Plesionika martia | 1.81 | 331 | 0.61 | |
| Merluccius paradoxus | 1.65 | 16 | 0.55 | 306 |
| Notacanthus sexspinis | 1.65 | 24 | 0.55 | |
| Eptatretus profundus | 1.01 | 2 | 0.34 | |
| Whelks | 0.71 | 28 | 0.24 | |
| Trachyscorpia eschmeyeri | 0.56 | 8 | 0.19 | |
| Raja leopardus | 0.54 | 6 | 0.18 | |
| Malacocephalus laevis | 0.50 | 2 | 0.17 | |
| Maurolicus muelleri | 0.46 | 308 | 0.16 | |
| Lepidion capensis | 0.42 | 2 | 0.14 | |
| Coelorinchus simorhynchus | 0.34 | 10 | 0.11 | |
| Merluccius paradoxus | 0.32 | 38 | 0.11 | 305 |
| J E L L Y F I S H | 0.30 | 0 | 0.10 | |
| Todaropsis eblanae | 0.22 | 2 | 0.07 | 307 |
| Nettastoma parviceps | 0.18 | 4 | 0.06 | |
| Ophichthus bennettai | 0.16 | 2 | 0.05 | |
| Photichthys argenteus | 0.15 | 2 | 0.05 | |
| Bathypolypus valdiviae | 0.12 | 4 | 0.04 | |
| Chlorophthalmus punctatus | 0.10 | 2 | 0.03 | |
| Shark eggs | 0.05 | 4 | 0.02 | |
| Rossia sp. | 0.04 | 2 | 0.01 | |
| Tripterophycis gilchristi | 0.04 | 2 | 0.01 | |
| Champsodon capensis | 0.03 | 4 | 0.01 | |
| Turitella | 0.03 | 4 | 0.01 | |
| Munidopsis sp. | 0.03 | 2 | 0.01 | |
| Epigonus telescopus | 0.02 | 2 | 0.01 | |
| Total | 298.41 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 31
DATE :26/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°40.72
start stop duration Lon E 18°16.06
TIME :08:11:35 08:41:26 29.8 (min) Purpose : 3
LOG : 3370.30 3371.64 1.3 Region : 6100
FDEPTH: 490 482 Gear cond.: 0
BDEPTH: 490 482 Validity : 0
Towing dir: 0° Wire out : 970 m Speed : 2.7 kn
Sorted : 62 Total catch: 61.86 Catch/hour: 124.38

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus simorhynchus | 52.28 | 475 | 42.03 | |
| Merluccius paradoxus | 17.09 | 10 | 13.74 | 311 |
| Bassanago albescens | 10.86 | 16 | 8.73 | |
| Myxine capensis | 8.85 | 119 | 7.11 | |
| Helicolenus dactylopterus | 6.03 | 48 | 4.85 | 309 |
| Notacanthus sexspinis | 6.03 | 26 | 4.85 | |
| Genypterus capensis | 5.23 | 4 | 4.20 | 308 |
| Merluccius paradoxus | 4.62 | 28 | 3.72 | 312 |
| Brama brama | 2.01 | 2 | 1.62 | |
| J E L L Y F I S H | 2.01 | 0 | 1.62 | |
| Merluccius paradoxus | 1.41 | 149 | 1.13 | 313 |
| Parapagurus pilosimanus | 1.01 | 0 | 0.81 | |
| Anemones, pink | 0.80 | 6 | 0.65 | |
| Etmopterus lucifer | 0.70 | 6 | 0.57 | |
| Chaceon maritae | 0.70 | 4 | 0.57 | |
| Raja confundens | 0.67 | 2 | 0.54 | |
| Plesionika martia | 0.60 | 131 | 0.48 | |
| Starfish | 0.60 | 0 | 0.48 | |
| Coelorinchus braueri | 0.54 | 12 | 0.44 | |
| Todaropsis eblanae | 0.46 | 4 | 0.37 | 314 |
| Nezumia sp. | 0.22 | 14 | 0.18 | |
| Maurolicus muelleri | 0.20 | 0 | 0.16 | |
| Psychrolutes macrocephalus | 0.20 | 6 | 0.16 | |
| Whelks | 0.20 | 0 | 0.16 | |
| Lampanyctodes hectoris | 0.20 | 0 | 0.16 | |
| Tripterophycis gilchristi | 0.17 | 8 | 0.13 | |
| Synaphobranchus kaupii | 0.15 | 4 | 0.12 | |
| Raja leopardus, juvenile | 0.14 | 6 | 0.11 | |
| Physiculus capensis | 0.13 | 8 | 0.11 | |
| Bathypolypus valdiviae | 0.11 | 4 | 0.09 | |
| Paracallionymus costatus | 0.08 | 10 | 0.07 | |
| Amalda obtusa | 0.03 | 8 | 0.02 | |
| Rossia enigmatica | 0.01 | 2 | 0.01 | |
| Paraliparis australis | 0.01 | 4 | 0.01 | |
| Total | 124.38 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 32
DATE :26/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°40.85
start stop duration Lon E 18°20.94
TIME :09:45:07 10:15:12 30.1 (min) Purpose : 3
LOG : 3376.93 3378.39 1.5 Region : 6100
FDEPTH: 357 341 Gear cond.: 0
BDEPTH: 357 341 Validity : 0
Towing dir: 0° Wire out : 800 m Speed : 2.9 kn
Sorted : 120 Total catch: 286.18 Catch/hour: 570.66

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus matamua | 293.12 | 2664 | 51.37 | |
| Helicolenus dactylopterus | 83.75 | 299 | 14.68 | 315 |
| Merluccius paradoxus | 73.78 | 353 | 12.93 | 317 |
| Merluccius paradoxus | 29.91 | 18 | 5.24 | 320 |
| Genypterus capensis | 21.93 | 8 | 3.84 | 318 |
| Lophius vomerinus | 21.93 | 4 | 3.84 | 316 |
| Parapagurus pilosimanus | 7.98 | 227 | 1.40 | |
| Anemones, pink | 7.98 | 28 | 1.40 | |
| Malacocephalus laevis | 6.78 | 12 | 1.19 | |
| Merluccius paradoxus | 5.98 | 10 | 1.05 | 319 |
| Rochinia sp. | 4.99 | 453 | 0.87 | |
| Whelks | 2.51 | 142 | 0.44 | |
| Myxine capensis | 1.99 | 30 | 0.35 | |
| Starfish | 1.99 | 0 | 0.35 | |
| Holohalaelurus regani | 1.40 | 4 | 0.24 | |
| Mursia cristimanus | 0.92 | 106 | 0.16 | |
| Merluccius paradoxus | 0.80 | 90 | 0.14 | 321 |
| Scyliorhinus capensis | 0.60 | 2 | 0.10 | |
| Todaropsis eblanae | 0.53 | 4 | 0.09 | 323 |
| Maurolicus muelleri | 0.40 | 0 | 0.07 | |
| Exodromidia sp. | 0.32 | 14 | 0.06 | |
| Paracallionymus costatus | 0.32 | 44 | 0.06 | |
| Physiculus capensis | 0.20 | 10 | 0.04 | |
| Todaropsis eblanae | 0.16 | 2 | 0.03 | 322 |
| Etmopterus lucifer | 0.10 | 4 | 0.02 | |
| Bathypolypus valdiviae | 0.09 | 2 | 0.02 | |
| Stereomastis sp. | 0.05 | 8 | 0.01 | |
| Tripterophycis gilchristi | 0.04 | 2 | 0.01 | |
| Rossia enigmatica | 0.02 | 2 | 0.00 | |
| Lucigadus ori | 0.02 | 2 | 0.00 | |
| Champsodon capensis | 0.02 | 2 | 0.00 | |
| Solenocera sp. | 0.01 | 2 | 0.00 | |
| Pterygosquilla armata capensis | 0.01 | 2 | 0.00 | |
| Plesionika martia | 0.01 | 2 | 0.00 | |
| Acanella arbuscula | 0.01 | 2 | 0.00 | |
| Total | 570.66 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 33
DATE :26/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°32.75
start stop duration Lon E 18°29.47
TIME :12:15:32 12:45:39 30.1 (min) Purpose : 3
LOG : 3391.69 3392.89 1.2 Region : 6100
FDEPTH: 175 175 Gear cond.: 0
BDEPTH: 175 175 Validity : 0
Towing dir: 0° Wire out : 420 m Speed : 2.4 kn
Sorted : 261 Total catch: 1333.05 Catch/hour: 2655.47

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1816.73 | 20165 | 68.41 | 329 |
| Jasus lalandii | 445.02 | 2181 | 16.76 | 330 |
| Jasus lalandii | 117.73 | 820 | 4.43 | 331 |
| Lophius vomerinus | 49.80 | 38 | 1.88 | 328 |
| Merluccius capensis | 37.85 | 76 | 1.43 | 332 |
| Merluccius capensis | 35.86 | 38 | 1.35 | 327 |
| Raja pullopunctata | 21.91 | 2 | 0.83 | |
| J E L L Y F I S H | 18.92 | 0 | 0.71 | |
| Raja straeleni | 17.93 | 16 | 0.68 | |
| Todaropsis eblanae | 16.27 | 397 | 0.61 | 336 |
| Merluccius paradoxus | 14.19 | 965 | 0.53 | 333 |
| Chelidonichthys capensis | 11.95 | 26 | 0.45 | 326 |
| Thyrsites atun | 8.76 | 4 | 0.33 | 324 |
| Loligo reynaudi | 7.57 | 57 | 0.29 | 334 |
| Rochinia sp. | 5.60 | 530 | 0.21 | |
| Sepia australis | 5.51 | 378 | 0.21 | |
| Starfish - many arms | 5.49 | 189 | 0.21 | |
| Cynoglossus zanzibarensis | 4.73 | 132 | 0.18 | 335 |
| Paracallionymus costatus | 2.65 | 416 | 0.10 | |
| Merluccius paradoxus | 1.99 | 2 | 0.08 | 325 |
| Pterygosquilla armata capensis | 1.91 | 171 | 0.07 | |
| Lepidopus caudatus | 1.34 | 38 | 0.05 | |
| Eggs of ray | 1.08 | 20 | 0.04 | |
| Raja confundens | 1.00 | 2 | 0.04 | |
| Genypterus capensis | 1.00 | 4 | 0.04 | 337 |
| Holohalaelurus regani | 0.84 | 20 | 0.03 | |
| Coelorinchus simorhynchus | 0.80 | 20 | 0.03 | |
| CYPRAEIDAE (Bulia) | 0.59 | 38 | 0.02 | |
| Maurolicus muelleri | 0.19 | 96 | 0.01 | |
| Mursia cristimanus | 0.16 | 20 | 0.01 | |
| Lolligoncula mercatoris | 0.10 | 38 | 0.00 | |
| Total | 2655.47 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 34
DATE :26/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°22.71
start stop duration Lon E 18°43.90
TIME :14:56:39 15:26:35 29.9 (min) Purpose : 3
LOG : 3410.30 3411.69 1.4 Region : 6100
FDEPTH: 82 84 Gear cond.: 0
BDEPTH: 82 84 Validity : 0
Towing dir: 0° Wire out : 210 m Speed : 2.8 kn
Sorted : 584 Total catch: 2336.68 Catch/hour: 4682.73

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Callorhinchus capensis | 1883.77 | 7535 | 40.23 | |
| Jasus lalandii | 1867.74 | 12659 | 39.89 | 341 |
| Merluccius capensis | 320.64 | 1082 | 6.85 | 338 |
| Chelidonichthys capensis | 248.50 | 1082 | 5.31 | 350 |
| Jasus lalandii | 200.40 | 1323 | 4.28 | 342 |
| Merluccius capensis | 40.08 | 40 | 0.86 | 343 |
| Trachurus capensis | 27.25 | 1202 | 0.58 | 347 |
| Cynoglossus zanzibarensis | 24.85 | 289 | 0.53 | 344 |
| Thyrsites atun | 14.43 | 8 | 0.31 | 339 |
| Haplobleparus edwardsii | 10.42 | 24 | 0.22 | |
| Rhabdosargus globiceps | 10.42 | 16 | 0.22 | 346 |
| Loligo reynaudi | 8.02 | 104 | 0.17 | 349 |
| Lepidopus caudatus, juvenile | 7.54 | 140 | 0.16 | |
| Argyrozona argyrozona | 4.33 | 32 | 0.09 | 340 |
| Starfish - many arms | 4.01 | 216 | 0.09 | |
| Merluccius capensis | 3.85 | 409 | 0.08 | 345 |
| Todaropsis eblanae | 2.40 | 88 | 0.05 | 348 |
| Etrumeus whiteheadi | 2.40 | 120 | 0.05 | |
| Rochinia sp. | 1.47 | 144 | 0.03 | |
| Sepia australis | 0.14 | 16 | 0.00 | |
| Paracallionymus costatus | 0.06 | 8 | 0.00 | |
| Pterygosquilla armata capensis | 0.02 | 16 | 0.00 | |
| Total | 4682.73 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 35
DATE :27/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°53.84
start stop duration Lon E 17°26.25
TIME :04:38:25 05:08:37 30.2 (min) Purpose : 3
LOG : 3499.49 3500.97 1.5 Region : 6100
FDEPTH: 586 583 Gear cond.: 0
BDEPTH: 586 583 Validity : 0
Towing dir: 0° Wire out : 1280 m Speed : 2.9 kn
Sorted : 577 Total catch: 679.39 Catch/hour: 1350.24

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 894.34 | 618 | 66.24 | 352 |
| Coelorinchus braueri | 178.87 | 3577 | 13.25 | |
| Chaceon maritae | 79.50 | 795 | 5.89 | |
| Funchalia woodwardi | 33.79 | 2252 | 2.50 | |
| Bassanago albescens | 22.26 | 60 | 1.65 | |
| Centrophorus squamosus | 19.87 | 4 | 1.47 | |
| Physiculus capensis | 13.91 | 72 | 1.03 | |
| Nezumia sp. | 13.51 | 541 | 1.00 | |
| Bathyraja smithii | 12.12 | 2 | 0.90 | |
| Anemones, pink | 11.92 | 103 | 0.88 | |
| Trachyscorpia eschmeyeri | 7.55 | 56 | 0.56 | |
| Etmopterus lucifer | 7.55 | 151 | 0.56 | |
| Eptatretus profundus | 7.15 | 8 | 0.53 | |
| Notacanthus sexspinis | 6.36 | 76 | 0.47 | |
| Zu sp. | 4.57 | 2 | 0.34 | |
| Raja leopardus | 3.97 | 2 | 0.29 | |
| Hydrolagus sp. | 3.78 | 8 | 0.28 | |
| Histioteuthis miranda | 3.38 | 2 | 0.25 | |
| Todarodes angolensis | 3.18 | 6 | 0.24 | 353 |
| Helicolenus dactylopterus | 2.78 | 24 | 0.21 | 354 |
| Kuronezumia leonis | 2.38 | 16 | 0.18 | |
| Merluccius paradoxus | 2.19 | 2 | 0.16 | 351 |
| Psychrolutes macrocephalus | 2.03 | 8 | 0.15 | |
| Raja confundens | 1.99 | 8 | 0.15 | |
| Sea cucumber | 1.43 | 8 | 0.11 | |
| Whelks | 1.19 | 40 | 0.09 | |
| Coelorinchus matamua | 1.03 | 4 | 0.08 | |
| Schedophilus sp. | 0.95 | 4 | 0.07 | |
| Bristle worms (straws) | 0.87 | 0 | 0.06 | |
| Anemones, white | 0.79 | 8 | 0.06 | |
| Photichthys argenteus | 0.79 | 28 | 0.06 | |
| Myxine capensis | 0.79 | 4 | 0.06 | |
| Sergia sp. | 0.60 | 99 | 0.04 | |
| Beryx splendens | 0.60 | 4 | 0.04 | |
| Selachophidium guentheri | 0.48 | 8 | 0.04 | |
| Coelorinchus sp. | 0.48 | 4 | 0.04 | |
| Gymnoscopelus sp. | 0.40 | 20 | 0.03 | |
| Lampadena pontifex | 0.22 | 4 | 0.02 | |
| Malacocephalus laevis | 0.20 | 4 | 0.01 | |
| Rochinia sp. | 0.19 | 28 | 0.01 | |
| Stoloteuthis sp. | 0.13 | 24 | 0.01 | |
| Symbolophorus boops | 0.06 | 4 | 0.00 | |
| ARGENTINIDAE | 0.06 | 4 | 0.00 | |
| Total | 1350.24 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 36
DATE :27/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°51.49
start stop duration Lon E 17°27.94
TIME :06:23:01 06:53:11 30.2 (min) Purpose : 3
LOG : 3506.00 3507.64 1.6 Region : 6100
FDEPTH: 465 472 Gear cond.: 0
BDEPTH: 465 472 Validity : 0
Towing dir: 0° Wire out : 970 m Speed : 3.3 kn
Sorted : 843 Total catch: 843.11 Catch/hour: 1677.28

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1348.81 | 967 | 80.42 | 355 |
| Merluccius paradoxus | 111.41 | 129 | 6.64 | 356 |
| Bassanago albescens | 61.67 | 95 | 3.68 | |
| Coelorinchus braueri | 41.78 | 1044 | 2.49 | |
| Coelorinchus simorhynchus | 33.82 | 583 | 2.02 | |
| Notacanthus sexspinis | 29.84 | 318 | 1.78 | |
| Helicolenus dactylopterus | 19.10 | 95 | 1.14 | 358 |
| Squalus mitsukurii | 7.96 | 2 | 0.47 | |
| Plesionika martia | 5.17 | 923 | 0.31 | |
| Genypterus capensis | 2.98 | 2 | 0.18 | 357 |
| Todarodes angolensis | 2.71 | 4 | 0.16 | 360 |
| Anemones, pink | 1.49 | 18 | 0.09 | |
| Sergia sp. | 1.45 | 322 | 0.09 | |
| Raja confundens | 1.05 | 6 | 0.06 | |
| Lucigadus ori | 1.03 | 74 | 0.06 | |
| Starfish | 0.99 | 0 | 0.06 | |
| Psychrolutes macrocephalus | 0.70 | 2 | 0.04 | |
| Malacocephalus laevis | 0.66 | 2 | 0.04 | |
| J E L L Y F I S H | 0.60 | 0 | 0.04 | |
| Whelks | 0.46 | 8 | 0.03 | |
| Anemones, white | 0.40 | 4 | 0.02 | |
| Chaceon maritae | 0.38 | 6 | 0.02 | |
| Beryx splendens | 0.38 | 2 | 0.02 | |
| Etmopterus lucifer | 0.37 | 12 | 0.02 | |
| Hoplostethus mediterraneus | 0.30 | 2 | 0.02 | |
| Todaropsis eblanae | 0.29 | 2 | 0.02 | 361 |
| Merluccius paradoxus | 0.28 | 2 | 0.02 | 359 |
| Lampadena pontifex | 0.23 | 6 | 0.01 | |
| OMOSUDIDAE | 0.17 | 2 | 0.01 | |
| Paracallionymus costatus | 0.16 | 26 | 0.01 | |
| Shark eggs | 0.11 | 12 | 0.01 | |
| Amalda obtusa | 0.11 | 30 | 0.01 | |
| Stereomastis sp. | 0.10 | 22 | 0.01 | |
| Plagiogeneion rubignosus | 0.08 | 4 | 0.00 | |
| Rossia enigmatica | 0.08 | 4 | 0.00 | |
| Gymnoscopelus sp. | 0.07 | 2 | 0.00 | |
| Champsodon capensis | 0.03 | 2 | 0.00 | |
| Hermits, mixed* | 0.02 | 12 | 0.00 | |
| Whelks | 0.02 | 6 | 0.00 | 0 |
| Diaphus sp. | 0.02 | 2 | 0.00 | |
| Bathyraja smithii, juvenile | 0.02 | 2 | 0.00 | |
| Total | 1677.28 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 37
DATE :27/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°51.26
start stop duration Lon E 17°33.33
TIME :08:17:01 08:48:46 31.7 (min) Purpose : 3
LOG : 3514.72 3516.44 1.7 Region : 6100
FDEPTH: 313 304 Gear cond.: 0
BDEPTH: 313 304 Validity : 0
Towing dir: 0° Wire out : 700 m Speed : 3.3 kn
Sorted : 182 Total catch: 894.91 Catch/hour: 1691.70

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1041.59 | 4352 | 61.57 | 364 |
| Parapagurus dimorphus | 328.92 | 41115 | 19.44 | |
| Coelorinchus simorhynchus | 122.87 | 2457 | 7.26 | |
| Merluccius paradoxus | 86.96 | 53 | 5.14 | 362 |
| Helicolenus dactylopterus | 37.05 | 288 | 2.19 | 368 |
| Merluccius capensis | 24.57 | 8 | 1.45 | 365 |
| Anemones, pink | 15.09 | 55 | 0.89 | |
| Whelks | 7.26 | 164 | 0.43 | |
| Starfish | 6.86 | 260 | 0.41 | |
| Merluccius paradoxus | 5.67 | 4 | 0.34 | 363 |
| Octopus magnificus | 4.16 | 4 | 0.25 | |
| Brama brama | 3.69 | 2 | 0.22 | 366 |
| Lophius vomerinus | 2.36 | 2 | 0.14 | 367 |
| J E L L Y F I S H | 2.04 | 0 | 0.12 | |
| Paracallionymus costatus | 1.78 | 219 | 0.11 | |
| Todaropsis eblanae | 0.69 | 14 | 0.04 | 369 |
| Merluccius paradoxus | 0.14 | 27 | 0.01 | 370 |
| Total | 1691.70 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 38
DATE :27/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°44.00
start stop duration Lon E 17°39.19
TIME :11:07:02 11:37:11 30.1 (min) Purpose : 3
LOG : 3530.11 3531.66 1.6 Region : 6100
FDEPTH: 247 247 Gear cond.: 0
BDEPTH: 247 247 Validity : 0
Towing dir: 0° Wire out : 540 m Speed : 3.1 kn
Sorted : 228 Total catch: 696.62 Catch/hour: 1386.77

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 441.94 | 3478 | 31.87 | 377 |
| Notacanthus sexspinis | 286.66 | 1911 | 20.67 | |
| Coelorinchus simorhynchus | 131.39 | 2389 | 9.47 | |
| Parapagurus dimorphus | 119.44 | 8532 | 8.61 | |
| Merluccius paradoxus | 107.50 | 74 | 7.75 | 376 |
| Lophius vomerinus | 61.71 | 44 | 4.45 | 371 |
| Holohalaelurus regani | 47.78 | 299 | 3.45 | |
| Raja straeleni | 37.82 | 12 | 2.73 | |
| Merluccius capensis | 25.88 | 8 | 1.87 | 374 |
| Paracallionymus costatus | 23.89 | 2389 | 1.72 | |
| J E L L Y F I S H | 17.92 | 0 | 1.29 | |
| Genypterus capensis | 17.92 | 12 | 1.29 | 372 |
| Merluccius paradoxus | 15.53 | 1839 | 1.12 | 378 |
| Raja pullopunctata | 9.95 | 4 | 0.72 | |
| Malacocephalus laevis | 7.76 | 60 | 0.56 | |
| Helicolenus dactylopterus | 7.17 | 251 | 0.52 | 379 |
| Maurolicus muelleri | 4.78 | 3185 | 0.34 | |
| Lampanyctodes hectoris | 4.78 | 1991 | 0.34 | |
| Merluccius paradoxus | 4.18 | 4 | 0.30 | 375 |
| Todaropsis eblanae | 3.75 | 48 | 0.27 | 381 |
| Chelidonichthys capensis | 1.59 | 2 | 0.11 | 373 |
| Zeus capensis | 1.55 | 12 | 0.11 | 380 |
| Starfish | 1.19 | 0 | 0.09 | |
| Solenocera sp. | 0.91 | 143 | 0.07 | |
| Exodromidia sp. | 0.84 | 48 | 0.06 | |
| Physiculus capensis | 0.81 | 36 | 0.06 | |
| URCHINS | 0.72 | 12 | 0.05 | |
| Whelks | 0.60 | 12 | 0.04 | |
| Echinus gilchristi ? | 0.48 | 24 | 0.03 | |
| Sepia australis | 0.35 | 24 | 0.02 | |
| Pterygosquilla armata capensis | 0.01 | 12 | 0.00 | |
| Total | 1386.78 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 39
DATE :27/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°38.87
start stop duration Lon E 17°49.93
TIME :13:55:43 14:25:05 29.4 (min) Purpose : 3
LOG : 3546.16 3547.71 1.6 Region : 6100
FDEPTH: 187 188 Gear cond.: 0
BDEPTH: 187 188 Validity : 0
Towing dir: 0° Wire out : 450 m Speed : 3.2 kn
Sorted : 151 Total catch: 387.43 Catch/hour: 791.75

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 237.06 | 3082 | 29.94 | 386 |
| Parapagurus dimorphus | 202.32 | 0 | 25.55 | |
| Merluccius paradoxus | 71.53 | 51 | 9.03 | 385 |
| Lophius vomerinus | 69.48 | 112 | 8.78 | 382 |
| Paracallionymus costatus | 30.35 | 4670 | 3.83 | |
| Merluccius paradoxus | 19.68 | 1878 | 2.49 | 387 |
| Merluccius paradoxus | 18.39 | 16 | 2.32 | 384 |
| Raja straeleni | 17.37 | 29 | 2.19 | |
| Pterygosquilla armata capensis | 15.74 | 2185 | 1.99 | |
| Chelidonichthys capensis | 14.31 | 29 | 1.81 | 383 |
| Trachurus capensis | 9.89 | 45 | 1.25 | 390 |
| Cynoglossus zanzibarensis | 8.54 | 124 | 1.08 | 388 |
| J E L L Y F I S H | 8.44 | 0 | 1.07 | |
| Spatangus capensis | 8.09 | 337 | 1.02 | |
| Torpedo nobiliana | 7.15 | 2 | 0.90 | |
| Pelecypoda | 6.74 | 1435 | 0.85 | |
| Sepia australis | 5.40 | 372 | 0.68 | |
| Coelorinchus simorhynchus | 4.50 | 247 | 0.57 | |
| Starfish | 4.17 | 0 | 0.53 | |
| Callorhinchus capensis | 4.09 | 2 | 0.52 | |
| Whelks | 3.68 | 12 | 0.46 | |
| Helicolenus dactylopterus | 3.37 | 67 | 0.43 | 389 |
| Lampanyctodes hectoris | 3.37 | 0 | 0.43 | |
| Lophius vomerinus | 3.24 | 90 | 0.41 | 394 |
| Notacanthus sexspinis | 3.10 | 22 | 0.39 | |
| Exodromidia sp. | 1.80 | 67 | 0.23 | |
| Holohalaelurus regani | 1.73 | 45 | 0.22 | |
| Todaropsis eblanae | 1.50 | 22 | 0.19 | 393 |
| Genypterus capensis | 1.25 | 11 | 0.16 | 392 |
| Myxine capensis | 1.18 | 12 | 0.15 | |
| Maurolicus muelleri | 1.12 | 0 | 0.14 | |
| Zeus capensis | 1.11 | 11 | 0.14 | 391 |
| Sepia hieronis | 0.88 | 35 | 0.11 | |
| Lepidopus caudatus | 0.61 | 22 | 0.08 | |
| Amalda obtusa | 0.45 | 11 | 0.06 | |
| Rochinia sp. | 0.15 | 11 | 0.02 | |
| Total | 791.75 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 40
DATE :27/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°36.07
start stop duration Lon E 17°56.47
TIME :16:04:06 16:34:25 30.3 (min) Purpose : 3
LOG : 3557.46 3559.03 1.6 Region : 6100
FDEPTH: 160 160 Gear cond.: 0
BDEPTH: 160 160 Validity : 0
Towing dir: 0° Wire out : 400 m Speed : 3.1 kn
Sorted : 114 Total catch: 315.87 Catch/hour: 625.08

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 231.53 | 972 | 37.04 | 400 |
| Pterygosquilla armata capensis | 112.20 | 12065 | 17.95 | |
| J E L L Y F I S H | 63.32 | 0 | 10.13 | |
| Genypterus capensis | 61.35 | 57 | 9.81 | 398 |
| Merluccius paradoxus | 31.66 | 20 | 5.07 | 397 |
| Merluccius capensis | 29.39 | 89 | 4.70 | 399 |
| Whelks | 21.37 | 356 | 3.42 | |
| Starfish | 14.25 | 0 | 2.28 | |
| Sepia australis | 9.80 | 265 | 1.57 | |
| Callorhinchus capensis | 6.93 | 4 | 1.11 | |
| Merluccius paradoxus | 6.23 | 436 | 1.00 | 401 |
| Chelidonichthys capensis | 5.94 | 12 | 0.95 | 396 |
| Raja straeleni | 5.15 | 8 | 0.82 | |
| Exodromidia sp. | 4.01 | 294 | 0.64 | |
| Parapagurus dimorphus | 3.66 | 1927 | 0.59 | |
| Todaropsis eblanae | 2.93 | 36 | 0.47 | 403 |
| Coelorinchus simorhynchus | 2.18 | 135 | 0.35 | |
| Loligo reynaudi | 2.06 | 9 | 0.33 | 408 |
| Merluccius capensis | 1.98 | 2 | 0.32 | 395 |
| Cynoglossus zanzibarensis | 1.98 | 27 | 0.32 | 402 |
| Lampanyctodes hectoris | 1.78 | 0 | 0.28 | |
| Zeus capensis | 1.22 | 9 | 0.20 | 406 |
| Anemones, red | 0.70 | 9 | 0.11 | |
| Genypterus capensis | 0.69 | 18 | 0.11 | 405 |
| Physiculus capensis | 0.47 | 46 | 0.08 | |
| Paracallionymus costatus | 0.46 | 71 | 0.07 | |
| Helicolenus dactylopterus | 0.45 | 27 | 0.07 | 404 |
| Avocettina acuticeps | 0.39 | 9 | 0.06 | |
| Solenocera sp. | 0.35 | 62 | 0.06 | |
| Holohalaelurus regani | 0.26 | 9 | 0.04 | |
| Lophius vomerinus | 0.24 | 9 | 0.04 | 407 |
| Amalda obtusa | 0.15 | 18 | 0.02 | |
| Total | 625.08 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 41
DATE :28/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 34°5.97
start stop duration Lon E 17°49.23
TIME :06:16:38 06:45:29 28.9 (min) Purpose : 3
LOG : 3615.23 3616.63 1.4 Region : 6100
FDEPTH: 273 272 Gear cond.: 0
BDEPTH: 273 272 Validity : 0
Towing dir: 0° Wire out : 675 m Speed : 2.9 kn
Sorted : 129 Total catch: 710.12 Catch/hour: 1476.33

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 864.86 | 8023 | 58.58 | 414 |
| Coelorinchus simorhynchus | 249.48 | 4990 | 16.90 | |
| Parapagurus dimorphus | 113.10 | 7541 | 7.66 | |
| Helicolenus dactylopterus | 66.53 | 948 | 4.51 | 415 |
| Merluccius capensis | 29.11 | 21 | 1.97 | 409 |
| Raja pullopunctata | 27.03 | 12 | 1.83 | |
| Holohalaelurus regani | 16.63 | 83 | 1.13 | |
| Merluccius paradoxus | 16.22 | 10 | 1.10 | 413 |
| Todaropsis eblanae | 14.97 | 233 | 1.01 | 416 |
| Paracallionymus costatus | 11.64 | 1164 | 0.79 | |
| J E L L Y F I S H | 9.98 | 0 | 0.68 | |
| Genypterus capensis | 8.11 | 4 | 0.55 | 411 |
| Octopus magnificus | 6.65 | 17 | 0.45 | |
| Merluccius paradoxus | 6.49 | 349 | 0.44 | 419 |
| Merluccius paradoxus | 5.41 | 6 | 0.37 | 412 |
| Mustelus palumbes | 5.20 | 2 | 0.35 | |
| Trachurus capensis | 4.99 | 17 | 0.34 | 417 |
| Starfish | 4.99 | 0 | 0.34 | |
| Lophius vomerinus | 4.78 | 4 | 0.32 | 410 |
| Malacocephalus laevis | 2.49 | 17 | 0.17 | |
| Loligo reynaudi | 2.49 | 17 | 0.17 | 418 |
| Whelks | 2.41 | 67 | 0.16 | |
| Pterygosquilla armata capensis | 0.80 | 150 | 0.05 | |
| URCHINS | 0.73 | 50 | 0.05 | |
| Mursia cristimanus | 0.53 | 50 | 0.04 | |
| Exodromidia sp. | 0.48 | 50 | 0.03 | |
| CYPRAEIDAE (Bulia) | 0.23 | 33 | 0.02 | |
| Total | 1476.33 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 42
DATE :29/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°17.45
start stop duration Lon E 17°42.31
TIME :04:15:37 04:37:19 21.7 (min) Purpose : 3
LOG : 3739.70 3740.63 0.9 Region : 6100
FDEPTH: 187 190 Gear cond.: 0
BDEPTH: 187 190 Validity : 0
Towing dir: 0° Wire out : 475 m Speed : 2.6 kn
Sorted : 51 Total catch: 205.20 Catch/hour: 567.38

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Pterygosquilla armata capensis | 154.84 | 15484 | 27.29 | |
| J E L L Y F I S H | 116.13 | 0 | 20.47 | |
| Merluccius paradoxus | 53.23 | 534 | 9.38 | 422 |
| Coelorinchus simorhynchus | 48.39 | 4524 | 8.53 | |
| Merluccius paradoxus | 30.41 | 58 | 5.36 | 421 |
| Lophius vomerinus | 27.65 | 19 | 4.87 | 420 |
| Whelks | 27.37 | 547 | 4.82 | |
| Paracallionymus costatus | 25.16 | 3594 | 4.43 | |
| Spatangus capensis | 19.35 | 1291 | 3.41 | |
| Amalda obtusa | 16.59 | 11 | 2.92 | |
| Starfish | 15.68 | 0 | 2.76 | |
| Parapagurus dimorphus | 7.16 | 476 | 1.26 | |
| Lampanyctodes hectoris | 6.77 | 2508 | 1.19 | |
| Solenocera sp. | 3.87 | 716 | 0.68 | |
| Exodromidia sp. | 2.54 | 116 | 0.45 | |
| Etrumeus whiteheadi | 1.69 | 135 | 0.30 | |
| Sepia hieronis | 1.19 | 58 | 0.21 | |
| Zeus capensis | 1.16 | 10 | 0.20 | 423 |
| Sepia australis | 0.97 | 77 | 0.17 | |
| Todaropsis eblanae | 0.97 | 10 | 0.17 | 429 |
| Helicolenus dactylopterus | 0.94 | 39 | 0.17 | 426 |
| Thyrsites atun | 0.94 | 10 | 0.17 | 425 |
| Holohalaelurus regani | 0.80 | 39 | 0.14 | |
| Pelecypoda | 0.80 | 97 | 0.14 | |
| Todaropsis eblanae | 0.77 | 10 | 0.14 | 428 |
| Engraulis capensis | 0.53 | 69 | 0.09 | |
| Amalda obtusa | 0.41 | 0 | 0.07 | 0 |
| P O L Y C H A E T A | 0.30 | 19 | 0.05 | |
| Goneplax angulata | 0.23 | 8 | 0.04 | |
| Mursia cristimanus | 0.21 | 19 | 0.04 | |
| Cynoglossus zanzibarensis | 0.09 | 10 | 0.02 | 424 |
| Physiculus capensis | 0.08 | 11 | 0.01 | |
| Lepidopus caudatus | 0.07 | 3 | 0.01 | |
| Merluccius paradoxus | 0.07 | 19 | 0.01 | 427 |
| Total | 567.38 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 43
DATE :29/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°26.43
start stop duration Lon E 17°31.71
TIME :06:33:23 07:03:45 30.4 (min) Purpose : 3
LOG : 3754.64 3756.10 1.5 Region : 6100
FDEPTH: 414 422 Gear cond.: 0
BDEPTH: 414 422 Validity : 0
Towing dir: 0° Wire out : 830 m Speed : 2.9 kn
Sorted : 29 Total catch: 139.35 Catch/hour: 275.41

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus simorhynchus | 79.05 | 0 | 28.70 | |
| Merluccius paradoxus | 27.67 | 10 | 10.05 | 430 |
| Etmopterus brachyurus | 25.69 | 91 | 9.33 | |
| Genypterus capensis | 19.76 | 0 | 7.18 | 433 |
| Merluccius paradoxus | 19.76 | 69 | 7.18 | 431 |
| Bassanago albescens | 15.81 | 24 | 5.74 | |
| Lophius vomerinus | 15.81 | 10 | 5.74 | 432 |
| Notacanthus sexspinis | 14.33 | 128 | 5.20 | |
| J E L L Y F I S H | 8.40 | 0 | 3.05 | |
| Etrumeus whiteheadi | 7.16 | 103 | 2.60 | |
| Starfish | 6.72 | 0 | 2.44 | |
| Starfish | 5.43 | 10 | 1.97 | 0 |
| Raja straeleni | 4.35 | 2 | 1.58 | |
| Whelks | 3.95 | 85 | 1.44 | |
| Myxine capensis | 3.26 | 34 | 1.18 | |
| Pterygosquilla armata capensis | 2.96 | 40 | 1.08 | |
| Helicolenus dactylopterus | 2.57 | 16 | 0.93 | 434 |
| Psychrolutes macrocephalus | 2.32 | 15 | 0.84 | |
| Parapagurus pilosimanus | 1.66 | 89 | 0.60 | |
| Anemones, white | 1.44 | 14 | 0.52 | |
| Malacocephalus laevis | 1.42 | 5 | 0.52 | |
| Todaropsis eblanae | 0.63 | 10 | 0.23 | 437 |
| Chaceon maritae | 0.61 | 148 | 0.22 | |
| Lucigadus ori | 0.59 | 15 | 0.22 | |
| Todaropsis eblanae | 0.49 | 5 | 0.18 | 436 |
| Maurolicus muelleri | 0.49 | 0 | 0.18 | |
| Ophichthus bennettai | 0.49 | 6 | 0.18 | |
| Sardinops ocellatus | 0.45 | 5 | 0.17 | |
| Holohalaelurus regani | 0.43 | 2 | 0.16 | |
| Paracallionymus costatus | 0.32 | 45 | 0.11 | |
| G A S T R O P O D S | 0.30 | 75 | 0.11 | |
| Lampanyctodes hectoris | 0.25 | 0 | 0.09 | |
| Anemones, pink | 0.17 | 10 | 0.06 | |
| Tripterophycis gilchristi | 0.13 | 5 | 0.05 | |
| Rochinia sp. | 0.12 | 15 | 0.04 | |
| Haliporoides triarthrus | 0.09 | 15 | 0.03 | |
| Exodromidia sp. | 0.07 | 5 | 0.02 | |
| Holohalaelurus regani | 0.06 | 5 | 0.02 | 0 |
| Stereomastis sp. | 0.06 | 5 | 0.02 | |
| Engraulis capensis | 0.04 | 247 | 0.01 | |
| Merluccius paradoxus | 0.03 | 5 | 0.01 | 435 |
| Mursia cristimanus | 0.02 | 5 | 0.01 | |
| Sepia sp. New SA | 0.01 | 5 | 0.01 | |
| Total | 275.40 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 44
DATE :29/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°31.01
start stop duration Lon E 17°27.75
TIME :08:12:33 08:43:15 30.7 (min) Purpose : 3
LOG : 3762.38 3763.80 1.4 Region : 6100
FDEPTH: 484 506 Gear cond.: 0
BDEPTH: 484 506 Validity : 0
Towing dir: 0° Wire out : 940 m Speed : 2.8 kn
Sorted : 45 Total catch: 285.83 Catch/hour: 558.82

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Bassanago albescens | 142.72 | 233 | 25.54 | |
| Merluccius paradoxus | 80.16 | 862 | 14.34 | 439 |
| Merluccius paradoxus | 74.29 | 47 | 13.29 | 443 |
| Coelorinchus simorhynchus | 70.38 | 1173 | 12.59 | |
| Starfish | 39.10 | 6109 | 7.00 | |
| Etmopterus lucifer | 21.90 | 196 | 3.92 | |
| Lophius vomerinus | 19.55 | 10 | 3.50 | 438 |
| Chaceon maritae | 17.99 | 141 | 3.22 | |
| Coelorinchus braueri | 14.86 | 891 | 2.66 | |
| Notacanthus sexspinis | 12.90 | 109 | 2.31 | |
| Starfish - fleshy | 10.95 | 5 | 1.96 | |
| Genypterus capensis | 9.78 | 2 | 1.75 | 442 |
| Helicolenus dactylopterus | 5.87 | 39 | 1.05 | 440 |
| Raja confundens | 3.91 | 4 | 0.70 | |
| Coelorinchus simorhynchus | 3.91 | 141 | 0.70 | 0 |
| J E L L Y F I S H | 3.91 | 0 | 0.70 | |
| Whelks | 3.91 | 133 | 0.70 | |
| Anemones, white | 3.26 | 8 | 0.58 | |
| Psychrolutes macrocephalus | 3.13 | 8 | 0.56 | |
| Merluccius paradoxus | 2.93 | 4 | 0.52 | 444 |
| Lampanyctodes hectoris | 2.35 | 0 | 0.42 | |
| Myxine capensis | 1.99 | 16 | 0.36 | |
| Anemones, pink | 1.76 | 23 | 0.31 | |
| Plesionika martia | 1.56 | 348 | 0.28 | |
| Synaphobranchus kaupii | 1.37 | 16 | 0.24 | |
| Merluccius paradoxus | 1.37 | 111 | 0.24 | 441 |
| Pterygosquilla armata capensis | 1.13 | 156 | 0.20 | |
| Nezumia sp. | 0.92 | 0 | 0.16 | |
| Lucigadus ori | 0.30 | 31 | 0.05 | |
| Parapagurus pilosimanus | 0.24 | 16 | 0.04 | |
| Plesiopenaeus edwardsianus | 0.18 | 8 | 0.03 | |
| Paracallionymus costatus | 0.11 | 23 | 0.02 | |
| Exodromidia sp. | 0.09 | 8 | 0.02 | |
| Mursia cristimanus | 0.05 | 23 | 0.01 | |
| Total | 558.82 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 45
DATE :29/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°16.06
start stop duration Lon E 17°15.76
TIME :11:15:42 11:46:03 30.4 (min) Purpose : 3
LOG : 3781.08 3782.51 1.4 Region : 6100
FDEPTH: 464 471 Gear cond.: 0
BDEPTH: 464 471 Validity : 0
Towing dir: 0° Wire out : 1250 m Speed : 2.8 kn
Sorted : 400 Total catch: 1389.96 Catch/hour: 2746.95

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1194.86 | 2403 | 43.50 | 447 |
| Helicolenus dactylopterus | 488.14 | 3943 | 17.77 | 450 |
| Notacanthus sexspinis | 233.79 | 1913 | 8.51 | |
| Coelorinchus simorhynchus | 218.38 | 3121 | 7.95 | |
| Merluccius paradoxus | 217.39 | 115 | 7.91 | 449 |
| Lophius vomerinus | 167.98 | 49 | 6.12 | 448 |
| Bassanago albescens | 96.34 | 103 | 3.51 | |
| Genypterus capensis | 45.45 | 8 | 1.65 | 446 |
| Starfish | 21.84 | 0 | 0.79 | |
| Ophiuroidea | 20.55 | 0 | 0.75 | |
| Parapagurus dimorphus | 12.85 | 810 | 0.47 | |
| Plesionika martia | 6.42 | 1285 | 0.23 | |
| J E L L Y F I S H | 6.42 | 0 | 0.23 | |
| Whelks | 5.73 | 128 | 0.21 | |
| Anemones, white | 2.62 | 65 | 0.10 | |
| Ophichthus bennettai | 1.32 | 13 | 0.05 | |
| Beryx splendens | 1.28 | 2 | 0.05 | 445 |
| Rochinia sp. | 0.92 | 128 | 0.03 | |
| Stereomastis sp. | 0.90 | 180 | 0.03 | |
| Lucigadus ori | 0.76 | 103 | 0.03 | |
| Pterygosquilla armata capensis | 0.59 | 103 | 0.02 | |
| Sea cucumber | 0.54 | 13 | 0.02 | |
| Paracallionymus costatus | 0.45 | 65 | 0.02 | |
| Plagiogeneion rubignosus | 0.28 | 13 | 0.01 | |
| Gorgonians | 0.26 | 0 | 0.01 | |
| Symbolophorus boops | 0.22 | 13 | 0.01 | |
| Rossia sp. | 0.18 | 13 | 0.01 | |
| Merluccius paradoxus | 0.13 | 26 | 0.00 | 451 |
| Amalda obtusa | 0.08 | 51 | 0.00 | |
| Chlorophthalmus punctatus | 0.05 | 13 | 0.00 | |
| Psychrolutes macrocephalus | 0.05 | 13 | 0.00 | |
| Sepia sp. New SA | 0.05 | 13 | 0.00 | |
| Cone gastropod | 0.05 | 13 | 0.00 | |
| C R A B S | 0.04 | 26 | 0.00 | |
| Total | 2746.95 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 46
DATE :29/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°13.38
start stop duration Lon E 17°17.70
TIME :13:32:33 14:02:09 29.6 (min) Purpose : 3
LOG : 3789.24 3790.69 1.5 Region : 6100
FDEPTH: 407 398 Gear cond.: 0
BDEPTH: 407 398 Validity : 0
Towing dir: 0° Wire out : 870 m Speed : 2.9 kn
Sorted : 381 Total catch: 381.07 Catch/hour: 772.44

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 543.24 | 1289 | 70.33 | 455 |
| Merluccius paradoxus | 107.43 | 63 | 13.91 | 456 |
| Coelorinchus simorhynchus | 30.41 | 434 | 3.94 | |
| Lophius vomerinus | 24.32 | 10 | 3.15 | 452 |
| Merluccius capensis | 18.24 | 4 | 2.36 | 454 |
| Genypterus capensis | 16.22 | 6 | 2.10 | 453 |
| Notacanthus sexspinis | 8.11 | 59 | 1.05 | |
| Helicolenus dactylopterus | 7.30 | 41 | 0.94 | 458 |
| Parapagurus dimorphus | 2.84 | 726 | 0.37 | |
| Starfish | 2.43 | 0 | 0.31 | |
| Merluccius paradoxus | 2.03 | 2 | 0.26 | 457 |
| Ophiuroidae | 2.03 | 0 | 0.26 | |
| Bassanago albescens | 2.03 | 4 | 0.26 | |
| Aphrodite pol | 1.22 | 580 | 0.16 | |
| J E L L Y F I S H | 0.81 | 0 | 0.10 | |
| Plesionika martia | 0.73 | 0 | 0.09 | |
| Ophichthus bennettai | 0.61 | 6 | 0.08 | |
| Merluccius paradoxus | 0.41 | 83 | 0.05 | 459 |
| Lucigadus ori | 0.30 | 28 | 0.04 | |
| Rochinia sp. | 0.25 | 36 | 0.03 | |
| Psychrolutes macrocephalus | 0.21 | 2 | 0.03 | |
| Lampanyctodes hectoris | 0.20 | 0 | 0.03 | |
| Rossia enigmatica | 0.13 | 4 | 0.02 | |
| Paracallionymus costatus | 0.13 | 26 | 0.02 | |
| Mursia cristimanus | 0.13 | 16 | 0.02 | |
| Stereomastis sp. | 0.10 | 18 | 0.01 | |
| Whelks | 0.10 | 4 | 0.01 | |
| CYPRAEIDAE (Bulia) | 0.09 | 8 | 0.01 | |
| Exodromidia sp. | 0.09 | 8 | 0.01 | |
| Plagiogeneion rubignosus | 0.08 | 4 | 0.01 | |
| G A S T R O P O D S | 0.06 | 14 | 0.01 | |
| Tripterophycis gilchristi | 0.04 | 2 | 0.01 | |
| Physiculus capensis | 0.04 | 2 | 0.01 | |
| Symbolophorus boops | 0.03 | 2 | 0.00 | |
| Sepia sp. New SA | 0.03 | 4 | 0.00 | |
| Amalda obtusa | 0.02 | 8 | 0.00 | |
| Diaphus sp. | 0.01 | 2 | 0.00 | |
| Rossia sp. | 0.01 | 2 | 0.00 | |
| URCHINS | 0.01 | 2 | 0.00 | |
| Hoplostethus mediterraneus | 0.00 | 2 | 0.00 | |
| Total | 772.44 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 47
DATE :29/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 33°5.13
start stop duration Lon E 17°30.99
TIME :15:59:10 16:29:55 30.8 (min) Purpose : 3
LOG : 3804.82 3806.20 1.4 Region : 6100
FDEPTH: 340 336 Gear cond.: 0
BDEPTH: 340 336 Validity : 0
Towing dir: 0° Wire out : 770 m Speed : 2.7 kn
Sorted : 164 Total catch: 236.12 Catch/hour: 460.57

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Genypterus capensis | 134.59 | 33 | 29.22 | 460 |
| Coelorinchus simorhynchus | 93.63 | 1301 | 20.33 | |
| Merluccius paradoxus | 79.97 | 320 | 17.36 | 461 |
| Lophius vomerinus | 25.36 | 14 | 5.51 | 465 |
| Etrumeus whiteheadi | 21.07 | 296 | 4.57 | |
| Merluccius paradoxus | 17.56 | 10 | 3.81 | 462 |
| PORIFERA (Sponges) | 15.60 | 55 | 3.39 | |
| Parapagurus dimorphus | 15.60 | 780 | 3.39 | |
| Helicolenus dactylopterus | 11.70 | 70 | 2.54 | 466 |
| Starfish | 9.05 | 0 | 1.97 | |
| Whelks | 8.97 | 449 | 1.95 | |
| Gorgonians | 3.90 | 0 | 0.85 | |
| Todaropsis eblanae | 3.07 | 23 | 0.67 | 467 |
| Myxine capensis | 2.34 | 23 | 0.51 | |
| Sardinops ocellatus | 2.34 | 23 | 0.51 | |
| Zeus capensis | 2.34 | 4 | 0.51 | 463 |
| Malacocephalus laevis | 2.03 | 0 | 0.44 | |
| Rochinia sp. | 1.86 | 156 | 0.40 | |
| Merluccius paradoxus | 1.70 | 240 | 0.37 | 464 |
| Rossia enigmatica | 1.69 | 55 | 0.37 | |
| Mursia cristimanus | 1.45 | 156 | 0.32 | |
| Ophiuroidea | 1.09 | 0 | 0.24 | |
| Paracallionymus costatus | 1.01 | 164 | 0.22 | |
| Ophichthus bennettai | 0.70 | 4 | 0.15 | |
| Exodromidia sp. | 0.54 | 39 | 0.12 | |
| Lampanyctodes hectoris | 0.39 | 0 | 0.08 | |
| Aphrodite pol | 0.30 | 39 | 0.06 | |
| Acanella arbuscula | 0.23 | 0 | 0.05 | |
| Psychrolutes macrocephalus | 0.21 | 16 | 0.05 | |
| Sepia sp. New SA | 0.12 | 23 | 0.03 | |
| Solenocera sp. | 0.05 | 8 | 0.01 | |
| C R A B S | 0.04 | 16 | 0.01 | |
| Pecten sp. | 0.03 | 8 | 0.01 | |
| Amalda obtusa | 0.02 | 8 | 0.01 | |
| Total | 460.57 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 48
DATE :30/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°49.50
start stop duration Lon E 16°39.30
TIME :04:31:03 05:01:09 30.1 (min) Purpose : 3
LOG : 3876.11 3877.64 1.5 Region : 6100
FDEPTH: 753 752 Gear cond.: 0
BDEPTH: 753 752 Validity : 0
Towing dir: 0° Wire out : 1500 m Speed : 3.1 kn
Sorted : 218 Total catch: 217.76 Catch/hour: 434.23

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus braueri | 119.64 | 1709 | 27.55 | |
| Chaceon maritae | 75.77 | 758 | 17.45 | |
| Etmopterus brachyurus | 66.80 | 120 | 15.38 | |
| Allocyttus verrucosus | 32.90 | 82 | 7.58 | 471 |
| Hoplostethus atlanticus | 23.93 | 54 | 5.51 | 468 |
| Raja sp. | 14.36 | 2 | 3.31 | |
| Synaphobranchus kaupii | 14.16 | 92 | 3.26 | |
| CARISTIIDAE | 12.36 | 4 | 2.85 | |
| Nezumia sp. | 9.97 | 96 | 2.30 | |
| Merluccius paradoxus | 9.17 | 4 | 2.11 | 496 |
| Lepidion capensis | 7.38 | 22 | 1.70 | |
| Bathyraja smithii | 7.38 | 2 | 1.70 | |
| Brama brama | 4.29 | 32 | 0.99 | 469 |
| Notacanthus sexspinis | 4.25 | 28 | 0.98 | |
| Apristurus saldanha | 3.99 | 10 | 0.92 | |
| Psychrolutes macrocephalus | 3.59 | 6 | 0.83 | |
| Trachyscorpia eschmeyeri | 2.71 | 8 | 0.62 | |
| Coelorinchus matamua | 2.23 | 6 | 0.51 | |
| Starfish | 1.60 | 0 | 0.37 | |
| J E L L Y F I S H | 1.40 | 0 | 0.32 | |
| Bathysaurus ferox | 1.36 | 2 | 0.31 | |
| Bristle worms (straws) | 1.32 | 0 | 0.30 | |
| Eptatretus profundus | 1.30 | 2 | 0.30 | |
| Photichthys argenteus | 1.20 | 22 | 0.28 | |
| Anemones, white | 1.20 | 6 | 0.28 | |
| Bathypolypus valdiviae | 1.20 | 8 | 0.28 | |
| Raja confundens | 1.20 | 2 | 0.28 | |
| Simenchelys parasiticus | 0.97 | 12 | 0.22 | |
| Sergia sp. | 0.90 | 116 | 0.21 | |
| Diastobranchus capensis | 0.77 | 2 | 0.18 | |
| Chauliodus sloani | 0.76 | 24 | 0.17 | |
| Neocyttus rhomboidalis | 0.59 | 2 | 0.14 | |
| Shrimps, small, non comm. | 0.58 | 148 | 0.13 | |
| Odontomacrurus murrayi | 0.42 | 2 | 0.10 | |
| Bathyraja smithii, juvenile | 0.37 | 6 | 0.09 | |
| Gymnoscopelus sp. | 0.34 | 28 | 0.08 | |
| Rochinia sp. | 0.33 | 50 | 0.08 | |
| Sea cucumber | 0.29 | 2 | 0.07 | |
| Dicrolene intronigra | 0.22 | 2 | 0.05 | |
| Allocyttus verrucosus | 0.20 | 4 | 0.05 | 470 |
| Scopelosaurus meadi | 0.17 | 2 | 0.04 | |
| Diretmus argenteus | 0.14 | 2 | 0.03 | |
| Malacosteus niger | 0.12 | 4 | 0.03 | |
| Bathophilus sp. | 0.09 | 4 | 0.02 | |
| Nessorhamphus ingolfianus | 0.09 | 2 | 0.02 | |
| Avocettina acuticeps | 0.09 | 2 | 0.02 | |
| Megalocranchia sp. | 0.08 | 2 | 0.02 | |
| CARISTIIDAE | 0.03 | 2 | 0.01 | 0 |
| Onychoteuthis banksi | 0.03 | 2 | 0.01 | |
| PARALEPIDIDAE | 0.02 | 2 | 0.00 | |
| ISOPODS | 0.00 | 2 | 0.00 | |
| Gnatophausia ingens | 0.00 | 2 | 0.00 | |
| Total | 434.23 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 49
DATE :30/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°50.23
start stop duration Lon E 16°42.54
TIME :06:14:35 06:44:33 30.0 (min) Purpose : 3
LOG : 3882.15 3883.54 1.4 Region : 6100
FDEPTH: 599 594 Gear cond.: 0
BDEPTH: 599 594 Validity : 0
Towing dir: 0° Wire out : 1210 m Speed : 2.8 kn
Sorted : 83 Total catch: 82.83 Catch/hour: 165.82

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 43.04 | 32 | 25.96 | 473 |
| Coelorinchus braueri | 30.03 | 2 | 18.11 | |
| Centrophorus squamosus | 14.01 | 2 | 8.45 | |
| Nezumia sp. | 12.01 | 100 | 7.24 | |
| Merluccius paradoxus | 6.81 | 6 | 4.10 | 472 |
| Coelorinchus matamua | 6.21 | 18 | 3.74 | |
| Etmopterus brachyurus | 5.41 | 32 | 3.26 | |
| Lepidion capensis | 5.21 | 40 | 3.14 | |
| Sergia sp. | 5.21 | 1211 | 3.14 | |
| Hydrolagus sp. | 4.94 | 10 | 2.98 | |
| J E L L Y F I S H | 4.00 | 0 | 2.41 | |
| Notacanthus sexspinis | 3.32 | 28 | 2.00 | |
| Chaceon maritae | 2.80 | 44 | 1.69 | |
| Photichthys argenteus | 2.60 | 32 | 1.57 | |
| Brama brama | 2.20 | 8 | 1.33 | 475 |
| Lophius vomerinus | 2.00 | 2 | 1.21 | 495 |
| Raja leopardus | 2.00 | 8 | 1.21 | |
| Bathypolypus valdiviae | 1.90 | 0 | 1.15 | |
| Bristle worms (straws) | 1.74 | 0 | 1.05 | |
| Histioteuthis miranda | 1.50 | 2 | 0.90 | |
| Bathophilus sp. | 1.27 | 14 | 0.76 | |
| Pseudocyttus maculatus | 1.00 | 2 | 0.60 | |
| Starfish | 1.00 | 0 | 0.60 | |
| Synaphobranchus kaupii | 1.00 | 4 | 0.60 | |
| Todarodes filippove | 0.74 | 2 | 0.45 | 474 |
| Bassanago albescens | 0.70 | 2 | 0.42 | |
| Psychrolutes macrocephalus | 0.60 | 2 | 0.36 | |
| Chauliodus sloani | 0.58 | 22 | 0.35 | |
| Oreosoma atlanticum | 0.50 | 2 | 0.30 | |
| Raja caudaspinosa | 0.44 | 2 | 0.27 | |
| Selachophidium guentheri | 0.22 | 2 | 0.13 | |
| Diaphus sp. | 0.14 | 42 | 0.08 | |
| Megalocranchia sp. | 0.13 | 6 | 0.08 | |
| Raja sp. | 0.12 | 2 | 0.07 | |
| Whelks | 0.11 | 2 | 0.07 | |
| Gymnoscopelus sp. | 0.06 | 8 | 0.04 | |
| Funchalia woodwardi | 0.06 | 4 | 0.04 | |
| Diastobranchus capensis, juvenile | 0.05 | 6 | 0.03 | |
| Plesionika martia | 0.02 | 4 | 0.01 | |
| Gonostoma sp. | 0.02 | 4 | 0.01 | |
| SCOPELARCHIDAE | 0.02 | 2 | 0.01 | |
| Shrimps, small, non comm. | 0.02 | 2 | 0.01 | |
| Rondeletia loricata | 0.01 | 2 | 0.01 | |
| Oreosoma atlanticum, juvenile | 0.01 | 2 | 0.01 | |
| Xenodermichthys copei | 0.01 | 2 | 0.00 | |
| Stoloteuthis sp. | 0.01 | 2 | 0.00 | |
| Rochinia sp. | 0.01 | 2 | 0.00 | |
| Argyropelecus hemigymnus | 0.00 | 2 | 0.00 | |
| Total | 165.82 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 50
DATE :30/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°48.36
start stop duration Lon E 16°43.87
TIME :07:40:42 08:10:50 30.1 (min) Purpose : 3
LOG : 3886.64 3888.11 1.5 Region : 6100
FDEPTH: 512 512 Gear cond.: 0
BDEPTH: 512 512 Validity : 0
Towing dir: 0° Wire out : 1000 m Speed : 2.9 kn
Sorted : 53 Total catch: 386.59 Catch/hour: 769.59

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Chaceon maritae | 170.21 | 141 | 22.12 | |
| Merluccius paradoxus | 111.48 | 107 | 14.49 | 478 |
| Starfish | 76.14 | 10877 | 9.89 | |
| Merluccius paradoxus | 59.72 | 80 | 7.76 | 479 |
| Notacanthus sexspinis | 54.64 | 364 | 7.10 | |
| Bathyraja smithii | 51.76 | 10 | 6.73 | |
| Lophius vomerinus | 47.78 | 38 | 6.21 | 477 |
| Etmopterus brachyurus | 34.94 | 260 | 4.54 | |
| Nezumia sp. | 29.48 | 393 | 3.83 | |
| Whelks | 25.78 | 514 | 3.35 | |
| Coelorinchus braueri | 22.93 | 882 | 2.98 | |
| Bassanago albescens | 14.33 | 36 | 1.86 | |
| Myxine capensis | 12.36 | 187 | 1.61 | |
| Raja leopardus | 11.94 | 12 | 1.55 | |
| Raja caudaspinosa | 7.96 | 10 | 1.03 | |
| Genypterus capensis | 6.97 | 2 | 0.91 | 476 |
| Helicolenus dactylopterus | 5.55 | 18 | 0.72 | 480 |
| Histioteuthis miranda | 5.18 | 4 | 0.67 | |
| J E L L Y F I S H | 4.48 | 251 | 0.58 | |
| Psychrolutes macrocephalus | 4.28 | 18 | 0.56 | |
| Selachophidium guentheri | 3.26 | 22 | 0.42 | |
| Coelorinchus matamua | 2.97 | 9 | 0.39 | |
| Plesionika martia | 2.51 | 215 | 0.33 | |
| Anemones, pink | 1.63 | 9 | 0.21 | |
| G A S T R O P O D S | 0.59 | 54 | 0.08 | |
| Neoscopelus sp. | 0.37 | 18 | 0.05 | |
| Shark eggs | 0.12 | 9 | 0.02 | |
| Rossia sp. | 0.11 | 9 | 0.01 | |
| Stereomastis sp. | 0.07 | 9 | 0.01 | |
| Stoloteuthis sp. | 0.05 | 9 | 0.01 | |
| Lucigadus ori | 0.05 | 9 | 0.01 | |
| Total | 769.66 | | 100.01 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 51
DATE :30/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°48.65
start stop duration Lon E 16°48.16
TIME :09:11:20 09:42:10 30.8 (min) Purpose : 3
LOG : 3891.83 3893.28 1.5 Region : 6100
FDEPTH: 444 445 Gear cond.: 0
BDEPTH: 444 445 Validity : 0
Towing dir: 0° Wire out : 900 m Speed : 2.8 kn
Sorted : 49 Total catch: 578.85 Catch/hour: 1126.54

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Notacanthus sexspinis | 536.17 | 5362 | 47.59 | |
| Black sand dollar | 170.09 | 8505 | 15.10 | |
| Merluccius paradoxus | 66.17 | 35 | 5.87 | 486 |
| Merluccius paradoxus | 62.28 | 93 | 5.53 | 485 |
| Lophius vomerinus | 50.60 | 37 | 4.49 | 482 |
| Coelorinchus simorhynchus | 42.52 | 813 | 3.77 | |
| Starfish | 33.28 | 0 | 2.95 | |
| Helicolenus dactylopterus | 31.14 | 144 | 2.76 | 484 |
| Bassanago albescens | 24.04 | 18 | 2.13 | |
| Whelks | 20.34 | 592 | 1.81 | |
| Parapagurus dimorphus | 17.56 | 8783 | 1.56 | |
| Anemones, white | 16.27 | 203 | 1.44 | |
| Genypterus capensis | 15.57 | 12 | 1.38 | 483 |
| Psychrolutes macrocephalus | 10.20 | 18 | 0.91 | |
| Malacocephalus laevis | 6.69 | 18 | 0.59 | |
| Oreosoma atlanticum | 5.62 | 92 | 0.50 | |
| Plesionika martia | 4.53 | 1226 | 0.40 | |
| Stereomastis sp. | 2.53 | 370 | 0.22 | |
| Lucigadus ori | 2.33 | 185 | 0.21 | |
| Chaceon maritae | 2.03 | 18 | 0.18 | |
| J E L L Y F I S H | 1.85 | 93 | 0.16 | |
| G A S T R O P O D S | 1.37 | 203 | 0.12 | |
| Todarodes angolensis | 1.17 | 2 | 0.10 | 481 |
| Photichthys argenteus | 1.02 | 37 | 0.09 | |
| Rossia enigmatica | 0.52 | 18 | 0.05 | |
| Funchalia woodwardi | 0.28 | 18 | 0.02 | |
| Coelorinchus braueri | 0.22 | 18 | 0.02 | |
| Amalda obtusa | 0.15 | 56 | 0.01 | |
| Total | 1126.54 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 52
DATE :30/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°48.15
start stop duration Lon E 16°59.14
TIME :11:14:57 11:46:25 31.5 (min) Purpose : 3
LOG : 3904.54 3906.05 1.5 Region : 6100
FDEPTH: 349 347 Gear cond.: 0
BDEPTH: 349 347 Validity : 0
Towing dir: 0° Wire out : 840 m Speed : 2.9 kn
Sorted : 373 Total catch: 452.79 Catch/hour: 863.56

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 345.20 | 678 | 39.97 | 492 |
| Merluccius paradoxus | 144.95 | 403 | 16.78 | 491 |
| Coelorinchus simorhynchus | 94.41 | 1348 | 10.93 | |
| Helicolenus dactylopterus | 41.96 | 235 | 4.86 | 488 |
| Squalus mitsukurii | 36.24 | 8 | 4.20 | |
| Zeus capensis | 34.33 | 59 | 3.98 | 487 |
| Starfish | 31.75 | 0 | 3.68 | |
| PORIFERA (Sponges) | 22.89 | 25 | 2.65 | |
| Whelks | 21.46 | 536 | 2.48 | |
| Genypterus capensis | 17.16 | 15 | 1.99 | 489 |
| Malacocephalus laevis | 15.26 | 21 | 1.77 | |
| Parapagurus pilosimanus | 12.02 | 801 | 1.39 | |
| Rochinia sp. | 8.58 | 671 | 0.99 | |
| Exodromidia sp. | 4.81 | 370 | 0.56 | |
| Lophius vomerinus | 4.39 | 4 | 0.51 | 490 |
| G A S T R O P O D S | 4.29 | 0 | 0.50 | |
| J E L L Y F I S H | 4.29 | 0 | 0.50 | |
| Lampanyctodes hectoris | 3.81 | 0 | 0.44 | |
| Anemones, white | 3.60 | 26 | 0.42 | |
| Notacanthus sexspinis | 2.88 | 26 | 0.33 | |
| Mursia cristimanus | 1.83 | 275 | 0.21 | |
| Cranchia scabra | 1.44 | 9 | 0.17 | |
| Holohalaelurus regani | 1.34 | 2 | 0.15 | |
| Rossia enigmatica | 1.10 | 43 | 0.13 | |
| Lucigadus ori | 0.75 | 120 | 0.09 | |
| Sepia hieronis | 0.62 | 9 | 0.07 | |
| Symbolophorus boops | 0.56 | 34 | 0.06 | |
| Stereomastis sp. | 0.47 | 103 | 0.05 | |
| Paracallionymus costatus | 0.41 | 69 | 0.05 | |
| Merluccius paradoxus | 0.18 | 34 | 0.02 | 494 |
| Sepia sp. New SA | 0.18 | 34 | 0.02 | |
| Aphrodite pol | 0.12 | 17 | 0.01 | |
| Brown sand dollar | 0.09 | 9 | 0.01 | |
| Argyropelecus aculeatus | 0.08 | 17 | 0.01 | |
| Pterygosquilla armata capensis | 0.07 | 9 | 0.01 | |
| Lophius vomerinus | 0.02 | 9 | 0.00 | 493 |
| Stoloteuthis sp. | 0.02 | 9 | 0.00 | |
| Echinus gilchristi ? | 0.02 | 9 | 0.00 | |
| Argyropelecus hemigymnus | 0.01 | 9 | 0.00 | |
| Total | 863.56 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 53
DATE :30/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°52.45
start stop duration Lon E 17°20.79
TIME :14:19:50 14:49:59 30.2 (min) Purpose : 3
LOG : 3926.18 3927.75 1.6 Region : 6100
FDEPTH: 303 305 Gear cond.: 0
BDEPTH: 303 305 Validity : 0
Towing dir: 0° Wire out : 720 m Speed : 3.1 kn
Sorted : 260 Total catch: 312.00 Catch/hour: 620.90

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Zeus capensis | 191.04 | 358 | 30.77 | 498 |
| Merluccius paradoxus | 189.05 | 980 | 30.45 | 497 |
| Coelorinchus simorhynchus | 89.55 | 2239 | 14.42 | |
| Merluccius capensis | 34.83 | 16 | 5.61 | 505 |
| Malacocephalus laevis | 25.67 | 96 | 4.13 | |
| Todaropsis eblanae | 16.72 | 185 | 2.69 | 509 |
| Merluccius paradoxus | 9.95 | 8 | 1.60 | 504 |
| Emmelichthys nitidus | 9.95 | 20 | 1.60 | |
| Trachurus capensis | 7.96 | 34 | 1.28 | 500 |
| Starfish | 7.16 | 0 | 1.15 | |
| Helicolenus dactylopterus | 6.17 | 78 | 0.99 | 502 |
| Paracallionymus costatus | 5.97 | 816 | 0.96 | |
| Lophius vomerinus | 3.48 | 2 | 0.56 | 503 |
| Loligo reynaudi | 2.79 | 8 | 0.45 | 506 |
| Brama brama | 2.59 | 10 | 0.42 | 501 |
| Notacanthus sexspinis | 2.39 | 6 | 0.38 | |
| Merluccius capensis | 2.19 | 2 | 0.35 | 507 |
| Whelks | 2.09 | 48 | 0.34 | |
| Unidentified invertebrate | 2.07 | 155 | 0.33 | |
| J E L L Y F I S H | 1.79 | 0 | 0.29 | |
| Genypterus capensis | 1.39 | 2 | 0.22 | 499 |
| Exodromidia sp. | 1.04 | 78 | 0.17 | |
| Raja caudaspinosa | 1.00 | 2 | 0.16 | |
| Merluccius paradoxus | 0.90 | 149 | 0.14 | 508 |
| Sepia sp. New SA | 0.72 | 12 | 0.12 | |
| Rossia enigmatica | 0.60 | 18 | 0.10 | |
| Aphrodite pol | 0.48 | 96 | 0.08 | |
| Mursia cristimanus | 0.41 | 84 | 0.07 | |
| Chlorophthalmus punctatus | 0.33 | 12 | 0.05 | |
| Parapagurus dimorphus | 0.22 | 12 | 0.04 | |
| Nudibranchs | 0.16 | 18 | 0.03 | |
| Lucigadus ori | 0.13 | 18 | 0.02 | |
| Lophius vomerinus | 0.07 | 12 | 0.01 | 510 |
| Argyropelecus aculeatus | 0.03 | 12 | 0.00 | |
| Sepia faurei | 0.01 | 6 | 0.00 | |
| Total | 620.90 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 54
DATE :30/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°41.32
start stop duration Lon E 17°36.78
TIME :17:08:03 17:38:23 30.3 (min) Purpose : 3
LOG : 3946.93 3948.39 1.5 Region : 6100
FDEPTH: 235 228 Gear cond.: 0
BDEPTH: 235 228 Validity : 0
Towing dir: 0° Wire out : 585 m Speed : 2.9 kn
Sorted : 107 Total catch: 225.30 Catch/hour: 445.69

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 133.87 | 965 | 30.04 | 517 |
| Parapagurus dimorphus | 120.67 | 17238 | 27.08 | |
| Coelorinchus simorhynchus | 55.39 | 1731 | 12.43 | |
| J E L L Y F I S H | 37.59 | 0 | 8.43 | |
| Merluccius capensis | 16.16 | 55 | 3.62 | 518 |
| Paracallionymus costatus | 13.85 | 2663 | 3.11 | |
| Merluccius paradoxus | 12.86 | 20 | 2.89 | 516 |
| Lampanyctodes hectoris | 11.08 | 0 | 2.49 | |
| Lophius vomerinus | 9.89 | 6 | 2.22 | 511 |
| Genypterus capensis | 6.92 | 6 | 1.55 | 512 |
| Sepia australis | 5.86 | 344 | 1.31 | |
| Merluccius paradoxus | 5.08 | 355 | 1.14 | 520 |
| Holohalaelurus regani | 3.56 | 24 | 0.80 | |
| Merluccius capensis | 3.17 | 2 | 0.71 | 515 |
| Todaropsis eblanae | 2.77 | 32 | 0.62 | 519 |
| Starfish | 1.38 | 0 | 0.31 | |
| Raja confundens | 0.99 | 2 | 0.22 | |
| Helicolenus dactylopterus | 0.71 | 32 | 0.16 | 521 |
| Cynoglossus zanzibarensis | 0.67 | 5 | 0.15 | 522 |
| Exodromidia sp. | 0.66 | 32 | 0.15 | |
| Chelidonichthys capensis | 0.59 | 2 | 0.13 | |
| Whelks | 0.48 | 14 | 0.11 | |
| Maurolicus muelleri | 0.45 | 0 | 0.10 | |
| Chelidonichthys queketti | 0.40 | 2 | 0.09 | |
| Rochinia sp. | 0.37 | 28 | 0.08 | |
| Solenocera sp. | 0.13 | 18 | 0.03 | |
| Mursia cristimanus | 0.11 | 9 | 0.02 | |
| Physiculus capensis | 0.03 | 5 | 0.01 | |
| Total | 445.69 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 55
DATE :31/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°32.95
start stop duration Lon E 17°46.02
TIME :04:18:25 04:48:27 30.0 (min) Purpose : 3
LOG : 3972.98 3974.34 1.4 Region : 6100
FDEPTH: 150 155 Gear cond.: 0
BDEPTH: 150 155 Validity : 0
Towing dir: 0° Wire out : 375 m Speed : 2.7 kn
Sorted : 194 Total catch: 983.41 Catch/hour: 1964.21

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Chelidonichthys capensis | 964.71 | 3083 | 49.11 | 525 |
| Callorhinchus capensis | 332.16 | 539 | 16.91 | |
| Pterygosquilla armata capensis | 125.83 | 7768 | 6.41 | |
| Merluccius capensis | 120.64 | 950 | 6.14 | 526 |
| J E L L Y F I S H | 105.86 | 0 | 5.39 | |
| Lampanyctodes hectoris | 77.90 | 0 | 3.97 | |
| Genypterus capensis | 75.90 | 70 | 3.86 | 523 |
| Sepia hieronis | 31.96 | 799 | 1.63 | |
| Merluccius paradoxus | 25.29 | 1650 | 1.29 | 527 |
| Exodromidia sp. | 25.17 | 3146 | 1.28 | |
| Sepia australis | 21.17 | 1412 | 1.08 | |
| Whelks | 15.74 | 377 | 0.80 | |
| Raja straeleni | 10.99 | 12 | 0.56 | |
| Austroglossus microlepis | 5.99 | 24 | 0.31 | 524 |
| Trachurus capensis | 4.79 | 67 | 0.24 | 528 |
| Todaropsis eblanae | 3.85 | 125 | 0.20 | 530 |
| Paracallionymus costatus | 3.28 | 443 | 0.17 | |
| Helicolenus dactylopterus | 3.10 | 145 | 0.16 | 529 |
| Lepidopus caudatus | 2.12 | 126 | 0.11 | |
| Coelorinchus simorhynchus | 1.94 | 77 | 0.10 | |
| Genypterus capensis | 1.74 | 29 | 0.09 | 531 |
| Squalus megalops | 1.40 | 10 | 0.07 | |
| Starfish | 0.88 | 134 | 0.04 | |
| Sufflogobius bibarbatus | 0.86 | 57 | 0.04 | |
| Cynoglossus zanzibarensis | 0.41 | 10 | 0.02 | 532 |
| Parapagurus dimorphus | 0.17 | 10 | 0.01 | |
| Nudibranchs | 0.14 | 58 | 0.01 | |
| Solenocera sp. | 0.14 | 19 | 0.01 | |
| Engraulis capensis | 0.11 | 10 | 0.01 | |
| Total | 1964.21 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 56
DATE :31/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°24.92
start stop duration Lon E 18°4.14
TIME :06:55:42 07:26:31 30.8 (min) Purpose : 3
LOG : 3991.66 3993.07 1.4 Region : 6100
FDEPTH: 91 95 Gear cond.: 0
BDEPTH: 91 95 Validity : 0
Towing dir: 0° Wire out : 250 m Speed : 2.7 kn
Sorted : 25 Total catch: 351.12 Catch/hour: 683.77

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Pterygosquilla armata capensis | 417.72 | 29836 | 61.09 | |
| Sufflogobius bibarbatus | 167.09 | 5967 | 24.44 | |
| J E L L Y F I S H | 30.38 | 0 | 4.44 | |
| Chelidonichthys capensis | 19.47 | 74 | 2.85 | 536 |
| CYPRAEIDAE (Bulia) | 16.71 | 543 | 2.44 | |
| Merluccius capensis | 15.58 | 99 | 2.28 | 534 |
| Exodromidia sp. | 7.59 | 409 | 1.11 | |
| Merluccius capensis | 3.89 | 6 | 0.57 | |
| Raja straeleni | 2.14 | 2 | 0.31 | |
| Ascidans | 0.84 | 329 | 0.12 | |
| Bristle worms (straws) | 0.81 | 76 | 0.12 | |
| Austroglossus microlepis | 0.68 | 8 | 0.10 | 533 |
| Trachurus trachurus | 0.58 | 19 | 0.09 | 535 |
| Starfish | 0.28 | 51 | 0.04 | |
| Total | 683.77 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 57
DATE :31/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 31°59.88
start stop duration Lon E 18°6.63
TIME :10:18:41 10:49:07 30.4 (min) Purpose : 3
LOG : 4017.02 4018.43 1.4 Region : 6100
FDEPTH: 106 106 Gear cond.: 0
BDEPTH: 106 106 Validity : 0
Towing dir: 0° Wire out : 250 m Speed : 2.8 kn
Sorted : 35 Total catch: 272.93 Catch/hour: 538.32

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| CYPRAEIDAE (Bulia) | 227.81 | 28476 | 42.32 | |
| Sufflogobius bibarbatus | 179.49 | 10558 | 33.34 | |
| J E L L Y F I S H | 37.28 | 0 | 6.92 | |
| Chelidonichthys capensis | 23.67 | 0 | 4.40 | 538 |
| Merluccius capensis | 23.67 | 203 | 4.40 | 540 |
| Bristle worms (straws) | 17.95 | 0 | 3.33 | |
| Pterygosquilla armata capensis | 13.81 | 1726 | 2.56 | |
| Austroglossus microlepis | 6.51 | 39 | 1.21 | 537 |
| Merluccius capensis | 3.22 | 570 | 0.60 | 543 |
| Merluccius capensis | 1.48 | 2 | 0.27 | 539 |
| Jasus lalandii | 1.18 | 10 | 0.22 | 542 |
| Etrumeus whiteheadi | 0.99 | 22 | 0.18 | |
| Jasus lalandii | 0.39 | 4 | 0.07 | 541 |
| Trachurus capensis | 0.39 | 8 | 0.07 | 544 |
| Todaropsis eblanae | 0.37 | 34 | 0.07 | 545 |
| Lepidopus caudatus | 0.10 | 4 | 0.02 | |
| Total | 538.32 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 58
DATE :31/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°1.73
start stop duration Lon E 17°55.01
TIME :12:36:09 13:07:18 31.2 (min) Purpose : 3
LOG : 4030.30 4031.79 1.5 Region : 6100
FDEPTH: 124 124 Gear cond.: 0
BDEPTH: 124 124 Validity : 0
Towing dir: 0° Wire out : 300 m Speed : 2.9 kn
Sorted : 103 Total catch: 562.16 Catch/hour: 1082.46

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| PORIFERA (Sponges) | 656.61 | 0 | 60.66 | |
| Pterygosquilla armata capensis | 161.75 | 70202 | 14.94 | 0 |
| Merluccius capensis | 77.02 | 661 | 7.12 | 552 |
| CYPRAEIDAE (Bulia) | 50.83 | 2542 | 4.70 | |
| J E L L Y F I S H | 43.90 | 0 | 4.06 | |
| Chelidonichthys capensis | 31.77 | 129 | 2.94 | 548 |
| Brama brama | 15.40 | 6 | 1.42 | 547 |
| Exodromidia sp. | 7.39 | 462 | 0.68 | |
| Callorhinchus capensis | 6.74 | 8 | 0.62 | |
| Mustelus palumbes, juvenile | 5.78 | 2 | 0.53 | |
| Austroglossus microlepis | 5.78 | 27 | 0.53 | 546 |
| Merluccius paradoxus | 4.81 | 58 | 0.44 | 553 |
| Todaropsis eblanae | 4.62 | 196 | 0.43 | 549 |
| Lophius vomerinus | 2.33 | 23 | 0.22 | 556 |
| Etrumeus whiteheadi | 1.93 | 37 | 0.18 | |
| Sufflogobius bibarbatus | 1.39 | 81 | 0.13 | |
| Trachurus capensis | 1.08 | 23 | 0.10 | 551 |
| Merluccius paradoxus | 0.78 | 70 | 0.07 | 555 |
| Genypterus capensis | 0.77 | 4 | 0.07 | 550 |
| Starfish | 0.69 | 116 | 0.06 | |
| Lepidopus caudatus | 0.43 | 13 | 0.04 | |
| Plagiogeneion rubignosus | 0.24 | 12 | 0.02 | |
| Mursia cristimanus | 0.21 | 12 | 0.02 | |
| Merluccius capensis | 0.19 | 35 | 0.02 | 554 |
| Lolligoncula mercatoris | 0.01 | 12 | 0.00 | |
| Total | 1082.46 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 59
DATE :31/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°10.03
start stop duration Lon E 17°43.48
TIME :15:07:21 15:37:37 30.3 (min) Purpose : 3
LOG : 4046.16 4047.59 1.4 Region : 6100
FDEPTH: 154 151 Gear cond.: 0
BDEPTH: 154 151 Validity : 0
Towing dir: 0° Wire out : 350 m Speed : 2.8 kn
Sorted : 67 Total catch: 684.11 Catch/hour: 1356.91

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 456.20 | 12608 | 33.62 | 571 |
| Lampanyctodes hectoris | 277.69 | 89576 | 20.46 | |
| J E L L Y F I S H | 218.18 | 0 | 16.08 | |
| Merluccius capensis | 107.11 | 635 | 7.89 | 562 |
| Pterygosquilla armata capensis | 79.34 | 6347 | 5.85 | |
| Sepia australis | 69.42 | 5984 | 5.12 | |
| Paracallionymus costatus | 51.17 | 46522 | 3.77 | |
| Merluccius paradoxus | 36.89 | 2420 | 2.72 | 565 |
| Thyrsites atun | 11.90 | 4 | 0.88 | 561 |
| Chelidonichthys capensis | 9.92 | 32 | 0.73 | 557 |
| Lophius vomerinus | 8.93 | 20 | 0.66 | 558 |
| Todaropsis eblanae | 8.33 | 218 | 0.61 | 563 |
| Callorhinchus capensis | 3.97 | 2 | 0.29 | |
| Coelorinchus simorhynchus | 3.41 | 198 | 0.25 | |
| Helicolenus dactylopterus | 2.98 | 198 | 0.22 | 564 |
| Lophius vomerinus | 2.62 | 60 | 0.19 | 566 |
| CYPRAEIDAE (Bulia) | 1.82 | 40 | 0.13 | |
| Genypterus capensis | 1.49 | 6 | 0.11 | 559 |
| Cynoglossus zanzibarensis | 1.49 | 20 | 0.11 | 569 |
| Whelks | 1.17 | 20 | 0.09 | |
| Genypterus capensis | 0.85 | 20 | 0.06 | 570 |
| Loligo reynaudi | 0.79 | 2 | 0.06 | 560 |
| Trachurus capensis | 0.63 | 20 | 0.05 | 567 |
| Exodromidia sp. | 0.38 | 20 | 0.03 | |
| Physiculus capensis | 0.20 | 20 | 0.01 | |
| Zeus capensis | 0.04 | 20 | 0.00 | 568 |
| Total | 1356.91 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 60
DATE :31/01/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°14.32
start stop duration Lon E 17°27.56
TIME :17:25:42 17:45:53 20.2 (min) Purpose : 3
LOG : 4062.85 4063.80 1.0 Region : 6100
FDEPTH: 180 183 Gear cond.: 0
BDEPTH: 180 183 Validity : 0
Towing dir: 0° Wire out : 455 m Speed : 2.8 kn
Sorted : 105 Total catch: 1266.96 Catch/hour: 3768.83

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 2463.06 | 35875 | 65.35 | 574 |
| Parapagurus dimorphus | 642.54 | 53545 | 17.05 | |
| J E L L Y F I S H | 160.63 | 0 | 4.26 | |
| Lampanyctodes hectoris | 107.09 | 33466 | 2.84 | |
| Sepia australis | 97.99 | 5598 | 2.60 | |
| Merluccius capensis | 37.48 | 54 | 0.99 | 576 |
| Lophius vomerinus | 35.70 | 51 | 0.95 | 573 |
| Brown sand dollar | 33.20 | 696 | 0.88 | |
| Coelorinchus simorhynchus | 32.13 | 1446 | 0.85 | |
| Chelidonichthys capensis | 31.23 | 89 | 0.83 | 572 |
| Raja straeleni | 25.29 | 9 | 0.67 | |
| ANTHOZOA (Sea anemones) | 16.17 | 54 | 0.43 | |
| Lophius vomerinus | 13.39 | 375 | 0.36 | 579 |
| Callorhinchus capensis | 11.90 | 9 | 0.32 | |
| Merluccius paradoxus | 9.01 | 535 | 0.24 | 575 |
| Mustelus palumbes | 8.92 | 3 | 0.24 | |
| Spatangus capensis | 8.03 | 54 | 0.21 | |
| Cynoglossus zanzibarensis | 6.43 | 161 | 0.17 | 578 |
| Paracallionymus costatus | 6.00 | 643 | 0.16 | |
| Pterygosquilla armata capensis | 5.73 | 535 | 0.15 | |
| Lepidopus caudatus | 5.41 | 214 | 0.14 | |
| Helicolenus dactylopterus | 4.28 | 161 | 0.11 | 577 |
| Exodromidia sp. | 3.32 | 107 | 0.09 | |
| Starfish | 1.82 | 214 | 0.05 | |
| Aphrodite pol | 1.61 | 107 | 0.04 | |
| Ascidiacea | 0.48 | 54 | 0.01 | |
| Total | 3768.83 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 61
DATE :01/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°41.67
start stop duration Lon E 16°36.64
TIME :04:37:16 05:07:31 30.2 (min) Purpose : 3
LOG : 4121.73 4123.23 1.5 Region : 6100
FDEPTH: 581 582 Gear cond.: 0
BDEPTH: 581 582 Validity : 0
Towing dir: 0° Wire out : 1160 m Speed : 3.0 kn
Sorted : 205 Total catch: 205.03 Catch/hour: 406.80

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 123.02 | 127 | 30.24 | 580 |
| Coelorinchus braueri | 43.65 | 1091 | 10.73 | |
| Bristle worms (straws) | 33.73 | 12046 | 8.29 | |
| Etmopterus lucifer | 29.76 | 248 | 7.32 | |
| Merluccius paradoxus | 27.78 | 42 | 6.83 | 581 |
| Chaceon maritae | 25.79 | 258 | 6.34 | |
| Coelorinchus matamua | 25.79 | 65 | 6.34 | |
| Selachophidium guentheri | 19.84 | 169 | 4.88 | |
| Helicolenus dactylopterus | 18.85 | 91 | 4.63 | 582 |
| Bathyraja smithii | 9.92 | 2 | 2.44 | |
| Nezumia sp. | 8.33 | 946 | 2.05 | |
| Notacanthus sexspinis | 6.75 | 183 | 1.66 | |
| Anemones, pink | 5.95 | 30 | 1.46 | |
| Lophius vomerinus | 5.95 | 6 | 1.46 | 584 |
| Hydrolagus sp. | 5.65 | 10 | 1.39 | |
| Lepidion capensis | 2.58 | 26 | 0.63 | |
| Brama brama | 2.38 | 10 | 0.59 | 583 |
| Todarodes angolensis | 2.18 | 2 | 0.54 | 586 |
| Sergia sp. | 1.53 | 254 | 0.38 | |
| Hoplostethus atlanticus | 1.39 | 2 | 0.34 | 585 |
| Starfish | 1.19 | 0 | 0.29 | |
| Myxine capensis | 0.79 | 18 | 0.20 | |
| Bathypolypus valdiviae | 0.69 | 10 | 0.17 | |
| Ophichthus bennettai | 0.60 | 4 | 0.15 | |
| Neocyttus rhomboidalis | 0.54 | 4 | 0.13 | |
| Synaphobranchus kaupii | 0.53 | 4 | 0.13 | |
| Photichthys argenteus | 0.34 | 2 | 0.08 | |
| Whelks | 0.33 | 6 | 0.08 | |
| Bassanago albescens | 0.28 | 2 | 0.07 | |
| Neoscopelus macrolepidotus | 0.21 | 8 | 0.05 | |
| Plesiopenaeus edwardsianus | 0.13 | 8 | 0.03 | |
| Allocyttus verrucosus | 0.10 | 2 | 0.03 | |
| Chauliodus sloani | 0.05 | 4 | 0.01 | |
| Aldrovandia phalarca | 0.05 | 2 | 0.01 | |
| Hoplostethus mediterraneus | 0.04 | 2 | 0.01 | |
| Rossia sp. | 0.04 | 2 | 0.01 | |
| Aristeus varidens | 0.03 | 2 | 0.01 | |
| Champsodon capensis | 0.02 | 2 | 0.01 | |
| Stoloteuthis sp. | 0.01 | 2 | 0.00 | |
| Total | 406.80 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 62
DATE :01/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°41.35
start stop duration Lon E 16°40.38
TIME :06:17:41 06:47:47 30.1 (min) Purpose : 3
LOG : 4128.17 4129.54 1.4 Region : 6100
FDEPTH: 456 459 Gear cond.: 0
BDEPTH: 456 459 Validity : 0
Towing dir: 0° Wire out : 900 m Speed : 2.7 kn
Sorted : 346 Total catch: 345.56 Catch/hour: 688.82

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 177.41 | 227 | 25.76 | 592 |
| Merluccius paradoxus | 151.50 | 265 | 21.99 | 591 |
| Genypterus capensis | 135.55 | 52 | 19.68 | 589 |
| Chaceon maritae | 33.89 | 399 | 4.92 | |
| Notacanthus sexspinis | 27.91 | 508 | 4.05 | |
| Starfish | 25.91 | 4798 | 3.76 | |
| Coelorinchus simorhynchus | 23.92 | 520 | 3.47 | |
| Helicolenus dactylopterus | 21.93 | 110 | 3.18 | 590 |
| Lophius vomerinus | 17.94 | 14 | 2.60 | 587 |
| Bassanago albescens | 16.94 | 34 | 2.46 | |
| Raja leopardus | 15.95 | 8 | 2.32 | |
| J E L L Y F I S H | 10.96 | 0 | 1.59 | |
| Octopus magnificus | 4.98 | 2 | 0.72 | |
| Plesionika martia | 2.99 | 564 | 0.43 | |
| Etmopterus brachyurus | 2.89 | 18 | 0.42 | |
| Coelorinchus braueri | 2.63 | 175 | 0.38 | |
| Whelks | 2.23 | 60 | 0.32 | |
| Raja confundens | 1.99 | 2 | 0.29 | |
| Brama brama | 1.40 | 6 | 0.20 | 593 |
| Todarodes angolensis | 1.21 | 2 | 0.18 | 594 |
| Bathypolypus valdiviae | 1.00 | 14 | 0.14 | |
| Todarodes angolensis | 1.00 | 2 | 0.14 | 588 |
| Malacocephalus laevis | 1.00 | 4 | 0.14 | |
| Lucigadus ori | 0.86 | 140 | 0.12 | |
| Myxine capensis | 0.75 | 12 | 0.11 | |
| Bristle worms (straws) | 0.60 | 0 | 0.09 | |
| Psychrolutes macrocephalus | 0.53 | 6 | 0.08 | |
| Nezumia sp. | 0.48 | 38 | 0.07 | |
| Lycoteuthis lorigera, male | 0.30 | 2 | 0.04 | |
| Photichthys argenteus | 0.29 | 8 | 0.04 | |
| Physiculus capensis | 0.22 | 8 | 0.03 | |
| Paracallionymus costatus | 0.22 | 74 | 0.03 | |
| Anemones, white | 0.18 | 2 | 0.03 | |
| Rossia enigmatica | 0.12 | 6 | 0.02 | |
| Neocyttus rhomboidalis | 0.06 | 2 | 0.01 | |
| Stereomastis sp. | 0.06 | 8 | 0.01 | |
| Plagiogeneion rubignosus | 0.05 | 2 | 0.01 | |
| Rossia sp. | 0.04 | 2 | 0.01 | |
| Diretmoides parini | 0.04 | 2 | 0.01 | |
| Shark eggs | 0.04 | 2 | 0.01 | |
| PARALEPIDIDAE | 0.04 | 2 | 0.01 | |
| Symbolophorus boops | 0.04 | 2 | 0.01 | |
| Leptocephalus | 0.03 | 2 | 0.00 | |
| Epigonus sp. | 0.03 | 2 | 0.00 | |
| Howella sherborni | 0.03 | 2 | 0.00 | |
| Raja leopardus, juvenile | 0.02 | 2 | 0.00 | |
| G A S T R O P O D S | 0.02 | 2 | 0.00 | |
| Chauliodus sloani | 0.02 | 2 | 0.00 | |
| Cryptopsaras couesii | 0.02 | 2 | 0.00 | |
| Lycoteuthis lorigera, female | 0.01 | 2 | 0.00 | |
| Argyropelecus gigas | 0.01 | 2 | 0.00 | |
| Stoloteuthis sp. | 0.00 | 2 | 0.00 | |
| Nemichthys curvirostris | 0.00 | 2 | 0.00 | |
| Hoplostethus mediterraneus | 0.00 | 4 | 0.00 | |
| Trachurus capensis | 0.00 | 2 | 0.00 | 595 |
| Total | 688.23 | | 99.91 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 63
DATE :01/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°36.00
start stop duration Lon E 16°45.08
TIME :08:08:10 08:38:07 30.0 (min) Purpose : 3
LOG : 4137.59 4139.00 1.4 Region : 6100
FDEPTH: 392 394 Gear cond.: 0
BDEPTH: 392 394 Validity : 0
Towing dir: 0° Wire out : 800 m Speed : 2.8 kn
Sorted : 103 Total catch: 172.52 Catch/hour: 345.51

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus simorhynchus | 72.10 | 721 | 20.87 | |
| Genypterus capensis | 58.08 | 38 | 16.81 | 599 |
| Notacanthus sexspinis | 48.06 | 481 | 13.91 | |
| Merluccius paradoxus | 26.03 | 50 | 7.54 | 601 |
| Brown sand dollar | 22.43 | 0 | 6.49 | |
| Squalus mitsukurii | 20.03 | 4 | 5.80 | |
| Merluccius paradoxus | 20.03 | 30 | 5.80 | 600 |
| Helicolenus dactylopterus | 19.03 | 70 | 5.51 | 598 |
| Starfish | 17.62 | 0 | 5.10 | |
| Brown sand dollar | 16.02 | 1602 | 4.64 | 0 |
| Lophius vomerinus | 14.02 | 8 | 4.06 | 597 |
| Octopus magnificus | 3.00 | 2 | 0.87 | |
| Anemones, white | 2.40 | 16 | 0.70 | |
| Bassanago albescens | 2.40 | 16 | 0.70 | |
| Parapagurus pilosimanus | 0.96 | 48 | 0.28 | |
| Lucigadus ori | 0.71 | 88 | 0.21 | |
| Anemones, pink | 0.63 | 96 | 0.18 | |
| Whelks | 0.58 | 24 | 0.17 | |
| Cone gastropod | 0.30 | 24 | 0.09 | |
| Physiculus capensis | 0.27 | 8 | 0.08 | |
| Plagiogeneion rubignosus | 0.18 | 8 | 0.05 | |
| Stereomastis sp. | 0.17 | 24 | 0.05 | |
| Paracallionymus costatus | 0.15 | 32 | 0.04 | |
| Symbolophorus boops | 0.13 | 8 | 0.04 | |
| Amalda obtusa | 0.06 | 24 | 0.02 | |
| PARALEPIDIDAE | 0.06 | 8 | 0.02 | |
| Merluccius paradoxus | 0.03 | 16 | 0.01 | 602 |
| Total | 345.51 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 64
DATE :01/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°33.45
start stop duration Lon E 16°57.32
TIME :10:22:59 10:53:45 30.8 (min) Purpose : 3
LOG : 4150.41 4151.82 1.4 Region : 6100
FDEPTH: 314 313 Gear cond.: 0
BDEPTH: 314 313 Validity : 0
Towing dir: 0° Wire out : 750 m Speed : 2.8 kn
Sorted : 223 Total catch: 458.40 Catch/hour: 894.15

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Parapagurus dimorphus | 382.31 | 39414 | 42.76 | |
| Merluccius paradoxus | 154.10 | 589 | 17.23 | 603 |
| Coelorinchus simorhynchus | 106.50 | 1937 | 11.91 | |
| Genypterus capensis | 46.81 | 35 | 5.24 | 609 |
| Merluccius capensis | 35.11 | 14 | 3.93 | 608 |
| Merluccius paradoxus | 26.33 | 20 | 2.95 | 607 |
| Squalus megalops | 24.38 | 25 | 2.73 | |
| Holohalaelurus regani | 23.41 | 45 | 2.62 | |
| Starfish | 17.95 | 0 | 2.01 | |
| Rochinia sp. | 15.60 | 521 | 1.75 | |
| Lophius vomerinus | 13.65 | 10 | 1.53 | 604 |
| Lampanyctodes hectoris | 11.70 | 0 | 1.31 | |
| Zeus capensis | 7.80 | 16 | 0.87 | 605 |
| Helicolenus dactylopterus | 5.85 | 33 | 0.65 | 606 |
| Whelks | 5.05 | 293 | 0.57 | |
| Malacocephalus laevis | 3.86 | 12 | 0.43 | |
| Anemones, pink | 3.82 | 12 | 0.43 | |
| J E L L Y F I S H | 2.24 | 0 | 0.25 | |
| Trachurus capensis | 1.94 | 11 | 0.22 | 613 |
| Maurolicus muelleri | 1.17 | 0 | 0.13 | |
| Todaropsis eblanae | 1.12 | 11 | 0.13 | 611 |
| Xenolepidichthys dagleishi | 0.64 | 12 | 0.07 | |
| Paracallionymus costatus | 0.59 | 78 | 0.07 | |
| Merluccius paradoxus | 0.45 | 112 | 0.05 | 610 |
| Mursia cristimanus | 0.43 | 45 | 0.05 | |
| Lucigadus ori | 0.28 | 45 | 0.03 | |
| Physiculus capensis | 0.20 | 23 | 0.02 | |
| Stoloteuthis sp. | 0.20 | 68 | 0.02 | |
| Todaropsis eblanae | 0.20 | 11 | 0.02 | 612 |
| Rossia enigmatica | 0.16 | 12 | 0.02 | |
| Pterygosquilla armata capensis | 0.12 | 12 | 0.01 | |
| Chlorophthalmus sp. | 0.06 | 12 | 0.01 | |
| Argyropelecus aculeatus | 0.06 | 33 | 0.01 | |
| Paraliparis australis | 0.03 | 23 | 0.00 | |
| Total | 894.15 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 65
DATE :01/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°27.37
start stop duration Lon E 17°3.34
TIME :12:17:19 12:49:01 31.7 (min) Purpose : 3
LOG : 4160.50 4161.93 1.4 Region : 6100
FDEPTH: 294 294 Gear cond.: 0
BDEPTH: 294 294 Validity : 0
Towing dir: 0° Wire out : 740 m Speed : 2.7 kn
Sorted : 29 Total catch: 350.78 Catch/hour: 663.72

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Parapagurus dimorphus | 185.43 | 12362 | 27.94 | |
| Lophius vomerinus | 155.16 | 108 | 23.38 | 617 |
| Coelorinchus simorhynchus | 137.75 | 3936 | 20.75 | |
| Merluccius paradoxus | 39.74 | 151 | 5.99 | 622 |
| Genypterus capensis | 28.38 | 25 | 4.28 | 616 |
| Holohalaelurus regani | 19.87 | 59 | 2.99 | |
| Starfish | 15.89 | 0 | 2.39 | |
| Merluccius paradoxus | 15.14 | 13 | 2.28 | 615 |
| Anemones, pink | 13.25 | 40 | 2.00 | |
| Merluccius capensis | 13.25 | 8 | 2.00 | 614 |
| Maurolicus muelleri | 6.62 | 0 | 1.00 | |
| Lampanyctodes hectoris | 6.62 | 0 | 1.00 | |
| Malacocephalus laevis | 4.24 | 40 | 0.64 | |
| Rochinia sp. | 4.24 | 11 | 0.64 | |
| Myxine capensis | 3.58 | 66 | 0.54 | |
| Paracallionymus costatus | 2.91 | 0 | 0.44 | |
| Squalus megalops | 1.89 | 4 | 0.29 | |
| Helicolenus dactylopterus | 1.89 | 19 | 0.29 | 618 |
| Pterygosquilla armata capensis | 1.59 | 132 | 0.24 | |
| Todaropsis eblanae | 1.43 | 0 | 0.22 | 620 |
| Trachurus capensis | 1.32 | 13 | 0.20 | 619 |
| Raja confundens | 1.32 | 6 | 0.20 | |
| CYPRAEIDAE (Bulia) | 0.79 | 40 | 0.12 | |
| Rossia enigmatica | 0.44 | 26 | 0.07 | |
| Brown sand dollar | 0.38 | 13 | 0.06 | |
| Mursia cristimanus | 0.16 | 13 | 0.02 | |
| Merluccius paradoxus | 0.16 | 26 | 0.02 | 621 |
| Sepia australis | 0.16 | 13 | 0.02 | |
| Amalda obtusa | 0.09 | 13 | 0.01 | |
| Paraliparis australis | 0.03 | 13 | 0.00 | |
| Total | 663.72 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 66
DATE :01/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°22.40
start stop duration Lon E 17°17.61
TIME :14:49:10 15:19:34 30.4 (min) Purpose : 3
LOG : 4176.47 4177.85 1.4 Region : 6100
FDEPTH: 242 238 Gear cond.: 0
BDEPTH: 242 238 Validity : 0
Towing dir: 0° Wire out : 540 m Speed : 2.7 kn
Sorted : 252 Total catch: 1467.71 Catch/hour: 2895.84

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 2111.15 | 22248 | 72.90 | 631 |
| Brown sand dollar | 226.90 | 9865 | 7.84 | |
| Parapagurus dimorphus | 136.14 | 11345 | 4.70 | |
| Coelorinchus simorhynchus | 85.54 | 3889 | 2.95 | |
| Lophius vomerinus | 39.46 | 37 | 1.36 | 626 |
| Holohalaelurus regani | 38.47 | 120 | 1.33 | |
| Merluccius capensis | 37.49 | 26 | 1.29 | 632 |
| Merluccius paradoxus | 33.54 | 36 | 1.16 | 630 |
| Callorhinchus capensis | 31.57 | 14 | 1.09 | |
| Merluccius capensis | 23.68 | 24 | 0.82 | 633 |
| Merluccius capensis | 22.69 | 45 | 0.78 | 634 |
| Paracallionymus costatus | 21.56 | 2052 | 0.74 | |
| Brama brama | 19.73 | 12 | 0.68 | 624 |
| Thyrsites atun | 18.35 | 8 | 0.63 | 627 |
| Sardinops ocellatus | 12.48 | 113 | 0.43 | |
| Genypterus capensis | 7.89 | 18 | 0.27 | 623 |
| Todaropsis eblanae | 7.03 | 68 | 0.24 | 635 |
| Raja straeleni | 3.95 | 2 | 0.14 | |
| Trachurus capensis | 3.86 | 23 | 0.13 | 636 |
| Helicolenus dactylopterus | 3.56 | 113 | 0.12 | 638 |
| Zeus capensis | 3.26 | 6 | 0.11 | 625 |
| Etrumeus whiteheadi | 2.27 | 23 | 0.08 | |
| Helicolenus dactylopterus | 0.99 | 12 | 0.03 | 629 |
| Chelidonichthys capensis | 0.99 | 2 | 0.03 | 628 |
| Merluccius paradoxus | 0.84 | 68 | 0.03 | 637 |
| Mursia cristimanus | 0.80 | 45 | 0.03 | |
| Exodromidia sp. | 0.75 | 23 | 0.03 | |
| Sepia australis | 0.73 | 45 | 0.03 | |
| Rochinia sp. | 0.21 | 23 | 0.01 | |
| Total | 2895.84 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 67
DATE :02/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°25.06
start stop duration Lon E 16°23.03
TIME :04:38:55 05:09:23 30.5 (min) Purpose : 3
LOG : 4255.84 4257.27 1.4 Region : 6100
FDEPTH: 653 650 Gear cond.: 0
BDEPTH: 653 650 Validity : 0
Towing dir: 0° Wire out : 1300 m Speed : 2.8 kn
Sorted : 286 Total catch: 286.02 Catch/hour: 563.39

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Chaceon maritae | 193.04 | 2194 | 34.26 | |
| Merluccius paradoxus | 116.22 | 110 | 20.63 | 639 |
| Merluccius paradoxus | 84.70 | 114 | 15.03 | 640 |
| Neocyttus rhomboidalis | 23.64 | 114 | 4.20 | 641 |
| Coelorinchus braueri | 21.67 | 349 | 3.85 | |
| Coelorinchus matamua | 14.77 | 41 | 2.62 | |
| Nezumia sp. | 13.79 | 116 | 2.45 | |
| Notacanthus sexspinis | 9.85 | 87 | 1.75 | |
| Lophius vomerinus | 9.06 | 4 | 1.61 | 645 |
| Lepidion capensis | 7.88 | 43 | 1.40 | 642 |
| Histioteuthis miranda | 7.49 | 4 | 1.33 | |
| Sergia sp. | 6.99 | 0 | 1.24 | |
| Raja leopardus | 6.89 | 6 | 1.22 | |
| Hoplostethus atlanticus | 6.50 | 14 | 1.15 | 644 |
| Trachyscorpia eschmeyeri | 5.36 | 16 | 0.95 | |
| Etmopterus lucifer | 5.32 | 43 | 0.94 | |
| Sea cucumber | 4.73 | 20 | 0.84 | |
| Etmopterus brachyurus | 4.73 | 20 | 0.84 | |
| Brama brama | 3.66 | 16 | 0.65 | 643 |
| Bristle worms (straws) | 2.95 | 721 | 0.52 | |
| Bathypolypus valdiviae | 2.09 | 22 | 0.37 | |
| Teuthowenia sp. | 1.60 | 2 | 0.28 | |
| Synaphobranchus kaupii | 1.38 | 6 | 0.24 | |
| Photichthys argenteus | 1.30 | 24 | 0.23 | |
| Selachophidium guentheri | 1.18 | 14 | 0.21 | |
| Whelks | 0.86 | 16 | 0.15 | |
| Todarodes angolensis | 0.69 | 2 | 0.12 | 646 |
| Funchalia woodwardi | 0.69 | 53 | 0.12 | |
| Myxine capensis | 0.65 | 10 | 0.12 | |
| Starfish | 0.58 | 0 | 0.10 | |
| Bassanago albescens | 0.56 | 2 | 0.10 | |
| Lycodes agulhensis | 0.43 | 6 | 0.08 | |
| Lycoteuthis lorigera | 0.43 | 4 | 0.08 | |
| Pseudocyttus maculatus | 0.37 | 2 | 0.07 | |
| CENTROLOPHIDAE | 0.22 | 4 | 0.04 | |
| Cranchia scabra | 0.14 | 2 | 0.02 | |
| Raja leopardus, juvenile | 0.13 | 6 | 0.02 | |
| Myctophum sp. | 0.12 | 8 | 0.02 | |
| Anemones, white | 0.12 | 2 | 0.02 | |
| Avocettina acuticeps | 0.11 | 2 | 0.02 | |
| Coelorinchus simorhynchus | 0.10 | 2 | 0.02 | |
| Chauliodus sloani | 0.09 | 4 | 0.02 | |
| Neoscopelus macrolepidotus | 0.09 | 2 | 0.02 | |
| Myxine capensis | 0.09 | 2 | 0.02 | 0 |
| Diaphus effulgens | 0.06 | 2 | 0.01 | |
| PARALEPIDIDAE | 0.03 | 2 | 0.01 | |
| G A S T R O P O D S | 0.03 | 4 | 0.01 | |
| Bathophilus sp. | 0.02 | 2 | 0.00 | |
| Total | 563.39 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 68
DATE :02/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°23.16
start stop duration Lon E 16°24.75
TIME :06:37:44 07:07:40 29.9 (min) Purpose : 3
LOG : 4262.42 4263.86 1.4 Region : 6100
FDEPTH: 538 535 Gear cond.: 0
BDEPTH: 538 535 Validity : 0
Towing dir: 0° Wire out : 1000 m Speed : 2.9 kn
Sorted : 181 Total catch: 181.24 Catch/hour: 363.21

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 130.26 | 176 | 35.86 | 648 |
| Merluccius paradoxus | 130.26 | 134 | 35.86 | 649 |
| Lophius vomerinus | 30.06 | 6 | 8.28 | 647 |
| Chaceon maritae | 21.04 | 263 | 5.79 | |
| Coelorinchus braueri | 9.62 | 321 | 2.65 | |
| Bathyraja smithii | 7.41 | 2 | 2.04 | |
| Helicolenus dactylopterus | 7.01 | 32 | 1.93 | 650 |
| Bathypolypus valdiviae | 6.01 | 70 | 1.66 | |
| Etmopterus brachyurus | 3.61 | 26 | 0.99 | |
| Starfish - fleshy | 2.40 | 2 | 0.66 | |
| Starfish | 2.00 | 0 | 0.55 | |
| Raja leopardus | 2.00 | 2 | 0.55 | |
| Coelorinchus matamua | 1.80 | 10 | 0.50 | |
| Funchalia woodwardi | 1.76 | 160 | 0.49 | |
| Bristle worms (straws) | 1.28 | 0 | 0.35 | |
| Beryx splendens | 1.20 | 8 | 0.33 | 651 |
| Trachyscorpia eschmeyeri | 0.70 | 2 | 0.19 | |
| J E L L Y F I S H | 0.60 | 0 | 0.17 | |
| Raja leopardus | 0.60 | 4 | 0.17 | 0 |
| Neocyttus rhomboidalis | 0.60 | 4 | 0.17 | |
| Malacocephalus laevis | 0.60 | 2 | 0.17 | |
| Photichthys argenteus | 0.37 | 8 | 0.10 | |
| Brama brama | 0.30 | 2 | 0.08 | 652 |
| Selachophidium guentheri | 0.30 | 2 | 0.08 | |
| Sergia sp. | 0.28 | 0 | 0.08 | |
| Myxine capensis | 0.20 | 4 | 0.06 | |
| Whelks | 0.20 | 4 | 0.06 | |
| CENTROLOPHIDAE | 0.20 | 4 | 0.06 | |
| Anemones, white | 0.12 | 2 | 0.03 | |
| Sea cucumber | 0.11 | 2 | 0.03 | |
| Bathophilus sp. | 0.09 | 2 | 0.02 | |
| Gymnoscopelus sp. | 0.06 | 6 | 0.02 | |
| Histioteuthis sp., juvenile | 0.03 | 2 | 0.01 | |
| Chauliodus sloani | 0.03 | 2 | 0.01 | |
| Howella sherborni | 0.02 | 2 | 0.01 | |
| Spirula spirula | 0.01 | 2 | 0.00 | |
| Argyropelecus aculeatus | 0.01 | 2 | 0.00 | |
| Nezumia sp. | 0.01 | 2 | 0.00 | |
| Total | 363.21 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 69
DATE :02/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°21.07
start stop duration Lon E 16°29.02
TIME :08:18:39 08:48:52 30.2 (min) Purpose : 3
LOG : 4269.92 4271.39 1.5 Region : 6100
FDEPTH: 446 443 Gear cond.: 0
BDEPTH: 446 443 Validity : 0
Towing dir: 0° Wire out : 900 m Speed : 2.9 kn
Sorted : 274 Total catch: 274.36 Catch/hour: 544.91

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 156.90 | 177 | 28.79 | 656 |
| Merluccius paradoxus | 89.37 | 141 | 16.40 | 657 |
| Lophius vomerinus | 57.60 | 32 | 10.57 | 654 |
| Bassanago albescens | 57.60 | 135 | 10.57 | |
| Helicolenus dactylopterus | 43.69 | 270 | 8.02 | 653 |
| Genypterus capensis | 41.71 | 24 | 7.65 | 655 |
| Coelorinchus simorhynchus | 41.71 | 947 | 7.65 | |
| Starfish | 28.60 | 7150 | 5.25 | |
| Whelks | 3.97 | 99 | 0.73 | |
| Notacanthus sexspinis | 3.57 | 30 | 0.66 | |
| Anemones, pink | 2.78 | 6 | 0.51 | |
| Todarodes angolensis | 2.40 | 6 | 0.44 | 658 |
| Brama brama | 2.32 | 10 | 0.43 | 661 |
| Parapagurus pilosimanus | 1.73 | 87 | 0.32 | |
| Etmopterus brachyurus | 1.59 | 8 | 0.29 | |
| Plesionika martia | 1.45 | 284 | 0.27 | |
| Malacocephalus laevis | 1.39 | 2 | 0.26 | |
| Lucigadus ori | 0.79 | 56 | 0.15 | |
| Bathypolypus valdiviae | 0.67 | 14 | 0.12 | |
| Coelorinchus braueri | 0.62 | 54 | 0.11 | |
| Anemones, white | 0.60 | 2 | 0.11 | |
| Hydrolagus sp. | 0.51 | 2 | 0.09 | |
| Chaceon maritae | 0.42 | 10 | 0.08 | |
| Todaropsis eblanae | 0.36 | 2 | 0.07 | 660 |
| Todarodes angolensis | 0.36 | 4 | 0.07 | 659 |
| Raja confundens | 0.34 | 2 | 0.06 | |
| Bassanago albescens | 0.28 | 4 | 0.05 | 0 |
| Munidopsis sp. | 0.26 | 40 | 0.05 | |
| Psychrolutes macrocephalus | 0.19 | 2 | 0.03 | |
| Raja leopardus | 0.16 | 2 | 0.03 | |
| Shark eggs | 0.13 | 12 | 0.02 | |
| Stereomastis sp. | 0.12 | 22 | 0.02 | |
| Myxine capensis | 0.11 | 2 | 0.02 | |
| Cranchia scabra | 0.10 | 2 | 0.02 | |
| Paracallionymus costatus | 0.09 | 16 | 0.02 | |
| Raja leopardus, juvenile | 0.08 | 2 | 0.02 | |
| Plagiogeneion rubignosus | 0.07 | 4 | 0.01 | |
| Photichthys argenteus | 0.05 | 4 | 0.01 | |
| Lycoteuthis lorigera | 0.04 | 4 | 0.01 | |
| Brown sand dollar | 0.04 | 4 | 0.01 | |
| Chauliodus sloani | 0.04 | 2 | 0.01 | |
| Rossia sp. | 0.03 | 2 | 0.01 | |
| PARALEPIDIDAE | 0.02 | 2 | 0.00 | |
| Onychoteuthis sp. | 0.02 | 2 | 0.00 | |
| Amalda obtusa | 0.01 | 2 | 0.00 | |
| Mursia cristimanus | 0.01 | 2 | 0.00 | |
| Total | 544.91 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 70
DATE :02/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°16.40
start stop duration Lon E 16°33.12
TIME :09:59:39 10:29:44 30.1 (min) Purpose : 3
LOG : 4278.23 4279.65 1.4 Region : 6100
FDEPTH: 380 375 Gear cond.: 0
BDEPTH: 380 375 Validity : 0
Towing dir: 0° Wire out : 900 m Speed : 2.8 kn
Sorted : 226 Total catch: 339.65 Catch/hour: 677.26

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 139.58 | 234 | 20.61 | 666 |
| Coelorinchus simorhynchus | 119.64 | 1196 | 17.67 | |
| Merluccius paradoxus | 119.64 | 285 | 17.67 | 667 |
| Merluccius paradoxus | 55.83 | 30 | 8.24 | 665 |
| Parapagurus dimorphus | 53.84 | 13460 | 7.95 | |
| Helicolenus dactylopterus | 41.87 | 209 | 6.18 | 664 |
| Starfish | 35.89 | 0 | 5.30 | |
| Anemones, pink | 27.88 | 287 | 4.12 | |
| Genypterus capensis | 21.93 | 16 | 3.24 | 662 |
| Malacocephalus laevis | 11.17 | 8 | 1.65 | |
| Notacanthus sexspinis | 10.17 | 12 | 1.50 | |
| Merluccius capensis | 7.98 | 2 | 1.18 | 668 |
| Bassanago albescens | 6.34 | 12 | 0.94 | |
| J E L L Y F I S H | 5.26 | 0 | 0.78 | |
| Anemones, white | 5.26 | 48 | 0.78 | |
| Raja confundens | 3.99 | 4 | 0.59 | |
| Hermits, mixed* | 3.59 | 144 | 0.53 | |
| Brama brama | 1.99 | 10 | 0.29 | 663 |
| Holohalaelurus regani | 1.20 | 2 | 0.18 | |
| Lycoteuthis lorigera | 0.62 | 24 | 0.09 | |
| Whelks | 0.60 | 24 | 0.09 | |
| Parapagurus pilosimanus | 0.60 | 36 | 0.09 | |
| Mursia cristimanus | 0.37 | 36 | 0.05 | |
| Haliporoides triarthrus | 0.35 | 48 | 0.05 | |
| Photichthys argenteus | 0.26 | 12 | 0.04 | |
| Lucigadus ori | 0.25 | 36 | 0.04 | |
| Rochinia sp. | 0.22 | 12 | 0.03 | |
| Plagiogeneion rubignosus | 0.19 | 12 | 0.03 | |
| Symbolophorus boops | 0.18 | 12 | 0.03 | |
| Plesionika martia | 0.13 | 36 | 0.02 | |
| G A S T R O P O D S | 0.12 | 36 | 0.02 | |
| Paracallionymus costatus | 0.12 | 24 | 0.02 | |
| PARALEPIDIDAE | 0.07 | 12 | 0.01 | |
| Merluccius paradoxus | 0.05 | 12 | 0.01 | 669 |
| Stoloteuthis sp. | 0.04 | 12 | 0.01 | |
| Sepia sp. New SA | 0.04 | 12 | 0.01 | |
| Total | 677.26 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 71
DATE :02/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°13.56
start stop duration Lon E 16°46.06
TIME :12:16:47 12:46:52 30.1 (min) Purpose : 3
LOG : 4291.65 4293.07 1.4 Region : 6100
FDEPTH: 320 319 Gear cond.: 0
BDEPTH: 320 319 Validity : 0
Towing dir: 0° Wire out : 780 m Speed : 2.8 kn
Sorted : 233 Total catch: 1891.19 Catch/hour: 3771.06

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 2440.68 | 15653 | 64.72 | 678 |
| Parapagurus dimorphus | 382.85 | 2552 | 10.15 | |
| Zeus capensis | 308.87 | 588 | 8.19 | 679 |
| Coelorinchus simorhynchus | 226.52 | 3236 | 6.01 | |
| Merluccius paradoxus | 133.60 | 92 | 3.54 | 674 |
| Starfish | 64.81 | 0 | 1.72 | |
| Anemones, pink | 47.06 | 118 | 1.25 | |
| Malacocephalus laevis | 35.29 | 59 | 0.94 | |
| Merluccius capensis | 33.90 | 20 | 0.90 | 677 |
| Anemones, white | 14.96 | 30 | 0.40 | |
| Brama brama | 13.96 | 8 | 0.37 | 670 |
| Todaropsis eblanae | 11.76 | 88 | 0.31 | 680 |
| Merluccius capensis | 11.17 | 8 | 0.30 | 676 |
| Squalus mitsukurii | 7.98 | 4 | 0.21 | |
| Genypterus capensis | 6.58 | 8 | 0.17 | 673 |
| Lophius vomerinus | 4.99 | 4 | 0.13 | 672 |
| Raja leopardus | 4.59 | 2 | 0.12 | |
| Todarodes angolensis | 3.73 | 29 | 0.10 | 682 |
| CYPRAEIDAE (Bulia) | 3.68 | 118 | 0.10 | |
| Thyrsites atun | 3.59 | 2 | 0.10 | 671 |
| Helicolenus dactylopterus | 3.41 | 29 | 0.09 | 681 |
| Lepidopus caudatus | 1.99 | 2 | 0.05 | |
| Merluccius paradoxus | 1.60 | 2 | 0.04 | 675 |
| Mursia cristimanus | 1.38 | 118 | 0.04 | |
| Rossia enigmatica | 1.16 | 30 | 0.03 | |
| Lepidopus caudatus, juvenile | 0.79 | 29 | 0.02 | |
| Paracallionymus costatus | 0.09 | 30 | 0.00 | |
| Merluccius paradoxus | 0.09 | 29 | 0.00 | 683 |
| Total | 3771.06 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 72
DATE :02/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°6.12
start stop duration Lon E 16°58.85
TIME :14:34:35 15:04:50 30.2 (min) Purpose : 3
LOG : 4306.88 4308.35 1.5 Region : 6100
FDEPTH: 270 268 Gear cond.: 0
BDEPTH: 270 268 Validity : 0
Towing dir: 0° Wire out : 650 m Speed : 2.9 kn
Sorted : 263 Total catch: 1116.13 Catch/hour: 2214.54

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1492.06 | 18681 | 67.38 | 690 |
| Coelorinchus simorhynchus | 127.58 | 3190 | 5.76 | |
| Lophius vomerinus | 107.14 | 93 | 4.84 | 685 |
| Zeus capensis | 70.73 | 108 | 3.19 | 693 |
| Merluccius capensis | 51.59 | 26 | 2.33 | 689 |
| Lampanyctodes hectoris | 38.49 | 9623 | 1.74 | |
| Genypterus capensis | 37.70 | 56 | 1.70 | 684 |
| Holohalaelurus regani | 35.71 | 107 | 1.61 | |
| Parapagurus dimorphus | 31.75 | 1984 | 1.43 | |
| Merluccius paradoxus | 28.77 | 24 | 1.30 | 686 |
| Starfish | 27.78 | 0 | 1.25 | |
| Malacocephalus laevis | 24.60 | 123 | 1.11 | |
| Brown sand dollar | 23.02 | 768 | 1.04 | |
| Helicolenus dactylopterus | 19.22 | 354 | 0.87 | 691 |
| Merluccius capensis | 16.87 | 18 | 0.76 | 688 |
| J E L L Y F I S H | 15.87 | 0 | 0.72 | |
| Trachurus capensis | 15.38 | 46 | 0.69 | 694 |
| Raja pullopunctata | 13.89 | 4 | 0.63 | |
| Paracallionymus costatus | 6.77 | 867 | 0.31 | |
| Callorhinchus capensis | 6.55 | 2 | 0.30 | |
| Raja leopardus | 5.95 | 2 | 0.27 | |
| Black sand dollar | 5.40 | 32 | 0.24 | |
| Chelidonichthys queketti | 2.62 | 15 | 0.12 | 692 |
| Merluccius paradoxus | 1.98 | 2 | 0.09 | 687 |
| Whelks | 1.83 | 32 | 0.08 | |
| Anemones, red | 1.59 | 16 | 0.07 | |
| Mursia cristimanus | 0.99 | 77 | 0.04 | |
| Merluccius paradoxus | 0.66 | 92 | 0.03 | 695 |
| Sepia hieronis | 0.57 | 16 | 0.03 | |
| Sepia australis | 0.42 | 16 | 0.02 | |
| Pterygosquilla armata capensis | 0.40 | 32 | 0.02 | |
| CYPRAEIDAE (Bulia) | 0.32 | 16 | 0.01 | |
| Rochinia sp. | 0.28 | 32 | 0.01 | |
| Amalda obtusa | 0.08 | 16 | 0.00 | |
| Total | 2214.54 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 73
DATE :02/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 32°0.40
start stop duration Lon E 17°11.77
TIME :16:55:33 17:25:33 30.0 (min) Purpose : 3
LOG : 4322.98 4324.46 1.5 Region : 6100
FDEPTH: 203 207 Gear cond.: 0
BDEPTH: 203 207 Validity : 0
Towing dir: 0° Wire out : 510 m Speed : 2.9 kn
Sorted : 165 Total catch: 1286.40 Catch/hour: 2572.80

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1680.00 | 24684 | 65.30 | 701 |
| Lampanyctodes hectoris | 186.00 | 54706 | 7.23 | |
| Sepia australis | 156.40 | 8062 | 6.08 | |
| Paracallionymus costatus | 77.24 | 6436 | 3.00 | |
| J E L L Y F I S H | 74.60 | 0 | 2.90 | |
| Coelorinchus simorhynchus | 49.90 | 1664 | 1.94 | |
| Lophius vomerinus | 46.66 | 280 | 1.81 | 703 |
| Merluccius capensis | 42.00 | 93 | 1.63 | 702 |
| Etrumeus whiteheadi | 37.40 | 724 | 1.45 | |
| Raja straeleni | 34.00 | 18 | 1.32 | |
| Lophius vomerinus | 34.00 | 38 | 1.32 | 699 |
| Helicolenus dactylopterus | 21.46 | 817 | 0.83 | 707 |
| Merluccius capensis | 18.60 | 16 | 0.72 | 700 |
| Brown sand dollar | 18.20 | 466 | 0.71 | |
| Callorhinchus capensis | 18.00 | 6 | 0.70 | |
| Holohalaelurus regani | 16.34 | 140 | 0.64 | |
| Cynoglossus zanzibarensis | 11.90 | 187 | 0.46 | 708 |
| Todaropsis eblanae | 10.27 | 187 | 0.40 | 706 |
| Starfish | 9.40 | 0 | 0.37 | |
| Genypterus capensis | 6.20 | 28 | 0.24 | 697 |
| Whelks | 3.96 | 70 | 0.15 | |
| Zeus capensis | 3.73 | 23 | 0.14 | 705 |
| Raja wallacei | 3.40 | 2 | 0.13 | |
| Pterygosquilla armata capensis | 3.04 | 210 | 0.12 | |
| Merluccius paradoxus | 3.00 | 4 | 0.12 | 698 |
| Merluccius paradoxus | 2.80 | 280 | 0.11 | 704 |
| Chelidonichthys capensis | 2.00 | 4 | 0.08 | 696 |
| CYPRAEIDAE (Bulia) | 1.64 | 0 | 0.06 | |
| Mursia cristimanus | 0.36 | 24 | 0.01 | |
| Physiculus capensis | 0.16 | 24 | 0.01 | |
| Raya alba egg | 0.13 | 2 | 0.01 | |
| Total | 2572.79 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 74
DATE :03/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 31°30.65
start stop duration Lon E 17°25.65
TIME :04:28:18 04:58:26 30.1 (min) Purpose : 3
LOG : 4372.23 4373.68 1.5 Region : 6100
FDEPTH: 165 174 Gear cond.: 0
BDEPTH: 165 174 Validity : 0
Towing dir: 0° Wire out : 430 m Speed : 2.9 kn
Sorted : 462 Total catch: 999.98 Catch/hour: 1990.68

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| PORIFERA (Sponges) | 764.43 | 0 | 38.40 | |
| Brown sand dollar | 517.58 | 0 | 26.00 | |
| Merluccius paradoxus | 232.91 | 5956 | 11.70 | 711 |
| Sepia australis | 110.48 | 3683 | 5.55 | |
| Pterygosquilla armata capensis | 89.58 | 8958 | 4.50 | |
| Starfish | 56.93 | 13240 | 2.86 | |
| Merluccius capensis | 38.02 | 138 | 1.91 | 712 |
| Merluccius paradoxus | 33.44 | 2599 | 1.68 | 715 |
| CYPRAEIDAE (Bulia) | 31.85 | 914 | 1.60 | |
| Paracallionymus costatus | 26.87 | 4634 | 1.35 | |
| J E L L Y F I S H | 17.32 | 0 | 0.87 | |
| Whelks | 13.28 | 173 | 0.67 | |
| Todaropsis eblanae | 8.56 | 223 | 0.43 | 713 |
| Helicolenus dactylopterus | 7.25 | 414 | 0.36 | 714 |
| Callorhinchus capensis | 7.17 | 6 | 0.36 | |
| Coelorinchus simorhynchus | 6.91 | 500 | 0.35 | |
| Exodromidia sp. | 6.73 | 414 | 0.34 | |
| Chelidonichthys capensis | 3.98 | 8 | 0.20 | 717 |
| Cynoglossus zanzibarensis | 3.98 | 69 | 0.20 | 718 |
| Raja straeleni | 3.19 | 2 | 0.16 | |
| Sepia hieronis | 2.23 | 70 | 0.11 | |
| Lampanyctodes hectoris | 1.79 | 0 | 0.09 | |
| Mursia cristimanus | 1.24 | 52 | 0.06 | |
| Lepidopus caudatus | 1.07 | 34 | 0.05 | |
| Trachurus capensis | 0.96 | 17 | 0.05 | 716 |
| Parapagurus dimorphus | 0.81 | 52 | 0.04 | |
| Shrimps, small, non comm. | 0.70 | 70 | 0.04 | |
| Macropipus australis | 0.48 | 34 | 0.02 | |
| Genypterus capensis | 0.46 | 6 | 0.02 | 709 |
| Loligo reynaudi | 0.32 | 2 | 0.02 | 710 |
| Amalda obtusa | 0.14 | 18 | 0.01 | |
| Total | 1990.68 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 75
DATE :03/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 31°32.27
start stop duration Lon E 17°13.32
TIME :06:51:47 07:22:06 30.3 (min) Purpose : 3
LOG : 4386.50 4388.08 1.6 Region : 6100
FDEPTH: 235 225 Gear cond.: 0
BDEPTH: 235 225 Validity : 0
Towing dir: 0° Wire out : 550 m Speed : 3.1 kn
Sorted : 173 Total catch: 1515.68 Catch/hour: 2999.37

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1915.57 | 27392 | 63.87 | 724 |
| Parapagurus dimorphus | 201.85 | 13456 | 6.73 | |
| Lampanyctodes hectoris | 158.11 | 4391 | 5.27 | |
| Coelorinchus simorhynchus | 131.40 | 4106 | 4.38 | |
| Lophius vomerinus | 117.94 | 223 | 3.93 | 728 |
| Paracallionymus costatus | 77.97 | 5491 | 2.60 | |
| Brown sand dollar | 66.79 | 1714 | 2.23 | |
| Malacocephalus laevis | 44.53 | 45 | 1.48 | |
| Black sand dollar | 38.51 | 378 | 1.28 | |
| Holohalaelurus regani | 37.80 | 200 | 1.26 | |
| Merluccius capensis | 37.60 | 30 | 1.25 | 722 |
| Starfish | 28.89 | 0 | 0.96 | |
| Merluccius capensis | 27.70 | 26 | 0.92 | 721 |
| Cynoglossus zanzibarensis | 26.27 | 356 | 0.88 | 725 |
| Raja straeleni | 15.83 | 6 | 0.53 | |
| Merluccius capensis | 15.58 | 45 | 0.52 | 727 |
| Helicolenus dactylopterus | 8.91 | 401 | 0.30 | 726 |
| J E L L Y F I S H | 8.91 | 0 | 0.30 | |
| Todaropsis eblanae | 7.12 | 156 | 0.24 | 729 |
| Chelidonichthys capensis | 6.23 | 22 | 0.21 | 730 |
| CYPRAEIDAE (Bulia) | 5.39 | 178 | 0.18 | |
| Thyrsites atun | 3.96 | 2 | 0.13 | 720 |
| Sepia australis | 3.87 | 178 | 0.13 | |
| Mursia cristimanus | 3.16 | 224 | 0.11 | |
| Exodromidia sp. | 2.90 | 111 | 0.10 | |
| Genypterus capensis | 2.18 | 14 | 0.07 | 723 |
| Todarodes angolensis | 1.42 | 22 | 0.05 | 732 |
| Sepia hieronis | 1.29 | 45 | 0.04 | |
| Etrumeus whiteheadi | 1.27 | 22 | 0.04 | |
| Merluccius paradoxus | 0.42 | 45 | 0.01 | 731 |
| Total | 2999.37 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 76
DATE :03/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 31°53.18
start stop duration Lon E 17°24.48
TIME :09:48:51 10:19:02 30.2 (min) Purpose : 3
LOG : 4409.77 4411.29 1.5 Region : 6100
FDEPTH: 152 154 Gear cond.: 0
BDEPTH: 152 154 Validity : 0
Towing dir: 0° Wire out : 350 m Speed : 3.0 kn
Sorted : 208 Total catch: 446.31 Catch/hour: 887.29

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Etrumeus whiteheadi | 119.88 | 1998 | 13.51 | |
| Merluccius paradoxus | 116.30 | 7036 | 13.11 | 737 |
| Merluccius paradoxus | 111.83 | 2525 | 12.60 | 736 |
| Raja alba | 99.40 | 2 | 11.20 | |
| Merluccius capensis | 87.48 | 256 | 9.86 | 734 |
| Paracallionymus costatus | 71.57 | 6014 | 8.07 | |
| Sepia australis | 71.57 | 6278 | 8.07 | |
| Chelidonichthys capensis | 65.61 | 179 | 7.39 | 733 |
| Lophius vomerinus | 22.37 | 81 | 2.52 | 738 |
| Todaropsis eblanae | 19.15 | 385 | 2.16 | 743 |
| Merluccius capensis | 16.10 | 72 | 1.81 | 741 |
| J E L L Y F I S H | 16.10 | 0 | 1.81 | |
| Starfish | 11.63 | 0 | 1.31 | |
| Thyrsites atun | 9.94 | 4 | 1.12 | 735 |
| Raja straeleni | 6.96 | 4 | 0.78 | |
| Callorhinchus capensis | 6.56 | 4 | 0.74 | |
| Helicolenus dactylopterus | 5.37 | 340 | 0.60 | 739 |
| CYPRAEIDAE (Bulia) | 4.83 | 135 | 0.54 | |
| Pterygosquilla armata capensis | 4.12 | 278 | 0.46 | |
| Exodromidia sp. | 3.39 | 153 | 0.38 | |
| Genypterus capensis | 2.95 | 27 | 0.33 | 742 |
| Turitella | 2.88 | 6278 | 0.32 | |
| Holohalaelurus regani | 2.58 | 26 | 0.29 | |
| Whelks | 2.15 | 27 | 0.24 | |
| Cynoglossus zanzibarensis | 1.97 | 36 | 0.22 | 740 |
| Brown sand dollar | 1.21 | 36 | 0.14 | |
| Loligo reynaudi | 1.20 | 9 | 0.14 | 745 |
| Amalda obtusa | 0.65 | 82 | 0.07 | |
| Sepia hieronis | 0.49 | 18 | 0.06 | |
| Mursia cristimanus | 0.41 | 18 | 0.05 | |
| Nudibranchs | 0.22 | 9 | 0.03 | |
| Zeus capensis | 0.16 | 9 | 0.02 | 744 |
| Goneplax angulata | 0.11 | 9 | 0.01 | |
| Physiculus capensis | 0.07 | 9 | 0.01 | |
| Coelorinchus simorhynchus | 0.06 | 9 | 0.01 | |
| Total | 887.28 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 77
DATE :03/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 31°47.93
start stop duration Lon E 17°38.25
TIME :12:15:18 12:45:20 30.0 (min) Purpose : 3
LOG : 4426.45 4427.81 1.4 Region : 6100
FDEPTH: 138 137 Gear cond.: 0
BDEPTH: 138 137 Validity : 0
Towing dir: 0° Wire out : 350 m Speed : 2.7 kn
Sorted : 151 Total catch: 1395.10 Catch/hour: 2788.35

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| PORIFERA (Sponges) | 1716.86 | 0 | 61.57 | |
| Brown sand dollar | 429.71 | 14324 | 15.41 | |
| Pterygosquilla armata capensis | 129.91 | 8660 | 4.66 | |
| Turitella | 87.74 | 9642 | 3.15 | |
| Merluccius paradoxus | 69.02 | 2686 | 2.48 | 749 |
| Chelidonichthys capensis | 65.29 | 224 | 2.34 | 747 |
| Merluccius capensis | 55.96 | 205 | 2.01 | 748 |
| J E L L Y F I S H | 39.17 | 0 | 1.40 | |
| Starfish | 37.97 | 0 | 1.36 | |
| Exodromidia sp. | 37.97 | 1899 | 1.36 | |
| Sepia australis | 32.58 | 931 | 1.17 | |
| Lophius vomerinus | 22.39 | 112 | 0.80 | 750 |
| CYPRAEIDAE (Bulia) | 16.41 | 672 | 0.59 | |
| Paracallionymus costatus | 14.39 | 2181 | 0.52 | |
| Callorhinchus capensis | 12.49 | 19 | 0.45 | |
| Todaropsis eblanae | 9.33 | 336 | 0.33 | 751 |
| Genypterus capensis | 3.36 | 19 | 0.12 | 752 |
| Brama brama | 3.20 | 2 | 0.11 | 746 |
| Whelks | 1.86 | 19 | 0.07 | |
| Sepia hieronis | 1.00 | 18 | 0.04 | |
| Cynoglossus zanzibarensis | 0.82 | 19 | 0.03 | 753 |
| Coelorinchus simorhynchus | 0.45 | 56 | 0.02 | |
| Nudibranchs | 0.24 | 38 | 0.01 | |
| Physiculus capensis | 0.15 | 18 | 0.01 | |
| Sufflogobius bibarbatus | 0.11 | 18 | 0.00 | |
| Total | 2788.39 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 78
DATE :03/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°40.73
start stop duration Lon E 17°4.29
TIME :15:41:19 16:02:07 20.8 (min) Purpose : 3
LOG : 4457.90 4458.85 1.0 Region : 6100
FDEPTH: 254 259 Gear cond.: 0
BDEPTH: 254 259 Validity : 0
Towing dir: 0° Wire out : 540 m Speed : 2.8 kn
Sorted : 144 Total catch: 728.52 Catch/hour: 2102.51

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 1240.98 | 18566 | 59.02 | 761 |
| Lampanyctodes hectoris | 173.16 | 50929 | 8.24 | |
| Coelorinchus simorhynchus | 150.07 | 5001 | 7.14 | |
| Parapagurus dimorphus | 138.53 | 12046 | 6.59 | |
| Lophius vomerinus | 126.98 | 95 | 6.04 | 754 |
| Paracallionymus costatus | 51.95 | 4026 | 2.47 | |
| Merluccius capensis | 41.85 | 29 | 1.99 | 758 |
| Merluccius capensis | 24.53 | 58 | 1.17 | 762 |
| Holohalaelurus regani | 23.67 | 87 | 1.13 | |
| Merluccius paradoxus | 17.32 | 17 | 0.82 | 760 |
| Brown sand dollar | 17.32 | 1010 | 0.82 | |
| Black sand dollar | 14.43 | 115 | 0.69 | |
| Malacocephalus laevis | 14.43 | 87 | 0.69 | |
| Merluccius capensis | 14.43 | 9 | 0.69 | 759 |
| Todaropsis eblanae | 10.68 | 173 | 0.51 | 763 |
| Genypterus capensis | 9.81 | 38 | 0.47 | 755 |
| Brama brama | 9.52 | 9 | 0.45 | 756 |
| Helicolenus dactylopterus | 8.66 | 133 | 0.41 | 757 |
| CYPRAEIDAE (Bulia) | 5.77 | 173 | 0.27 | |
| Pterygosquilla armata capensis | 4.33 | 491 | 0.21 | |
| Helicolenus dactylopterus | 2.02 | 58 | 0.10 | 764 |
| Exodromidia sp. | 1.36 | 58 | 0.06 | |
| Sepia hieronis | 0.46 | 29 | 0.02 | |
| Merluccius paradoxus | 0.26 | 29 | 0.01 | 765 |
| Total | 2102.51 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 79
DATE :03/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°45.39
start stop duration Lon E 16°55.99
TIME :17:27:28 17:47:49 20.4 (min) Purpose : 3
LOG : 4470.05 4471.06 1.0 Region : 6100
FDEPTH: 285 286 Gear cond.: 0
BDEPTH: 285 286 Validity : 0
Towing dir: 0° Wire out : 670 m Speed : 3.0 kn
Sorted : 128 Total catch: 285.51 Catch/hour: 841.80

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus simorhynchus | 210.52 | 4576 | 25.01 | |
| Merluccius paradoxus | 177.49 | 1775 | 21.08 | 770 |
| Merluccius paradoxus | 103.19 | 100 | 12.26 | 773 |
| J E L L Y F I S H | 47.47 | 0 | 5.64 | |
| Lampanyctodes hectoris | 41.28 | 0 | 4.90 | |
| Holohalaelurus regani | 39.80 | 106 | 4.73 | |
| Raja pullopunctata | 33.91 | 9 | 4.03 | |
| Helicolenus dactylopterus | 28.30 | 386 | 3.36 | 768 |
| Merluccius capensis | 24.47 | 15 | 2.91 | 771 |
| Lophius vomerinus | 24.18 | 18 | 2.87 | 766 |
| Genypterus capensis | 24.18 | 59 | 2.87 | 767 |
| Starfish | 18.16 | 0 | 2.16 | |
| Merluccius paradoxus | 10.61 | 15 | 1.26 | 772 |
| Malacocephalus laevis | 10.32 | 62 | 1.23 | |
| Squalus mitsukurii | 10.32 | 6 | 1.23 | |
| Anemones, pink | 8.61 | 21 | 1.02 | |
| Maurolicus muelleri | 6.19 | 0 | 0.74 | |
| Pterygosquilla armata capensis | 4.13 | 826 | 0.49 | |
| Rossia enigmatica | 3.55 | 144 | 0.42 | |
| Trachurus capensis | 2.99 | 21 | 0.36 | 774 |
| Mursia cristimanus | 2.08 | 144 | 0.25 | |
| Paracallionymus costatus | 1.55 | 186 | 0.18 | |
| Chlorophthalmus punctatus | 1.53 | 21 | 0.18 | |
| Chaunax pictus | 1.42 | 24 | 0.17 | |
| Whelks | 1.20 | 21 | 0.14 | |
| Exodromidia sp. | 1.09 | 41 | 0.13 | |
| Brama brama | 1.06 | 3 | 0.13 | 769 |
| CYPRAEIDAE (Bulia) | 0.89 | 41 | 0.11 | |
| Ophichthus bennettai | 0.59 | 3 | 0.07 | |
| Parapagurus dimorphus | 0.54 | 21 | 0.06 | |
| Sepia sp. New SA | 0.19 | 21 | 0.02 | |
| Total | 841.80 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 80
DATE :04/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°56.24
start stop duration Lon E 16°37.91
TIME :04:27:48 04:57:57 30.2 (min) Purpose : 3
LOG : 4555.58 4557.02 1.5 Region : 6100
FDEPTH: 340 339 Gear cond.: 0
BDEPTH: 340 339 Validity : 0
Towing dir: 0° Wire out : 785 m Speed : 2.9 kn
Sorted : 574 Total catch: 574.39 Catch/hour: 1142.69

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Zeus capensis | 517.24 | 1203 | 45.27 | 775 |
| Merluccius paradoxus | 242.71 | 1300 | 21.24 | 776 |
| Coelorinchus simorhynchus | 111.41 | 1060 | 9.75 | |
| Genypterus capensis | 43.77 | 34 | 3.83 | 777 |
| Merluccius paradoxus | 39.79 | 26 | 3.48 | 779 |
| Helicolenus dactylopterus | 33.82 | 320 | 2.96 | 781 |
| Merluccius capensis | 25.86 | 10 | 2.26 | 780 |
| Malacocephalus laevis | 23.87 | 26 | 2.09 | |
| Acanella arbuscula | 21.88 | 0 | 1.92 | |
| PORIFERA (Sponges) | 19.89 | 0 | 1.74 | 0 |
| Epigonus telescopus | 11.94 | 159 | 1.04 | |
| Starfish | 7.96 | 0 | 0.70 | |
| Holohalaelurus regani | 5.57 | 12 | 0.49 | |
| Parapagurus pilosimanus | 5.17 | 273 | 0.45 | |
| PORIFERA (Sponges) | 3.98 | 6 | 0.35 | |
| Scyliorhinus capensis | 3.38 | 4 | 0.30 | |
| Raja leopardus | 2.98 | 2 | 0.26 | |
| Squalus mitsukurii | 2.88 | 2 | 0.25 | |
| Whelks | 2.55 | 66 | 0.22 | |
| Cruriraja parcomaculata | 2.39 | 4 | 0.21 | |
| Rossia enigmatica | 2.29 | 68 | 0.20 | |
| Todaropsis eblanae | 2.27 | 16 | 0.20 | 782 |
| Merluccius paradoxus | 2.19 | 2 | 0.19 | 778 |
| Exodromidia sp. | 1.59 | 82 | 0.14 | |
| Echinus gilchristi ? | 1.39 | 12 | 0.12 | |
| Brama brama | 1.33 | 6 | 0.12 | 784 |
| Mursia cristimanus | 0.95 | 74 | 0.08 | |
| J E L L Y F I S H | 0.46 | 0 | 0.04 | |
| Paracallionymus costatus | 0.34 | 60 | 0.03 | |
| CYPRAEIDAE (Bulia) | 0.18 | 14 | 0.02 | |
| Sepia hieronis | 0.17 | 4 | 0.01 | |
| Rochinia sp. | 0.15 | 2 | 0.01 | |
| Merluccius paradoxus | 0.10 | 16 | 0.01 | 785 |
| Bathynectes piperitus | 0.08 | 4 | 0.01 | |
| Ophichthus bennettai | 0.08 | 2 | 0.01 | |
| Lucigadus ori | 0.03 | 6 | 0.00 | |
| Physiculus capensis | 0.02 | 2 | 0.00 | |
| Amalda obtusa | 0.02 | 4 | 0.00 | |
| Cone gastropod | 0.02 | 2 | 0.00 | |
| Stoloteuthis sp. | 0.01 | 2 | 0.00 | |
| Total | 1142.69 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 81
DATE :04/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 32°0.30
start stop duration Lon E 16°26.58
TIME :06:40:50 07:10:58 30.1 (min) Purpose : 3
LOG : 4569.71 4571.18 1.5 Region : 6100
FDEPTH: 392 398 Gear cond.: 0
BDEPTH: 392 398 Validity : 0
Towing dir: 0° Wire out : 800 m Speed : 2.9 kn
Sorted : 337 Total catch: 336.52 Catch/hour: 670.35

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 207.17 | 917 | 30.91 | 787 |
| Coelorinchus simorhynchus | 167.33 | 2016 | 24.96 | |
| Helicolenus dactylopterus | 117.53 | 511 | 17.53 | 783 |
| Merluccius paradoxus | 43.82 | 28 | 6.54 | 790 |
| Malacocephalus laevis | 29.88 | 42 | 4.46 | |
| Merluccius capensis | 23.90 | 6 | 3.57 | 788 |
| Bassanago albescens | 14.54 | 20 | 2.17 | |
| Zeus capensis | 11.55 | 24 | 1.72 | 791 |
| Genypterus capensis | 9.36 | 12 | 1.40 | 786 |
| Starfish | 7.57 | 0 | 1.13 | |
| Anemones, red | 5.78 | 54 | 0.86 | |
| PORIFERA (Sponges) | 5.38 | 0 | 0.80 | |
| Acanella arbuscula | 3.98 | 0 | 0.59 | |
| Anemones, pink | 2.99 | 14 | 0.45 | |
| Octopus magnificus | 2.49 | 2 | 0.37 | |
| Holohalaelurus regani | 2.19 | 6 | 0.33 | |
| Starfish (large) | 1.69 | 2 | 0.25 | |
| Merluccius paradoxus | 1.69 | 2 | 0.25 | 789 |
| Cruriraja parcomaculata | 1.49 | 2 | 0.22 | |
| Brama brama | 1.47 | 8 | 0.22 | 792 |
| Lepidopus caudatus | 1.39 | 2 | 0.21 | |
| Todaropsis eblanae | 1.22 | 10 | 0.18 | 793 |
| Lucigadus ori | 0.88 | 98 | 0.13 | |
| PORIFERA (Sponges) | 0.80 | 16 | 0.12 | 0 |
| Anemones, white | 0.66 | 2 | 0.10 | |
| Parapagurus pilosimanus | 0.64 | 58 | 0.10 | |
| J E L L Y F I S H | 0.46 | 0 | 0.07 | |
| Epigonus telescopus | 0.41 | 16 | 0.06 | |
| Paracallionymus costatus | 0.40 | 78 | 0.06 | |
| Physiculus capensis | 0.38 | 16 | 0.06 | |
| Rossia enigmatica | 0.33 | 12 | 0.05 | |
| Hoplostethus mediterraneus | 0.24 | 18 | 0.04 | |
| Whelks | 0.15 | 4 | 0.02 | |
| Tripterophycis gilchristi | 0.12 | 6 | 0.02 | |
| Mursia cristimanus | 0.09 | 8 | 0.01 | |
| Argyropelecus aculeatus | 0.08 | 18 | 0.01 | |
| Bathynectes piperitus | 0.07 | 4 | 0.01 | |
| Plagiogeneion rubignosus | 0.04 | 2 | 0.01 | |
| Symbolophorus boops | 0.03 | 2 | 0.00 | |
| Rochinia sp. | 0.03 | 6 | 0.00 | |
| G A S T R O P O D S | 0.02 | 4 | 0.00 | |
| Exodromidia sp. | 0.02 | 2 | 0.00 | |
| Cone gastropod | 0.02 | 2 | 0.00 | |
| Stoloteuthis sp. | 0.01 | 4 | 0.00 | |
| Lampanyctodes hectoris | 0.01 | 2 | 0.00 | |
| Leech | 0.01 | 2 | 0.00 | |
| Sepia sp. New SA | 0.01 | 2 | 0.00 | |
| Total | 670.35 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 82
DATE :04/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 32°2.13
start stop duration Lon E 16°17.29
TIME :08:44:52 09:15:38 30.8 (min) Purpose : 3
LOG : 4581.56 4583.06 1.5 Region : 6100
FDEPTH: 464 460 Gear cond.: 0
BDEPTH: 464 460 Validity : 0
Towing dir: 0° Wire out : 920 m Speed : 2.9 kn
Sorted : 622 Total catch: 622.21 Catch/hour: 1213.27

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 729.28 | 1215 | 60.11 | 801 |
| Merluccius paradoxus | 349.04 | 994 | 28.77 | 800 |
| Merluccius paradoxus | 33.15 | 14 | 2.73 | 799 |
| Lophius vomerinus | 29.25 | 16 | 2.41 | 795 |
| Helicolenus dactylopterus | 21.45 | 72 | 1.77 | 794 |
| Genypterus capensis | 21.45 | 12 | 1.77 | 796 |
| Coelorinchus simorhynchus | 11.70 | 138 | 0.96 | |
| Malacocephalus laevis | 3.47 | 14 | 0.29 | |
| Bassanago albescens | 3.47 | 10 | 0.29 | |
| Notacanthus sexspinis | 2.92 | 21 | 0.24 | |
| Todarodes angolensis | 2.24 | 4 | 0.18 | 797 |
| Brama brama | 1.35 | 6 | 0.11 | 798 |
| Chaceon maritae | 1.07 | 10 | 0.09 | |
| Starfish | 0.80 | 0 | 0.07 | |
| Octopus magnificus | 0.79 | 2 | 0.07 | |
| Lucigadus ori | 0.37 | 23 | 0.03 | |
| Psychrolutes macrocephalus | 0.33 | 2 | 0.03 | |
| Beryx splendens | 0.23 | 2 | 0.02 | 802 |
| Parapagurus pilosimanus | 0.21 | 10 | 0.02 | |
| Coelorinchus braueri | 0.19 | 16 | 0.02 | |
| Lycoteuthis lorigera | 0.18 | 4 | 0.01 | |
| Persparsia kopua | 0.09 | 2 | 0.01 | |
| Munidopsis sp. | 0.06 | 8 | 0.01 | |
| Rochinia sp. | 0.05 | 6 | 0.00 | |
| Plagiogeneion rubignosus | 0.04 | 2 | 0.00 | |
| Paracallionymus costatus | 0.03 | 4 | 0.00 | |
| Astronesthes niger | 0.02 | 2 | 0.00 | |
| Plesionika martia | 0.01 | 2 | 0.00 | |
| Bathynectes piperitus, juvenile | 0.01 | 2 | 0.00 | |
| Total | 1213.27 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 83
DATE :04/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 32°3.95
start stop duration Lon E 16°13.76
TIME :10:48:31 11:19:12 30.7 (min) Purpose : 3
LOG : 4591.70 4593.02 1.3 Region : 6100
FDEPTH: 554 555 Gear cond.: 0
BDEPTH: 554 555 Validity : 0
Towing dir: 0° Wire out : 1320 m Speed : 2.6 kn
Sorted : 369 Total catch: 369.44 Catch/hour: 722.26

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 304.99 | 414 | 42.23 | 806 |
| Merluccius paradoxus | 142.72 | 274 | 19.76 | 805 |
| Bathyraja smithii | 44.97 | 8 | 6.23 | |
| Notacanthus sexspinis | 39.10 | 585 | 5.41 | |
| Coelorinchus braueri | 33.24 | 811 | 4.60 | |
| Raja leopardus | 31.28 | 49 | 4.33 | |
| Genypterus capensis | 23.46 | 6 | 3.25 | 804 |
| Malacocephalus laevis | 16.42 | 57 | 2.27 | |
| Chaceon maritae | 14.47 | 219 | 2.00 | |
| Lophius vomerinus | 11.73 | 10 | 1.62 | 803 |
| Hydrolagus sp. | 10.75 | 22 | 1.49 | |
| Helicolenus dactylopterus | 8.80 | 57 | 1.22 | 810 |
| Etmopterus brachyurus | 7.92 | 61 | 1.10 | |
| Selachophidium guentheri | 7.82 | 94 | 1.08 | |
| Bristle worms (straws) | 6.06 | 0 | 0.84 | |
| Starfish | 3.32 | 0 | 0.46 | |
| Todarodes angolensis | 2.13 | 2 | 0.30 | 808 |
| Plesionika martia | 1.86 | 929 | 0.26 | |
| Psychrolutes macrocephalus | 1.68 | 8 | 0.23 | |
| Anemones, pink | 1.47 | 6 | 0.20 | |
| Todarodes angolensis | 1.09 | 2 | 0.15 | 807 |
| Whelks | 1.08 | 20 | 0.15 | |
| Photichthys argenteus | 1.04 | 33 | 0.14 | |
| Anemones, white | 0.64 | 6 | 0.09 | |
| Bassanago albescens | 0.53 | 2 | 0.07 | |
| Myxine capensis | 0.47 | 4 | 0.06 | |
| Lycoteuthis lorigera | 0.39 | 18 | 0.05 | |
| TRICHIURIDAE | 0.39 | 2 | 0.05 | |
| Brama brama | 0.38 | 2 | 0.05 | 809 |
| Ophichthus bennettai | 0.37 | 2 | 0.05 | |
| Nezumia sp. | 0.35 | 16 | 0.05 | |
| Oreosoma atlanticum | 0.23 | 2 | 0.03 | |
| Raja confundens, juvenile | 0.17 | 2 | 0.02 | |
| CENTROLOPHIDAE | 0.13 | 2 | 0.02 | |
| Plesiopenaeus edwardsianus | 0.12 | 4 | 0.02 | |
| Mollusc eggs | 0.10 | 0 | 0.01 | |
| Tripterophycis gilchristi | 0.09 | 4 | 0.01 | |
| Rossia enigmatica | 0.08 | 4 | 0.01 | |
| Acanella arbuscula | 0.07 | 0 | 0.01 | |
| Lucigadus ori | 0.06 | 6 | 0.01 | |
| Lampanyctodes hectoris | 0.06 | 4 | 0.01 | |
| Chiroteuthis joubini | 0.05 | 2 | 0.01 | |
| Munidopsis sp. | 0.05 | 10 | 0.01 | |
| Plagiogeneion rubignosus | 0.04 | 2 | 0.01 | |
| Gymnoscopelus sp. | 0.04 | 6 | 0.01 | |
| Diaphus effulgens | 0.03 | 2 | 0.00 | |
| Paracallionymus costatus | 0.03 | 6 | 0.00 | |
| Bathynectes piperitus, juvenile | 0.01 | 2 | 0.00 | |
| Total | 722.26 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 84
DATE :04/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°58.08
start stop duration Lon E 16°4.61
TIME :13:40:45 14:10:18 29.6 (min) Purpose : 3
LOG : 4605.66 4606.97 1.3 Region : 6100
FDEPTH: 672 673 Gear cond.: 0
BDEPTH: 672 673 Validity : 0
Towing dir: 0° Wire out : 1320 m Speed : 2.7 kn
Sorted : 221 Total catch: 226.96 Catch/hour: 460.67

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 131.94 | 128 | 28.64 | 815 |
| Coelorinchus braueri | 55.82 | 698 | 12.12 | |
| Chaceon maritae | 54.80 | 830 | 11.90 | |
| Centrophorus squamosus | 26.79 | 2 | 5.82 | |
| Raja leopardus | 26.39 | 18 | 5.73 | |
| Merluccius paradoxus | 24.36 | 32 | 5.29 | 816 |
| Coelorinchus matamua | 20.91 | 209 | 4.54 | |
| Histioteuthis miranda | 20.30 | 14 | 4.41 | |
| Selachophidium guentheri | 15.22 | 183 | 3.30 | |
| Nezumia sp. | 15.02 | 376 | 3.26 | |
| Trachyscorpia eschmeyeri | 11.16 | 20 | 2.42 | 812 |
| Hoplostethus atlanticus | 9.13 | 24 | 1.98 | 811 |
| Brama brama | 8.22 | 41 | 1.78 | 817 |
| Bristle worms (straws) | 7.10 | 0 | 1.54 | |
| Notacanthus sexspinis | 5.48 | 73 | 1.19 | |
| Malacocephalus laevis | 4.47 | 20 | 0.97 | |
| Lepidion capensis | 4.06 | 24 | 0.88 | |
| Anemones, pink | 3.59 | 18 | 0.78 | |
| Starfish | 2.94 | 475 | 0.64 | |
| Todarodes angolensis | 2.64 | 2 | 0.57 | 813 |
| Bathypolypus valdiviae | 1.39 | 18 | 0.30 | |
| Todarodes angolensis | 1.22 | 2 | 0.26 | 814 |
| Sergia sp. | 1.04 | 235 | 0.22 | |
| Photichthys argenteus | 1.01 | 24 | 0.22 | |
| Raja confundens, juvenile | 0.99 | 8 | 0.21 | |
| Neocyttus rhomboidalis | 0.61 | 4 | 0.13 | |
| Raja leopardus, juvenile | 0.50 | 14 | 0.11 | |
| Ophichthus bennettai | 0.45 | 4 | 0.10 | |
| Raja confundens | 0.45 | 2 | 0.10 | |
| Funchalia woodwardi | 0.40 | 24 | 0.09 | |
| Etmopterus brachyurus | 0.37 | 28 | 0.08 | |
| Ornithoteuthis antillarum | 0.35 | 2 | 0.08 | |
| Hydrolagus sp. | 0.26 | 4 | 0.06 | |
| Psychrolutes macrocephalus | 0.26 | 8 | 0.06 | |
| Whelks | 0.21 | 4 | 0.05 | |
| ANTHOZOA (Sea anemones) | 0.16 | 2 | 0.03 | |
| J E L L Y F I S H | 0.12 | 0 | 0.03 | |
| Neoscopelus macrolepidotus | 0.12 | 4 | 0.03 | |
| Lycodes agulhensis | 0.10 | 4 | 0.02 | |
| Gymnoscopelus sp. | 0.09 | 12 | 0.02 | |
| Careproctus griseldea | 0.06 | 2 | 0.01 | |
| Kuronezumia leonis | 0.05 | 2 | 0.01 | |
| Rossia sp. | 0.03 | 2 | 0.01 | |
| Symbolophorus boops | 0.03 | 2 | 0.01 | |
| Chauliodus sloani | 0.02 | 2 | 0.00 | |
| Xenodermichthys copei | 0.01 | 2 | 0.00 | |
| Munidopsis sp. | 0.01 | 2 | 0.00 | |
| Gonostoma elongatum | 0.01 | 2 | 0.00 | |
| Argyropelecus aculeatus | 0.00 | 2 | 0.00 | |
| Total | 460.67 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 85
DATE :04/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°50.52
start stop duration Lon E 16°3.52
TIME :15:29:59 16:00:05 30.1 (min) Purpose : 3
LOG : 4614.09 4615.46 1.4 Region : 6100
FDEPTH: 563 565 Gear cond.: 0
BDEPTH: 563 565 Validity : 0
Towing dir: 0° Wire out : 1120 m Speed : 2.7 kn
Sorted : 203 Total catch: 203.37 Catch/hour: 405.52

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 151.55 | 227 | 37.37 | 822 |
| Merluccius paradoxus | 69.79 | 130 | 17.21 | 821 |
| Helicolenus dactylopterus | 41.87 | 243 | 10.33 | 818 |
| Coelorinchus braueri | 29.91 | 415 | 7.38 | |
| ANTHOZOA (Sea anemones) | 18.34 | 6 | 4.52 | |
| Chaceon maritae | 15.95 | 249 | 3.93 | |
| Selachophidium guentheri | 12.96 | 130 | 3.20 | |
| Genypterus capensis | 11.96 | 2 | 2.95 | 819 |
| Lophius vomerinus | 9.97 | 6 | 2.46 | 820 |
| Malacocephalus laevis | 8.97 | 22 | 2.21 | |
| Etmopterus brachyurus | 6.78 | 38 | 1.67 | |
| Brama brama | 4.99 | 22 | 1.23 | 823 |
| Raja leopardus | 3.99 | 8 | 0.98 | |
| Bathypolypus valdiviae | 2.93 | 42 | 0.72 | |
| Bristle worms (straws) | 2.29 | 0 | 0.57 | |
| Notacanthus sexspinis | 1.54 | 24 | 0.38 | |
| Todarodes angolensis | 1.40 | 2 | 0.34 | 824 |
| Nezumia sp. | 1.36 | 34 | 0.34 | |
| Plesionika martia | 1.32 | 215 | 0.32 | |
| Funchalia woodwardi | 1.00 | 72 | 0.25 | |
| Histioteuthis miranda | 0.96 | 2 | 0.24 | |
| Photichthys argenteus | 0.85 | 44 | 0.21 | |
| Hydrolagus sp. | 0.72 | 2 | 0.18 | |
| Psychrolutes macrocephalus | 0.69 | 6 | 0.17 | |
| Starfish | 0.66 | 0 | 0.16 | |
| Raja confundens | 0.60 | 2 | 0.15 | |
| Myxine capensis | 0.54 | 8 | 0.13 | |
| Whelks | 0.49 | 10 | 0.12 | |
| Lucigadus ori | 0.25 | 26 | 0.06 | |
| Lycoteuthis lorigera | 0.23 | 10 | 0.06 | |
| Coelorinchus matamua | 0.20 | 12 | 0.05 | |
| Rossia enigmatica | 0.18 | 8 | 0.04 | |
| Bathynectes piperitus | 0.09 | 4 | 0.02 | |
| Opistoteutis rossi | 0.06 | 2 | 0.01 | |
| Scopelosaurus meadi | 0.05 | 2 | 0.01 | |
| Plagiogeneion rubignosus | 0.04 | 2 | 0.01 | |
| PARALEPIDIDAE | 0.03 | 2 | 0.01 | |
| Bolanichthys supralateralis | 0.01 | 2 | 0.00 | |
| Rochinia sp. | 0.01 | 2 | 0.00 | |
| Diaphus sp. | 0.01 | 2 | 0.00 | |
| Tripterophycis gilchristi | 0.00 | 4 | 0.00 | |
| Total | 405.52 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 86
DATE :04/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°43.15
start stop duration Lon E 16°11.21
TIME :17:35:12 17:55:17 20.1 (min) Purpose : 3
LOG : 4627.23 4628.19 1.0 Region : 6100
FDEPTH: 452 453 Gear cond.: 0
BDEPTH: 452 453 Validity : 0
Towing dir: 0° Wire out : 955 m Speed : 2.9 kn
Sorted : 127 Total catch: 189.26 Catch/hour: 565.23

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Brown sand dollar | 150.52 | 8362 | 26.63 | |
| Merluccius paradoxus | 122.45 | 278 | 21.66 | 828 |
| Bassanago albescens | 92.58 | 170 | 16.38 | |
| Lophius vomerinus | 53.76 | 36 | 9.51 | 826 |
| Parapagurus pilosimanus | 31.50 | 1362 | 5.57 | |
| Genypterus capensis | 25.39 | 12 | 4.49 | 827 |
| Helicolenus dactylopterus | 23.89 | 131 | 4.23 | 825 |
| Coelorinchus simorhynchus | 17.92 | 197 | 3.17 | |
| Starfish | 9.39 | 0 | 1.66 | |
| Brama brama | 8.66 | 39 | 1.53 | 829 |
| Malacocephalus laevis | 7.47 | 18 | 1.32 | |
| Notacanthus sexspinis | 4.63 | 63 | 0.82 | |
| Bathypolypus valdiviae | 3.01 | 36 | 0.53 | |
| Raja leopardus | 2.99 | 12 | 0.53 | |
| Rossia enigmatica | 1.86 | 72 | 0.33 | |
| Coelorinchus simorhynchus | 1.47 | 72 | 0.26 | 0 |
| Lucigadus ori | 1.40 | 108 | 0.25 | |
| Whelks | 1.29 | 36 | 0.23 | |
| Anemones, white | 1.06 | 3 | 0.19 | |
| Shrimps, small, non comm. | 0.57 | 179 | 0.10 | |
| Chaceon maritae | 0.57 | 36 | 0.10 | |
| G A S T R O P O D S | 0.54 | 72 | 0.10 | |
| Coelorinchus braueri | 0.50 | 72 | 0.09 | |
| Bathypolypus valdiviae | 0.43 | 6 | 0.08 | 0 |
| Stereomastis sp. | 0.36 | 72 | 0.06 | |
| Coelorinchus braueri | 0.31 | 15 | 0.06 | 0 |
| Ophichthus bennettai | 0.28 | 3 | 0.05 | |
| Lucigadus ori | 0.19 | 9 | 0.03 | 0 |
| Selachophidium guentheri | 0.09 | 3 | 0.02 | |
| Physiculus capensis | 0.07 | 3 | 0.01 | |
| Photichthys argenteus | 0.07 | 3 | 0.01 | |
| Total | 565.23 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 87
DATE :05/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°39.75
start stop duration Lon E 16°22.64
TIME :04:27:49 04:48:07 20.3 (min) Purpose : 3
LOG : 4706.24 4707.29 1.1 Region : 6100
FDEPTH: 370 372 Gear cond.: 0
BDEPTH: 370 372 Validity : 0
Towing dir: 0° Wire out : 900 m Speed : 3.1 kn
Sorted : 207 Total catch: 207.27 Catch/hour: 612.62

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus simorhynchus | 180.30 | 3606 | 29.43 | |
| Genypterus capensis | 130.05 | 77 | 21.23 | 830 |
| Merluccius paradoxus | 124.14 | 355 | 20.26 | 831 |
| Malacocephalus laevis | 23.94 | 44 | 3.91 | |
| Helicolenus dactylopterus | 22.17 | 106 | 3.62 | 833 |
| Octopus magnificus | 17.73 | 3 | 2.89 | |
| Epigonus sp. | 15.67 | 195 | 2.56 | |
| Starfish | 15.67 | 0 | 2.56 | |
| Squalus mitsukurii | 11.82 | 9 | 1.93 | |
| Coral, deep water | 9.46 | 0 | 1.54 | |
| PORIFERA (Sponges) | 8.87 | 0 | 1.45 | |
| Acanella arbuscula | 8.87 | 0 | 1.45 | |
| Lophius vomerinus | 6.21 | 6 | 1.01 | 832 |
| Anemones, pink | 5.91 | 9 | 0.96 | |
| Cruriraja parcomaculata | 5.32 | 9 | 0.87 | |
| Parapagurus pilosimanus | 4.43 | 139 | 0.72 | |
| Scyliorhinus capensis | 4.14 | 3 | 0.68 | |
| Holohalaelurus regani | 3.25 | 6 | 0.53 | |
| Zeus capensis | 2.96 | 6 | 0.48 | 835 |
| Whelks | 1.77 | 44 | 0.29 | |
| Todaropsis eblanae | 1.48 | 12 | 0.24 | 834 |
| Hoplostethus atlanticus | 1.21 | 12 | 0.20 | |
| Rossia enigmatica | 1.20 | 47 | 0.20 | |
| Mursia cristimanus | 0.74 | 56 | 0.12 | |
| Anemones, red | 0.74 | 3 | 0.12 | |
| Exodromidia sp. | 0.65 | 38 | 0.11 | |
| Brama brama | 0.65 | 3 | 0.11 | 836 |
| CYPRAEIDAE (Bulia) | 0.59 | 50 | 0.10 | |
| Lucigadus ori | 0.51 | 0 | 0.08 | |
| Anemones, white | 0.50 | 3 | 0.08 | |
| Physiculus capensis | 0.44 | 30 | 0.07 | |
| Rochinia sp. | 0.30 | 62 | 0.05 | |
| Sepia hieronis | 0.29 | 6 | 0.05 | |
| Gorgonians | 0.22 | 0 | 0.04 | |
| Selachophidium guentheri | 0.17 | 3 | 0.03 | |
| Tripterophycis gilchristi | 0.15 | 9 | 0.03 | |
| Sepia sp. New SA | 0.04 | 9 | 0.01 | |
| Shark eggs | 0.02 | 15 | 0.00 | |
| Paraliparis australis | 0.01 | 9 | 0.00 | |
| Stoloteuthis sp. | 0.01 | 9 | 0.00 | |
| Bathynectes piperitus | 0.01 | 3 | 0.00 | |
| Lycoteuthis lorigera | 0.01 | 3 | 0.00 | |
| Raja sp., juvenile | 0.01 | 3 | 0.00 | |
| Total | 612.62 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 88
DATE :05/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°29.02
start stop duration Lon E 16°41.17
TIME :07:28:15 07:59:29 31.2 (min) Purpose : 3
LOG : 4728.42 4729.91 1.5 Region : 6100
FDEPTH: 301 295 Gear cond.: 0
BDEPTH: 301 295 Validity : 0
Towing dir: 0° Wire out : 620 m Speed : 2.9 kn
Sorted : 841 Total catch: 1037.61 Catch/hour: 1994.13

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Zeus capensis | 1237.67 | 3200 | 62.07 | 837 |
| Coelorinchus simorhynchus | 247.92 | 3219 | 12.43 | |
| Helicolenus dactylopterus | 113.39 | 1425 | 5.69 | 838 |
| Merluccius paradoxus | 100.90 | 773 | 5.06 | 844 |
| Holohalaelurus regani | 36.23 | 90 | 1.82 | |
| Genypterus capensis | 24.98 | 37 | 1.25 | 839 |
| Malacocephalus laevis | 23.06 | 144 | 1.16 | |
| Chelidonichthys queketti | 23.06 | 108 | 1.16 | 851 |
| Merluccius capensis | 21.14 | 10 | 1.06 | 843 |
| Thyrsites atun | 21.14 | 13 | 1.06 | 840 |
| Coral, deep water | 20.18 | 0 | 1.01 | |
| Trachurus capensis | 17.30 | 63 | 0.87 | 845 |
| Todaropsis eblanae | 13.61 | 127 | 0.68 | 847 |
| Lophius vomerinus | 13.45 | 10 | 0.67 | 841 |
| Epigonus telescopus | 12.91 | 196 | 0.65 | |
| Black sand dollar | 11.53 | 69 | 0.58 | |
| Squalus mitsukurii | 11.15 | 10 | 0.56 | |
| Merluccius capensis | 8.65 | 6 | 0.43 | 842 |
| Starfish | 7.67 | 0 | 0.38 | |
| PORIFERA (Sponges) | 5.77 | 12 | 0.29 | |
| Raja pullopunctata | 3.07 | 2 | 0.15 | |
| Cruriraja parcomaculata | 2.69 | 4 | 0.13 | |
| Octopus magnificus | 2.59 | 2 | 0.13 | |
| Parapagurus pilosimanus | 2.31 | 98 | 0.12 | |
| Exodromidia sp. | 2.13 | 104 | 0.11 | |
| Helicolenus dactylopterus | 2.02 | 98 | 0.10 | 846 |
| Rossia enigmatica | 1.08 | 46 | 0.05 | |
| Loligo reynaudi | 1.07 | 6 | 0.05 | 849 |
| Paracallionymus costatus | 0.98 | 138 | 0.05 | |
| Lepidopus caudatus | 0.89 | 8 | 0.04 | |
| Merluccius paradoxus | 0.86 | 2 | 0.04 | 850 |
| Scyliorhinus capensis | 0.77 | 2 | 0.04 | |
| Beryx splendens | 0.51 | 6 | 0.03 | |
| Sepia hieronis | 0.33 | 6 | 0.02 | |
| Merluccius paradoxus | 0.31 | 63 | 0.02 | 852 |
| Mursia cristimanus | 0.23 | 29 | 0.01 | |
| Bathypolypus valdiviae | 0.23 | 6 | 0.01 | |
| Coral, deep water | 0.09 | 0 | 0.00 | 0 |
| Yellow sponges | 0.09 | 12 | 0.00 | |
| Pterygosquilla armata capensis | 0.08 | 12 | 0.00 | |
| Lophius vomerinus | 0.06 | 6 | 0.00 | 848 |
| Sepia sp. New SA | 0.02 | 6 | 0.00 | |
| Total | 1994.13 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 89
DATE :05/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°9.90
start stop duration Lon E 17°19.84
TIME :12:28:06 12:58:10 30.1 (min) Purpose : 3
LOG : 4769.96 4771.29 1.3 Region : 6100
FDEPTH: 185 183 Gear cond.: 0
BDEPTH: 185 183 Validity : 0
Towing dir: 0° Wire out : 440 m Speed : 2.7 kn
Sorted : 94 Total catch: 225.02 Catch/hour: 448.98

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 109.54 | 7844 | 24.40 | 860 |
| J E L L Y F I S H | 71.83 | 0 | 16.00 | |
| Merluccius paradoxus | 70.64 | 1933 | 15.73 | 859 |
| Etrumeus whiteheadi | 46.09 | 766 | 10.27 | |
| Sepia australis | 44.90 | 2245 | 10.00 | |
| Merluccius capensis | 17.76 | 48 | 3.96 | 858 |
| Lophius vomerinus | 16.36 | 64 | 3.64 | 873 |
| Paracallionymus costatus | 9.58 | 798 | 2.13 | |
| Todaropsis eblanae | 8.98 | 192 | 2.00 | 861 |
| Cynoglossus zanzibarensis | 6.58 | 72 | 1.47 | 863 |
| Mustelus palumbes | 5.79 | 2 | 1.29 | |
| Pterygosquilla armata capensis | 5.45 | 495 | 1.21 | |
| Raja straeleni | 4.99 | 4 | 1.11 | |
| Starfish | 4.61 | 0 | 1.03 | |
| Coelorinchus simorhynchus | 4.19 | 299 | 0.93 | |
| Cynoglossus zanzibarensis | 3.99 | 52 | 0.89 | 854 |
| Chelidonichthys capensis | 3.99 | 8 | 0.89 | 853 |
| Helicolenus dactylopterus | 2.75 | 168 | 0.61 | 862 |
| Jasus lalandii | 1.70 | 18 | 0.38 | 857 |
| Merluccius capensis | 1.44 | 6 | 0.32 | 867 |
| Lophius vomerinus | 1.44 | 54 | 0.32 | 864 |
| Maurolicus muelleri | 1.20 | 0 | 0.27 | |
| Holohalaelurus regani | 0.81 | 48 | 0.18 | 0 |
| Holohalaelurus regani | 0.80 | 14 | 0.18 | |
| Whelks | 0.55 | 6 | 0.12 | |
| Exodromidia sp. | 0.55 | 30 | 0.12 | |
| Genypterus capensis | 0.46 | 12 | 0.10 | 865 |
| Genypterus capensis | 0.40 | 4 | 0.09 | 855 |
| Jasus lalandii | 0.40 | 4 | 0.09 | 856 |
| Brown sand dollar | 0.29 | 6 | 0.06 | |
| Lepidopus caudatus | 0.25 | 6 | 0.05 | |
| Zeus capensis | 0.18 | 6 | 0.04 | 866 |
| Bathynectes piperitus | 0.14 | 6 | 0.03 | |
| Mursia cristimanus | 0.11 | 6 | 0.02 | |
| Aphrodite pol | 0.10 | 6 | 0.02 | |
| Rochinia sp. | 0.07 | 18 | 0.01 | |
| Lolligoncula mercatoris | 0.06 | 24 | 0.01 | |
| Champsodon capensis | 0.03 | 6 | 0.01 | |
| Turitella | 0.02 | 6 | 0.01 | |
| Total | 448.98 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 90
DATE :06/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°4.02
start stop duration Lon E 17°31.86
TIME :07:25:19 07:54:39 29.3 (min) Purpose : 3
LOG : 4804.25 4805.63 1.4 Region : 6100
FDEPTH: 134 134 Gear cond.: 0
BDEPTH: 134 134 Validity : 0
Towing dir: 0° Wire out : 335 m Speed : 2.8 kn
Sorted : 62 Total catch: 846.48 Catch/hour: 1732.22

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| P O L Y C H A E T A | 613.92 | 0 | 35.44 | |
| Merluccius capensis | 562.76 | 3512 | 32.49 | 870 |
| Chelidonichthys capensis | 236.36 | 765 | 13.64 | 871 |
| Pterygosquilla armata capensis | 135.06 | 9004 | 7.80 | |
| J E L L Y F I S H | 90.04 | 0 | 5.20 | |
| Merluccius capensis | 22.51 | 1643 | 1.30 | 869 |
| Trachurus capensis | 15.76 | 68 | 0.91 | 872 |
| Callorhinchus capensis | 14.63 | 23 | 0.84 | |
| CYPRAEIDAE (Bulia) | 13.06 | 720 | 0.75 | |
| Squalus megalops | 8.33 | 45 | 0.48 | |
| Starfish | 7.88 | 0 | 0.45 | |
| Austroglossus microlepis | 6.75 | 45 | 0.39 | 868 |
| Whelks | 3.83 | 45 | 0.22 | |
| Lepidopus caudatus | 1.35 | 23 | 0.08 | |
| Total | 1732.22 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 91
DATE :06/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°53.97
start stop duration Lon E 17°3.71
TIME :10:52:59 11:23:11 30.2 (min) Purpose : 3
LOG : 4831.80 4833.10 1.3 Region : 6100
FDEPTH: 200 195 Gear cond.: 0
BDEPTH: 200 195 Validity : 0
Towing dir: 0° Wire out : 480 m Speed : 2.6 kn
Sorted : 121 Total catch: 336.78 Catch/hour: 668.87

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 182.72 | 3686 | 27.32 | 881 |
| Merluccius paradoxus | 77.06 | 5724 | 11.52 | 886 |
| Lophius vomerinus | 51.64 | 177 | 7.72 | 874 |
| Paracallionymus costatus | 50.53 | 2838 | 7.55 | |
| Yellow sponges | 45.68 | 0 | 6.83 | |
| Etrumeus whiteheadi | 41.31 | 588 | 6.18 | |
| J E L L Y F I S H | 34.96 | 0 | 5.23 | |
| Parapagurus dimorphus | 21.45 | 794 | 3.21 | |
| Chelidonichthys capensis | 17.87 | 40 | 2.67 | 878 |
| Merluccius capensis | 15.89 | 8 | 2.38 | 879 |
| Merluccius capensis | 15.89 | 34 | 2.38 | 880 |
| Coelorinchus simorhynchus | 12.23 | 413 | 1.83 | |
| Sepia australis | 12.08 | 572 | 1.81 | |
| Raja straeleni | 10.92 | 4 | 1.63 | |
| Brama brama | 9.93 | 4 | 1.48 | 876 |
| Helicolenus dactylopterus | 9.53 | 572 | 1.43 | 884 |
| Todaropsis eblanae | 8.42 | 143 | 1.26 | 883 |
| P O L Y C H A E T A | 7.94 | 0 | 1.19 | |
| Black sand dollar | 7.94 | 64 | 1.19 | |
| Pterygosquilla armata capensis | 6.36 | 588 | 0.95 | |
| Thyrsites atun | 5.16 | 2 | 0.77 | 875 |
| Starfish | 4.13 | 0 | 0.62 | |
| Cynoglossus zanzibarensis | 3.97 | 95 | 0.59 | 885 |
| Holohalaelurus regani | 2.58 | 16 | 0.39 | |
| Exodromidia sp. | 2.27 | 79 | 0.34 | |
| Brown sand dollar | 2.22 | 48 | 0.33 | |
| Genypterus capensis | 2.18 | 16 | 0.33 | 877 |
| Holohalaelurus regani | 1.75 | 32 | 0.26 | 0 |
| Maurolicus muelleri | 1.59 | 0 | 0.24 | |
| Todarodes angolensis | 0.99 | 2 | 0.15 | 882 |
| Sepia hieronis | 0.95 | 16 | 0.14 | |
| Lophius vomerinus | 0.48 | 32 | 0.07 | 887 |
| Lolligoncula mercatoris | 0.22 | 0 | 0.03 | |
| Total | 668.87 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 92
DATE :06/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°58.63
start stop duration Lon E 16°51.32
TIME :13:23:06 13:53:28 30.4 (min) Purpose : 3
LOG : 4846.51 4848.13 1.6 Region : 6100
FDEPTH: 228 228 Gear cond.: 0
BDEPTH: 228 228 Validity : 0
Towing dir: 0° Wire out : 550 m Speed : 3.2 kn
Sorted : 131 Total catch: 439.02 Catch/hour: 867.92

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 514.00 | 7744 | 59.22 | 896 |
| Helicolenus dactylopterus | 57.83 | 1092 | 6.66 | 895 |
| Lampanyctodes hectoris | 51.40 | 12850 | 5.92 | |
| J E L L Y F I S H | 44.98 | 0 | 5.18 | |
| Merluccius capensis | 40.53 | 53 | 4.67 | 893 |
| Lophius vomerinus | 32.22 | 47 | 3.71 | 891 |
| Merluccius capensis | 30.84 | 36 | 3.55 | 892 |
| Parapagurus dimorphus | 15.42 | 965 | 1.78 | |
| Raja wallacei | 11.86 | 4 | 1.37 | |
| Genypterus capensis | 10.48 | 26 | 1.21 | 890 |
| Paracallionymus costatus | 10.28 | 1028 | 1.18 | |
| Merluccius paradoxus | 9.29 | 22 | 1.07 | 894 |
| Sepia australis | 7.97 | 334 | 0.92 | |
| Todarodes angolensis | 3.95 | 4 | 0.46 | 888 |
| Coelorinchus simorhynchus | 3.86 | 168 | 0.44 | |
| Black sand dollar | 3.22 | 14 | 0.37 | |
| Holohalaelurus regani | 3.16 | 8 | 0.36 | |
| Squalus mitsukurii | 3.16 | 2 | 0.36 | |
| Cynoglossus zanzibarensis | 2.57 | 51 | 0.30 | 898 |
| Maurolicus muelleri | 2.57 | 1427 | 0.30 | |
| Todaropsis eblanae | 2.57 | 90 | 0.30 | 897 |
| Pterygosquilla armata capensis | 2.06 | 297 | 0.24 | |
| Brama brama | 1.98 | 2 | 0.23 | 889 |
| Brown sand dollar | 0.59 | 40 | 0.07 | |
| Lophius vomerinus | 0.33 | 13 | 0.04 | 900 |
| Merluccius paradoxus | 0.32 | 39 | 0.04 | 899 |
| Lepidopus caudatus | 0.26 | 14 | 0.03 | |
| Turitella | 0.12 | 14 | 0.01 | |
| Rossia enigmatica | 0.10 | 14 | 0.01 | |
| Total | 867.92 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 93
DATE :06/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°4.11
start stop duration Lon E 16°39.48
TIME :15:48:00 16:18:21 30.3 (min) Purpose : 3
LOG : 4861.20 4862.77 1.6 Region : 6100
FDEPTH: 256 254 Gear cond.: 0
BDEPTH: 256 254 Validity : 0
Towing dir: 0° Wire out : 600 m Speed : 3.1 kn
Sorted : 206 Total catch: 733.25 Catch/hour: 1450.06

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 455.64 | 6425 | 31.42 | 908 |
| Zeus capensis | 289.52 | 1035 | 19.97 | 910 |
| Parapagurus dimorphus | 142.39 | 7493 | 9.82 | |
| Coelorinchus simorhynchus | 132.89 | 3322 | 9.16 | |
| Helicolenus dactylopterus | 66.45 | 636 | 4.58 | 911 |
| Merluccius capensis | 57.35 | 34 | 3.96 | 906 |
| Black sand dollar | 52.21 | 475 | 3.60 | |
| Holohalaelurus regani | 49.36 | 636 | 3.40 | |
| Lophius vomerinus | 32.63 | 32 | 2.25 | 903 |
| Merluccius capensis | 27.69 | 16 | 1.91 | 907 |
| Chelidonichthys capensis | 27.53 | 38 | 1.90 | 915 |
| Squalus mitsukurii | 19.38 | 12 | 1.34 | |
| Chelidonichthys queketti | 9.49 | 57 | 0.65 | 914 |
| Callorhinchus capensis | 8.90 | 4 | 0.61 | |
| Malacocephalus laevis | 8.54 | 28 | 0.59 | |
| Cynoglossus zanzibarensis | 8.07 | 142 | 0.56 | 913 |
| J E L L Y F I S H | 6.92 | 0 | 0.48 | |
| Trachurus capensis | 6.64 | 28 | 0.46 | 916 |
| Paracallionymus costatus | 6.17 | 206 | 0.43 | |
| Thyrsites atun | 5.14 | 4 | 0.35 | 901 |
| Genypterus capensis | 4.94 | 8 | 0.34 | 904 |
| Congiopodus spinifer | 4.75 | 28 | 0.33 | |
| Merluccius capensis | 4.27 | 9 | 0.29 | 920 |
| Emmelichthys nitidus | 4.18 | 10 | 0.29 | |
| Merluccius paradoxus | 3.56 | 6 | 0.25 | 902 |
| Loligo reynaudi | 3.42 | 19 | 0.24 | 919 |
| Loligo reynaudi | 2.18 | 4 | 0.15 | 905 |
| Brama brama | 2.09 | 9 | 0.14 | 917 |
| Todaropsis eblanae | 1.76 | 38 | 0.12 | 918 |
| Merluccius paradoxus | 1.52 | 323 | 0.10 | 912 |
| Hermits, mixed* | 1.33 | 28 | 0.09 | |
| Starfish | 0.95 | 0 | 0.07 | |
| Whelks | 0.61 | 10 | 0.04 | |
| Rossia enigmatica | 0.55 | 20 | 0.04 | |
| Anemones, red | 0.35 | 10 | 0.02 | |
| Sepia australis | 0.21 | 10 | 0.01 | |
| Mursia cristimanus | 0.16 | 20 | 0.01 | |
| Brown sand dollar | 0.16 | 10 | 0.01 | |
| CYPRAEIDAE (Bulia) | 0.13 | 10 | 0.01 | |
| Sepia sp. New SA | 0.06 | 10 | 0.00 | |
| Total | 1450.07 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 94
DATE :06/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°6.12
start stop duration Lon E 16°34.12
TIME :17:42:22 18:02:58 20.6 (min) Purpose : 3
LOG : 4872.25 4873.20 0.9 Region : 6100
FDEPTH: 286 285 Gear cond.: 0
BDEPTH: 286 285 Validity : 0
Towing dir: 0° Wire out : 650 m Speed : 2.8 kn
Sorted : 173 Total catch: 229.27 Catch/hour: 668.11

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Zeus capensis | 142.79 | 446 | 21.37 | 921 |
| Coelorinchus simorhynchus | 139.87 | 1944 | 20.94 | |
| Helicolenus dactylopterus | 47.21 | 758 | 7.07 | 926 |
| Genypterus capensis | 38.47 | 38 | 5.76 | 922 |
| Merluccius paradoxus | 37.88 | 455 | 5.67 | 927 |
| Squalus mitsukurii | 36.43 | 32 | 5.45 | |
| Merluccius capensis | 23.60 | 17 | 3.53 | 925 |
| Trachurus capensis | 20.98 | 99 | 3.14 | 928 |
| Callorhinchus capensis | 20.40 | 6 | 3.05 | |
| Merluccius capensis | 20.11 | 12 | 3.01 | 924 |
| Black sand dollar | 19.82 | 146 | 2.97 | |
| Octopus magnificus | 18.94 | 9 | 2.84 | |
| Lophius vomerinus | 15.15 | 12 | 2.27 | 923 |
| Coral, deep water | 11.66 | 0 | 1.74 | |
| Mustelus palumbes | 9.32 | 6 | 1.40 | |
| Raja wallacei | 9.03 | 3 | 1.35 | |
| PORIFERA (Sponges) | 7.58 | 0 | 1.13 | |
| Chelidonichthys queketti | 7.58 | 41 | 1.13 | 930 |
| Starfish | 6.70 | 0 | 1.00 | |
| Malacocephalus laevis | 6.53 | 29 | 0.98 | |
| Holohalaelurus regani | 5.83 | 12 | 0.87 | |
| J E L L Y F I S H | 5.83 | 0 | 0.87 | |
| Paracallionymus costatus | 4.95 | 1547 | 0.74 | |
| Rossia enigmatica | 2.17 | 99 | 0.32 | |
| Sea pens | 2.10 | 0 | 0.31 | |
| Todaropsis eblanae | 1.17 | 12 | 0.17 | 931 |
| Lepidopus caudatus | 0.82 | 6 | 0.12 | |
| Sepia hieronis | 0.73 | 17 | 0.11 | |
| Todaropsis eblanae | 0.58 | 17 | 0.09 | 933 |
| Squalus mitsukurii, juvenile | 0.55 | 6 | 0.08 | |
| Echinus gilchristi ? | 0.52 | 64 | 0.08 | |
| Emmelichthys nitidus | 0.52 | 6 | 0.08 | |
| G A S T R O P O D S | 0.47 | 17 | 0.07 | |
| Epigonus sp. | 0.42 | 6 | 0.06 | |
| Sepia sp. New SA | 0.28 | 47 | 0.04 | |
| Anemones, red | 0.23 | 6 | 0.03 | |
| Cynoglossus zanzibarensis | 0.23 | 6 | 0.03 | 932 |
| Merluccius paradoxus | 0.22 | 47 | 0.03 | 929 |
| Parapagurus dimorphus | 0.15 | 6 | 0.02 | |
| Nudibranchs | 0.15 | 12 | 0.02 | |
| Mursia cristimanus | 0.12 | 12 | 0.02 | |
| Solenocera sp. | 0.02 | 6 | 0.00 | |
| Inioteuthis capensis | 0.02 | 6 | 0.00 | |
| Total | 668.11 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 95
DATE :07/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°3.27
start stop duration Lon E 15°56.09
TIME :04:25:12 04:55:21 30.2 (min) Purpose : 3
LOG : 4950.24 4951.67 1.4 Region : 6100
FDEPTH: 355 356 Gear cond.: 0
BDEPTH: 355 356 Validity : 0
Towing dir: 0° Wire out : 775 m Speed : 2.8 kn
Sorted : 271 Total catch: 792.22 Catch/hour: 1576.02

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 372.02 | 2498 | 23.60 | 941 |
| Zeus capensis | 311.74 | 623 | 19.78 | 940 |
| Coelorinchus simorhynchus | 232.16 | 3316 | 14.73 | |
| Epigonus sp. | 116.78 | 2336 | 7.41 | |
| Genypterus capensis | 75.60 | 72 | 4.80 | 934 |
| Merluccius paradoxus | 69.63 | 54 | 4.42 | 938 |
| Merluccius paradoxus | 65.65 | 80 | 4.17 | 937 |
| Malacocephalus laevis | 63.66 | 94 | 4.04 | |
| Helicolenus dactylopterus | 50.33 | 265 | 3.19 | 944 |
| Merluccius capensis | 44.76 | 14 | 2.84 | 936 |
| Trachurus capensis | 39.79 | 159 | 2.52 | 942 |
| Scyliorhinus capensis | 37.80 | 42 | 2.40 | |
| Lophius vomerinus | 30.64 | 18 | 1.94 | 935 |
| Parapagurus dimorphus | 20.55 | 3543 | 1.30 | |
| Holohalaelurus regani | 19.89 | 52 | 1.26 | |
| Todaropsis eblanae | 5.37 | 40 | 0.34 | 943 |
| Squalus mitsukurii | 4.97 | 4 | 0.32 | |
| Mustelus palumbes | 3.98 | 2 | 0.25 | |
| Hoplostethus mediterraneus | 3.56 | 133 | 0.23 | |
| Cruriraja parcomaculata | 2.98 | 8 | 0.19 | |
| Black sand dollar | 1.73 | 14 | 0.11 | |
| Starfish | 0.85 | 0 | 0.05 | |
| Lepidopus caudatus | 0.77 | 14 | 0.05 | |
| Paracallionymus costatus | 0.45 | 105 | 0.03 | |
| Sepia hieronis | 0.37 | 0 | 0.02 | |
| Total | 1576.02 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 96
DATE :07/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°12.93
start stop duration Lon E 15°51.83
TIME :06:35:36 07:06:03 30.5 (min) Purpose : 3
LOG : 4963.42 4964.80 1.4 Region : 6100
FDEPTH: 486 487 Gear cond.: 0
BDEPTH: 486 487 Validity : 0
owing dir: 0° Wire out : 1000 m Speed : 2.7 kn
Sorted : 427 Total catch: 426.97 Catch/hour: 841.05

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 317.14 | 674 | 37.71 | 945 |
| Merluccius paradoxus | 204.86 | 442 | 24.36 | 939 |
| Notacanthus sexspinis | 41.37 | 552 | 4.92 | |
| Starfish - many arms | 41.37 | 11490 | 4.92 | |
| Parapagurus pilosimanus | 39.40 | 1684 | 4.68 | |
| Sipunculida | 29.55 | 6 | 3.51 | |
| Helicolenus dactylopterus | 25.61 | 77 | 3.04 | 948 |
| Coelorinchus simorhynchus | 25.61 | 2844 | 3.04 | |
| Bassanago albescens | 23.64 | 102 | 2.81 | |
| Malacocephalus laevis | 17.73 | 59 | 2.11 | |
| Lophius vomerinus | 13.79 | 6 | 1.64 | 946 |
| Hydrolagus sp. | 10.64 | 16 | 1.26 | |
| Genypterus capensis | 7.88 | 2 | 0.94 | 947 |
| Rossia enigmatica | 5.71 | 236 | 0.68 | |
| Todarodes angolensis | 4.92 | 6 | 0.59 | 949 |
| Selachophidium guentheri | 4.37 | 77 | 0.52 | |
| Anemones, white | 3.94 | 24 | 0.47 | |
| Octopus magnificus | 3.15 | 2 | 0.37 | |
| Raja pullopunctata | 2.86 | 2 | 0.34 | |
| Whelks | 2.56 | 71 | 0.30 | |
| Coelorinchus braueri | 2.56 | 203 | 0.30 | |
| Raja confundens | 1.97 | 4 | 0.23 | |
| Centrolophus niger | 1.97 | 2 | 0.23 | |
| Todarodes angolensis | 0.98 | 2 | 0.12 | 950 |
| Holohalaelurus regani | 0.98 | 2 | 0.12 | |
| Cruriraja parcomaculata | 0.98 | 2 | 0.12 | |
| Lucigadus ori | 0.95 | 91 | 0.11 | |
| Cruriraja parcomaculata | 0.59 | 2 | 0.07 | 0 |
| Photichthys argenteus | 0.59 | 35 | 0.07 | |
| Paracallionymus costatus | 0.37 | 55 | 0.04 | |
| Anemones, pink | 0.32 | 2 | 0.04 | |
| Tripterophycis gilchristi | 0.31 | 14 | 0.04 | |
| G A S T R O P O D S | 0.29 | 30 | 0.03 | |
| Shark eggs | 0.29 | 20 | 0.03 | |
| Epigonus sp. | 0.27 | 4 | 0.03 | |
| Myxine capensis | 0.22 | 2 | 0.03 | |
| Nezumia sp. | 0.22 | 6 | 0.03 | |
| Todaropsis eblanae | 0.21 | 2 | 0.02 | 951 |
| Lycoteuthis lorigera | 0.18 | 12 | 0.02 | |
| Rochinia sp. | 0.17 | 24 | 0.02 | |
| Symbolophorus boops | 0.10 | 8 | 0.01 | |
| Bristle worms (straws) | 0.09 | 26 | 0.01 | |
| Munidopsis sp. | 0.08 | 14 | 0.01 | |
| Physiculus capensis | 0.08 | 10 | 0.01 | |
| Psychrolutes macrocephalus | 0.05 | 2 | 0.01 | |
| Sipunculida | 0.04 | 4 | 0.00 | 0 |
| Chaceon maritae | 0.04 | 6 | 0.00 | |
| Haliporoides triarthrus | 0.03 | 4 | 0.00 | |
| Aphrodite pol | 0.01 | 2 | 0.00 | |
| Brown sand dollar | 0.01 | 2 | 0.00 | |
| Stereomastis sp. | 0.01 | 4 | 0.00 | |
| Argyropelecus aculeatus | 0.00 | 2 | 0.00 | |
| Total | 841.05 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 97
DATE :07/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°20.44
start stop duration Lon E 15°48.45
TIME :08:33:10 09:03:20 30.2 (min) Purpose : 3
LOG : 4973.10 4974.55 1.5 Region : 6100
FDEPTH: 559 561 Gear cond.: 0
BDEPTH: 559 561 Validity : 0
Towing dir: 0° Wire out : 1100 m Speed : 2.9 kn
Sorted : 255 Total catch: 254.58 Catch/hour: 506.29

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 198.87 | 298 | 39.28 | 953 |
| Ruvettus pretiosus | 61.65 | 6 | 12.18 | |
| Coelorinchus braueri | 37.79 | 1022 | 7.46 | |
| Raja leopardus | 35.80 | 26 | 7.07 | |
| Starfish - many arms | 29.83 | 0 | 5.89 | |
| Merluccius paradoxus | 28.44 | 54 | 5.62 | 952 |
| Selachophidium guentheri | 25.85 | 432 | 5.11 | |
| Chaceon maritae | 17.90 | 338 | 3.54 | |
| Helicolenus dactylopterus | 15.91 | 91 | 3.14 | 954 |
| Lophius vomerinus | 15.91 | 8 | 3.14 | 957 |
| Nezumia sp. | 5.61 | 88 | 1.11 | |
| Notacanthus sexspinis | 4.08 | 127 | 0.81 | |
| Photichthys argenteus | 3.86 | 241 | 0.76 | |
| Todarodes angolensis | 3.58 | 4 | 0.71 | 956 |
| Todarodes angolensis | 3.18 | 6 | 0.63 | 955 |
| Etmopterus brachyurus | 2.51 | 20 | 0.49 | |
| Neoscopelus macrolepidotus | 2.39 | 141 | 0.47 | |
| Bassanago albescens | 1.99 | 6 | 0.39 | |
| Malacocephalus laevis | 1.59 | 8 | 0.31 | |
| Funchalia woodwardi | 1.51 | 101 | 0.30 | |
| Rossia enigmatica | 1.26 | 62 | 0.25 | |
| Bristle worms (straws) | 1.17 | 195 | 0.23 | |
| Hydrolagus sp. | 0.80 | 2 | 0.16 | |
| Anemones, white | 0.76 | 2 | 0.15 | |
| Coelorinchus simorhynchus | 0.50 | 8 | 0.10 | |
| Diretmus argenteus | 0.42 | 18 | 0.08 | |
| Lucigadus ori | 0.32 | 22 | 0.06 | |
| Psychrolutes macrocephalus | 0.31 | 2 | 0.06 | |
| Whelks | 0.30 | 6 | 0.06 | |
| Anemones, pink | 0.30 | 8 | 0.06 | |
| Plesionika martia | 0.30 | 149 | 0.06 | |
| Raja leopardus | 0.21 | 10 | 0.04 | 0 |
| Lycoteuthis lorigera | 0.18 | 6 | 0.04 | |
| Bathypolypus valdiviae | 0.17 | 2 | 0.03 | |
| Bassanago albescens | 0.16 | 2 | 0.03 | 0 |
| Parapagurus pilosimanus | 0.15 | 10 | 0.03 | |
| Bathophilus sp. | 0.13 | 4 | 0.03 | |
| Coelorinchus matamua | 0.12 | 6 | 0.02 | |
| Benthalbella infans | 0.12 | 2 | 0.02 | |
| Gymnoscopelus sp. | 0.09 | 10 | 0.02 | |
| Scopelosaurus meadi | 0.07 | 2 | 0.01 | |
| Myxine capensis | 0.06 | 2 | 0.01 | |
| Plagiogeneion rubignosus | 0.05 | 2 | 0.01 | |
| Tripterophycis gilchristi | 0.05 | 2 | 0.01 | |
| PARALEPIDIDAE | 0.03 | 2 | 0.01 | |
| G A S T R O P O D S | 0.03 | 2 | 0.01 | |
| Abraliopsis gilchristi | 0.01 | 2 | 0.00 | |
| Total | 506.29 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 98
DATE :07/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°29.17
start stop duration Lon E 15°42.81
TIME :11:10:37 11:40:43 30.1 (min) Purpose : 3
LOG : 4985.26 4986.67 1.4 Region : 6100
FDEPTH: 667 666 Gear cond.: 0
BDEPTH: 667 666 Validity : 0
Towing dir: 0° Wire out : 1460 m Speed : 2.8 kn
Sorted : 262 Total catch: 262.11 Catch/hour: 522.31

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus braueri | 137.50 | 2292 | 26.32 | |
| Merluccius paradoxus | 107.61 | 98 | 20.60 | 959 |
| Lophius vomerinus | 61.77 | 10 | 11.83 | 964 |
| Chaceon maritae | 58.98 | 701 | 11.29 | |
| Raja leopardus | 33.08 | 28 | 6.33 | |
| Nezumia sp. | 22.52 | 243 | 4.31 | |
| Histioteuthis miranda | 18.53 | 16 | 3.55 | |
| Centrophorus squamosus | 8.97 | 2 | 1.72 | |
| Trachyscorpia eschmeyeri | 8.17 | 14 | 1.56 | 960 |
| Todarodes angolensis | 6.18 | 10 | 1.18 | 962 |
| Photichthys argenteus | 5.38 | 163 | 1.03 | |
| Selachophidium guentheri | 5.38 | 68 | 1.03 | |
| Merluccius paradoxus | 5.28 | 6 | 1.01 | 958 |
| Etmopterus brachyurus | 4.18 | 24 | 0.80 | |
| Benthoctopus berryi | 3.99 | 2 | 0.76 | |
| Cryptopsaras couesii | 3.63 | 2 | 0.69 | |
| Anemones, yellow | 3.19 | 4 | 0.61 | |
| Hydrolagus sp. | 2.79 | 8 | 0.53 | |
| Starfish - many arms | 2.79 | 0 | 0.53 | |
| Sergia sp. | 2.73 | 546 | 0.52 | |
| Todarodes angolensis | 2.69 | 2 | 0.52 | 961 |
| Anemones, pink | 2.39 | 12 | 0.46 | |
| Lithodes ferox | 1.69 | 2 | 0.32 | |
| Allocyttus verrucosus | 1.63 | 24 | 0.31 | |
| Bristle worms (straws) | 1.59 | 0 | 0.31 | |
| Myxine capensis | 1.59 | 24 | 0.31 | |
| Histioteuthis macrohista | 1.34 | 14 | 0.26 | |
| Bathypolypus valdiviae | 1.20 | 14 | 0.23 | |
| Malacocephalus laevis | 0.89 | 2 | 0.17 | |
| Hoplostethus atlanticus | 0.87 | 2 | 0.17 | 963 |
| Notacanthus sexspinis | 0.80 | 12 | 0.15 | |
| Bathophilus sp. | 0.73 | 2 | 0.14 | |
| Diretmus argenteus | 0.60 | 12 | 0.11 | |
| Lycodes agulhensis | 0.39 | 8 | 0.08 | |
| Neoscopelus macrolepidotus | 0.28 | 20 | 0.05 | |
| Histioteuthis meleagroteuthis | 0.25 | 2 | 0.05 | |
| Funchalia woodwardi | 0.21 | 14 | 0.04 | |
| Careproctus griseldea | 0.13 | 2 | 0.02 | |
| Bolanichthys supralateralis | 0.12 | 10 | 0.02 | |
| Xenodermichthys copei | 0.11 | 6 | 0.02 | |
| Gymnoscopelus sp. | 0.04 | 4 | 0.01 | |
| Gonostoma elongatum | 0.03 | 2 | 0.01 | |
| Lucigadus ori | 0.03 | 2 | 0.01 | |
| Avocettina acuticeps | 0.02 | 2 | 0.00 | |
| Linophryne sp. | 0.01 | 2 | 0.00 | |
| Diaphus sp. | 0.01 | 2 | 0.00 | |
| Stoloteuthis sp. | 0.01 | 2 | 0.00 | |
| Hoplostethus sp., juvenile | 0.01 | 2 | 0.00 | |
| Synaphobranchus sp., juvenile | 0.01 | 2 | 0.00 | |
| Total | 522.31 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 99
DATE :07/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°28.75
start stop duration Lon E 15°55.32
TIME :13:34:57 14:05:44 30.8 (min) Purpose : 3
LOG : 4998.36 4999.81 1.5 Region : 6100
FDEPTH: 526 528 Gear cond.: 0
BDEPTH: 526 528 Validity : 0
Towing dir: 0° Wire out : 1000 m Speed : 2.8 kn
Sorted : 250 Total catch: 249.51 Catch/hour: 486.21

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 231.89 | 384 | 47.69 | 966 |
| Helicolenus dactylopterus | 48.72 | 244 | 10.02 | 967 |
| Merluccius paradoxus | 42.87 | 86 | 8.82 | 965 |
| Coelorinchus braueri | 31.18 | 328 | 6.41 | |
| Bathyraja smithii | 30.40 | 4 | 6.25 | |
| Chaceon maritae | 23.38 | 312 | 4.81 | |
| Starfish - many arms | 21.44 | 0 | 4.41 | |
| Lophius vomerinus | 13.64 | 12 | 2.81 | 972 |
| Selachophidium guentheri | 7.41 | 114 | 1.52 | |
| Notacanthus sexspinis | 4.29 | 33 | 0.88 | |
| Raja leopardus | 3.90 | 4 | 0.80 | |
| Bassanago albescens | 3.74 | 18 | 0.77 | |
| Nezumia sp. | 3.41 | 58 | 0.70 | |
| Anemones, pink | 3.27 | 12 | 0.67 | |
| Raja confundens | 3.22 | 4 | 0.66 | |
| Photichthys argenteus | 1.38 | 66 | 0.28 | |
| Whelks | 1.36 | 25 | 0.28 | |
| Todarodes angolensis | 1.33 | 4 | 0.27 | 968 |
| Funchalia woodwardi | 1.17 | 80 | 0.24 | |
| Hydrolagus sp. | 1.13 | 4 | 0.23 | |
| Rossia enigmatica | 1.01 | 43 | 0.21 | |
| Malacocephalus laevis | 0.97 | 4 | 0.20 | |
| Todarodes angolensis | 0.94 | 2 | 0.19 | 969 |
| Etmopterus brachyurus | 0.74 | 4 | 0.15 | |
| Brama brama | 0.58 | 2 | 0.12 | 971 |
| Coelorinchus matamua | 0.55 | 8 | 0.11 | |
| Lophius vomerinus | 0.31 | 2 | 0.06 | 970 |
| Bathophilus sp. | 0.28 | 6 | 0.06 | |
| Lucigadus ori | 0.26 | 18 | 0.05 | |
| Bathyraja smithii | 0.22 | 2 | 0.04 | 0 |
| Paracallionymus costatus | 0.21 | 41 | 0.04 | |
| Shark eggs | 0.18 | 8 | 0.04 | |
| Plesionika martia | 0.13 | 23 | 0.03 | |
| Histioteuthis macrohista | 0.12 | 2 | 0.02 | |
| Allocyttus verrucosus | 0.11 | 2 | 0.02 | |
| Bathypolypus valdiviae | 0.11 | 2 | 0.02 | |
| Myxine capensis | 0.10 | 2 | 0.02 | |
| Lycoteuthis lorigera | 0.07 | 4 | 0.01 | |
| Gymnoscopelus sp. | 0.06 | 6 | 0.01 | |
| Bolanichthys supralateralis | 0.03 | 2 | 0.01 | |
| Symbolophorus boops | 0.03 | 2 | 0.01 | |
| Raja leopardus, juvenile | 0.03 | 2 | 0.01 | |
| Gonostoma elongatum | 0.02 | 2 | 0.00 | |
| Stereomastis sp. | 0.01 | 2 | 0.00 | |
| Total | 486.21 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 100
DATE :07/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 31°19.21
start stop duration Lon E 16°15.70
TIME :16:42:53 17:13:05 30.2 (min) Purpose : 3
LOG : 5021.12 5022.56 1.4 Region : 6100
FDEPTH: 433 432 Gear cond.: 0
BDEPTH: 433 432 Validity : 0
Towing dir: 0° Wire out : 950 m Speed : 2.9 kn
Sorted : 467 Total catch: 466.68 Catch/hour: 927.17

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 274.17 | 400 | 29.57 | 978 |
| Merluccius paradoxus | 125.17 | 87 | 13.50 | 976 |
| Merluccius paradoxus | 125.17 | 239 | 13.50 | 977 |
| Helicolenus dactylopterus | 83.44 | 260 | 9.00 | 973 |
| Coelorinchus simorhynchus | 67.55 | 751 | 7.29 | |
| Genypterus capensis | 57.62 | 38 | 6.21 | 974 |
| Bassanago albescens | 26.82 | 34 | 2.89 | |
| Merluccius paradoxus | 25.83 | 211 | 2.79 | 979 |
| Starfish - many arms | 22.85 | 0 | 2.46 | |
| Hydrolagus sp. | 21.06 | 24 | 2.27 | |
| Parapagurus pilosimanus | 16.89 | 675 | 1.82 | |
| Malacocephalus laevis | 13.91 | 28 | 1.50 | |
| Lophius vomerinus | 13.91 | 14 | 1.50 | 975 |
| Rochinia sp. | 10.53 | 975 | 1.14 | |
| Merluccius paradoxus | 9.93 | 12 | 1.07 | 981 |
| Epigonus sp. | 9.22 | 141 | 0.99 | |
| Scyliorhinus capensis | 4.97 | 4 | 0.54 | |
| Anemones, white | 4.57 | 42 | 0.49 | |
| Anemones, pink | 4.37 | 14 | 0.47 | |
| Rossia enigmatica | 2.84 | 95 | 0.31 | |
| Lucigadus ori | 1.41 | 201 | 0.15 | |
| Paracallionymus costatus | 0.64 | 159 | 0.07 | |
| Whelks | 0.58 | 12 | 0.06 | |
| Coelorinchus braueri | 0.54 | 6 | 0.06 | |
| Centriscops obliquus | 0.54 | 2 | 0.06 | |
| Anemones, yellow | 0.45 | 2 | 0.05 | |
| PORIFERA (Sponges) | 0.40 | 10 | 0.04 | |
| Tripterophycis gilchristi | 0.38 | 26 | 0.04 | |
| Hoplostethus mediterraneus | 0.29 | 8 | 0.03 | |
| Physiculus capensis | 0.22 | 8 | 0.02 | |
| Haliporoides triarthrus | 0.20 | 24 | 0.02 | |
| Bathypolypus valdiviae | 0.18 | 2 | 0.02 | |
| Chaceon maritae | 0.16 | 4 | 0.02 | |
| Bathyclupea elongata | 0.10 | 4 | 0.01 | |
| Plagiogeneion rubignosus | 0.04 | 2 | 0.00 | |
| Lampanyctodes hectoris | 0.04 | 12 | 0.00 | |
| Epigonus sp. | 0.04 | 6 | 0.00 | 0 |
| Stereomastis sp. | 0.03 | 4 | 0.00 | |
| Lophius vomerinus | 0.03 | 2 | 0.00 | 980 |
| Mursia cristimanus | 0.02 | 4 | 0.00 | |
| Photichthys argenteus | 0.02 | 2 | 0.00 | |
| Bathynectes piperitus, juvenile | 0.02 | 4 | 0.00 | |
| Raja sp., juvenile | 0.01 | 2 | 0.00 | |
| Sepia sp. New SA | 0.01 | 2 | 0.00 | |
| Diaphus sp. | 0.01 | 2 | 0.00 | |
| Brown sand dollar | 0.01 | 2 | 0.00 | |
| Argyropelecus aculeatus | 0.00 | 2 | 0.00 | |
| Stoloteuthis sp. | 0.00 | 2 | 0.00 | |
| Total | 927.17 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 101
DATE :08/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°51.99
start stop duration Lon E 16°24.32
TIME :04:21:43 04:51:51 30.1 (min) Purpose : 3
LOG : 5111.55 5112.98 1.4 Region : 6100
FDEPTH: 274 273 Gear cond.: 0
BDEPTH: 274 273 Validity : 0
Towing dir: 0° Wire out : 615 m Speed : 2.9 kn
Sorted : 274 Total catch: 374.57 Catch/hour: 746.15

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Zeus capensis | 268.92 | 868 | 36.04 | 982 |
| Coelorinchus simorhynchus | 77.69 | 392 | 10.41 | |
| Merluccius paradoxus | 53.78 | 622 | 7.21 | 990 |
| Parapagurus dimorphus | 41.83 | 6747 | 5.61 | |
| Trachurus capensis | 39.84 | 179 | 5.34 | 984 |
| Malacocephalus laevis | 32.27 | 185 | 4.32 | |
| Helicolenus dactylopterus | 30.48 | 645 | 4.08 | 991 |
| Merluccius capensis | 27.89 | 16 | 3.74 | 988 |
| Squalus mitsukurii | 23.51 | 40 | 3.15 | |
| Thyrsites atun | 21.91 | 18 | 2.94 | 987 |
| Holohalaelurus regani | 18.92 | 56 | 2.54 | |
| Hydrolagus sp. | 13.94 | 4 | 1.87 | |
| Rochinia sp. | 12.91 | 1614 | 1.73 | |
| Cynoglossus zanzibarensis | 11.95 | 203 | 1.60 | 989 |
| Genypterus capensis | 11.95 | 18 | 1.60 | 983 |
| Chelidonichthys queketti | 7.47 | 48 | 1.00 | 992 |
| Lophius vomerinus | 7.17 | 6 | 0.96 | 986 |
| Aphrodite pol | 6.33 | 1711 | 0.85 | |
| Raja straeleni | 5.38 | 2 | 0.72 | |
| Emmelichthys nitidus | 4.96 | 96 | 0.66 | |
| Paracallionymus costatus | 4.54 | 568 | 0.61 | |
| Todaropsis eblanae | 3.35 | 60 | 0.45 | 995 |
| Starfish | 2.99 | 0 | 0.40 | |
| Congiopodus torvus | 2.99 | 2 | 0.40 | |
| Rossia enigmatica | 2.81 | 96 | 0.38 | |
| J E L L Y F I S H | 2.39 | 0 | 0.32 | |
| Merluccius paradoxus | 2.09 | 627 | 0.28 | 994 |
| Brama brama | 1.79 | 6 | 0.24 | 993 |
| Loligo reynaudi | 1.20 | 2 | 0.16 | 985 |
| Congiopodus spinifer | 0.88 | 6 | 0.12 | |
| Sepia hieronis | 0.86 | 18 | 0.12 | |
| Nudibranchs | 0.72 | 66 | 0.10 | |
| Echinus gilchristi ? | 0.25 | 24 | 0.03 | |
| Pterygosquilla armata capensis | 0.10 | 18 | 0.01 | |
| Inioteuthis capensis | 0.04 | 12 | 0.00 | |
| Mursia cristimanus | 0.03 | 12 | 0.00 | |
| Lolligoncula mercatoris | 0.02 | 6 | 0.00 | |
| Total | 746.15 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 102
DATE :08/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°44.67
start stop duration Lon E 16°41.68
TIME :07:14:46 07:44:55 30.2 (min) Purpose : 3
LOG : 5131.44 5132.91 1.5 Region : 6100
FDEPTH: 232 229 Gear cond.: 0
BDEPTH: 232 229 Validity : 0
Towing dir: 0° Wire out : 550 m Speed : 2.9 kn
Sorted : 232 Total catch: 368.81 Catch/hour: 733.94

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Parapagurus dimorphus | 191.54 | 15962 | 26.10 | |
| Raja alba | 119.40 | 2 | 16.27 | |
| Black sand dollar | 55.72 | 410 | 7.59 | |
| Merluccius capensis | 45.77 | 54 | 6.24 | 1003 |
| Zeus capensis | 35.82 | 123 | 4.88 | 998 |
| Malacocephalus laevis | 34.83 | 203 | 4.75 | |
| Callorhinchus capensis | 30.85 | 12 | 4.20 | |
| Lophius vomerinus | 22.69 | 34 | 3.09 | 997 |
| Holohalaelurus regani | 22.49 | 96 | 3.06 | |
| Mustelus palumbes | 19.90 | 8 | 2.71 | |
| Coelorinchus simorhynchus | 17.00 | 404 | 2.32 | |
| Merluccius paradoxus | 16.72 | 195 | 2.28 | 1006 |
| Helicolenus dactylopterus | 16.51 | 676 | 2.25 | 1009 |
| Merluccius capensis | 15.32 | 18 | 2.09 | 1004 |
| Chelidonichthys capensis | 13.93 | 18 | 1.90 | 1000 |
| Paracallionymus costatus | 11.70 | 786 | 1.59 | |
| Cynoglossus zanzibarensis | 8.36 | 223 | 1.14 | 1007 |
| Squalus mitsukurii | 7.36 | 6 | 1.00 | |
| Merluccius capensis | 6.97 | 21 | 0.95 | 1005 |
| Todaropsis eblanae | 6.97 | 77 | 0.95 | 1010 |
| Raja straeleni | 4.78 | 4 | 0.65 | |
| Genypterus capensis | 4.58 | 32 | 0.62 | 996 |
| Chelidonichthys queketti | 3.38 | 22 | 0.46 | 999 |
| Todarodes angolensis | 3.27 | 7 | 0.45 | 1011 |
| Emmelichthys nitidus | 3.20 | 42 | 0.44 | |
| Brama brama | 2.59 | 2 | 0.35 | 1001 |
| Sea pens | 2.23 | 14 | 0.30 | |
| Merluccius paradoxus | 2.16 | 265 | 0.29 | 1008 |
| Rochinia sp. | 1.94 | 197 | 0.26 | |
| J E L L Y F I S H | 1.39 | 0 | 0.19 | |
| Congiopodus spinifer | 1.29 | 10 | 0.18 | |
| Loligo reynaudi | 0.90 | 2 | 0.12 | 1002 |
| Starfish | 0.70 | 0 | 0.09 | |
| G A S T R O P O D S | 0.59 | 8 | 0.08 | |
| Pterygosquilla armata capensis | 0.35 | 42 | 0.05 | |
| CYPRAEIDAE (Bulia) | 0.29 | 8 | 0.04 | |
| Sepia australis | 0.20 | 14 | 0.03 | |
| Lolligoncula mercatoris | 0.16 | 64 | 0.02 | |
| Mursia cristimanus | 0.08 | 7 | 0.01 | |
| Exodromidia sp. | 0.05 | 8 | 0.01 | |
| Total | 733.94 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 103
DATE :08/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°36.36
start stop duration Lon E 16°52.26
TIME :09:36:41 10:07:01 30.3 (min) Purpose : 3
LOG : 5145.27 5146.88 1.6 Region : 6100
FDEPTH: 192 193 Gear cond.: 0
BDEPTH: 192 193 Validity : 0
Towing dir: 0° Wire out : 450 m Speed : 3.2 kn
Sorted : 32 Total catch: 471.88 Catch/hour: 933.48

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 338.28 | 8373 | 36.24 | 1020 |
| Yellow sponges | 294.76 | 0 | 31.58 | |
| J E L L Y F I S H | 40.95 | 0 | 4.39 | |
| Paracallionymus costatus | 38.46 | 2747 | 4.12 | |
| Chelidonichthys capensis | 29.67 | 59 | 3.18 | 1013 |
| Parapagurus dimorphus | 26.71 | 1571 | 2.86 | |
| Helicolenus dactylopterus | 23.86 | 1638 | 2.56 | 1022 |
| Etrumeus whiteheadi | 17.80 | 249 | 1.91 | |
| Merluccius paradoxus | 17.80 | 1513 | 1.91 | 1021 |
| Sepia australis | 12.46 | 694 | 1.34 | |
| Lophius vomerinus | 11.87 | 44 | 1.27 | 1015 |
| Thyrsites atun | 10.88 | 8 | 1.17 | 1012 |
| Maurolicus muelleri | 9.89 | 0 | 1.06 | |
| Brama brama | 9.89 | 4 | 1.06 | 1014 |
| Brown sand dollar | 8.90 | 392 | 0.95 | |
| Merluccius capensis | 7.12 | 14 | 0.76 | 1018 |
| Exodromidia sp. | 6.05 | 374 | 0.65 | |
| Lophius vomerinus | 4.63 | 89 | 0.50 | 1023 |
| Starfish | 3.56 | 0 | 0.38 | |
| Todaropsis eblanae | 3.56 | 53 | 0.38 | 1026 |
| Pterygosquilla armata capensis | 2.67 | 59 | 0.29 | |
| Genypterus capensis | 2.57 | 16 | 0.28 | 1016 |
| Coelorinchus simorhynchus | 2.49 | 107 | 0.27 | |
| Sepia hieronis | 1.73 | 53 | 0.19 | |
| Holohalaelurus regani | 1.71 | 53 | 0.18 | |
| Congiopodus spinifer | 1.19 | 18 | 0.13 | |
| Merluccius paradoxus | 1.19 | 4 | 0.13 | 1019 |
| Zeus capensis | 1.16 | 18 | 0.12 | 1024 |
| Trachurus capensis | 0.59 | 2 | 0.06 | 1017 |
| Turitella | 0.55 | 53 | 0.06 | |
| Rochinia sp. | 0.36 | 36 | 0.04 | |
| Physiculus capensis | 0.12 | 18 | 0.01 | |
| Trachurus capensis | 0.04 | 18 | 0.00 | 1025 |
| Total | 933.48 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 104
DATE :08/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°30.47
start stop duration Lon E 17°3.69
TIME :12:07:43 12:38:05 30.4 (min) Purpose : 3
LOG : 5160.49 5161.91 1.4 Region : 6100
FDEPTH: 157 157 Gear cond.: 0
BDEPTH: 157 157 Validity : 0
Towing dir: 0° Wire out : 380 m Speed : 2.8 kn
Sorted : 473 Total catch: 683.83 Catch/hour: 1351.45

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Yellow sponges | 839.92 | 0 | 62.15 | |
| Etrumeus whiteheadi | 192.69 | 3059 | 14.26 | |
| J E L L Y F I S H | 163.04 | 0 | 12.06 | |
| Pterygosquilla armata capensis | 32.61 | 3261 | 2.41 | |
| Todaropsis eblanae | 19.27 | 534 | 1.43 | 1036 |
| Merluccius paradoxus | 19.27 | 934 | 1.43 | 1033 |
| Merluccius capensis | 11.86 | 59 | 0.88 | 1029 |
| Brown sand dollar | 11.13 | 77 | 0.82 | |
| Sepia australis | 9.64 | 460 | 0.71 | |
| Lophius vomerinus | 9.29 | 30 | 0.69 | 1032 |
| Exodromidia sp. | 8.89 | 524 | 0.66 | |
| Raja straeleni | 6.52 | 2 | 0.48 | |
| Helicolenus dactylopterus | 3.26 | 222 | 0.24 | 1037 |
| Paracallionymus costatus | 3.26 | 474 | 0.24 | |
| Loligo reynaudi | 2.96 | 15 | 0.22 | 1034 |
| Sardinops ocellatus | 2.53 | 30 | 0.19 | |
| Jasus lalandii | 2.22 | 15 | 0.16 | 1035 |
| Whelks | 2.13 | 30 | 0.16 | |
| Starfish | 1.79 | 0 | 0.13 | |
| Merluccius paradoxus | 1.58 | 24 | 0.12 | 1030 |
| Lophius vomerinus | 1.42 | 15 | 0.11 | 1038 |
| Cynoglossus zanzibarensis | 1.13 | 30 | 0.08 | 1039 |
| Mursia cristimanus | 1.04 | 16 | 0.08 | |
| Chelidonichthys capensis | 0.79 | 2 | 0.06 | 1028 |
| Genypterus capensis | 0.79 | 10 | 0.06 | 1031 |
| Lepidopus caudatus | 0.68 | 16 | 0.05 | |
| CYPRAEIDAE (Bulia) | 0.56 | 30 | 0.04 | |
| Sepia hieronis | 0.53 | 16 | 0.04 | |
| Holohalaelurus regani | 0.34 | 16 | 0.03 | |
| Macropipus australis | 0.28 | 16 | 0.02 | |
| Total | 1351.45 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 105
DATE :08/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°26.24
start stop duration Lon E 17°15.68
TIME :14:21:59 14:55:03 33.1 (min) Purpose : 3
LOG : 5173.98 5175.16 1.2 Region : 6100
FDEPTH: 120 123 Gear cond.: 0
BDEPTH: 120 123 Validity : 0
Towing dir: 0° Wire out : 300 m Speed : 2.2 kn
Sorted : 62 Total catch: 473.86 Catch/hour: 859.75

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 613.24 | 42069 | 71.33 | 1044 |
| Pterygosquilla armata capensis | 54.25 | 3875 | 6.31 | |
| J E L L Y F I S H | 42.46 | 0 | 4.94 | |
| Callorhinchus capensis | 36.29 | 27 | 4.22 | |
| CYPRAEIDAE (Bulia) | 35.38 | 2721 | 4.12 | |
| Chelidonichthys capensis | 31.57 | 154 | 3.67 | 1040 |
| Lepidopus caudatus | 13.21 | 660 | 1.54 | |
| Euphausiacea | 9.43 | 11793 | 1.10 | |
| Merluccius capensis | 8.16 | 56 | 0.95 | 1042 |
| Todaropsis eblanae | 2.92 | 259 | 0.34 | 1047 |
| Sufflogobius bibarbatus | 2.85 | 354 | 0.33 | |
| Austroglossus microlepis | 2.72 | 18 | 0.32 | 1043 |
| Mustelus palumbes | 2.54 | 2 | 0.30 | |
| Trachurus capensis | 2.36 | 13 | 0.27 | 1041 |
| Lolligoncula mercatoris | 1.49 | 660 | 0.17 | |
| Jasus lalandii | 0.44 | 4 | 0.05 | 1045 |
| Starfish | 0.24 | 71 | 0.03 | |
| Genypterus capensis | 0.18 | 2 | 0.02 | 1046 |
| Macrorhamphosus scolopax | 0.02 | 2 | 0.00 | |
| Total | 859.75 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 106
DATE :08/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°15.06
start stop duration Lon E 17°11.70
TIME :16:24:34 16:49:42 25.1 (min) Purpose : 3
LOG : 5186.14 5187.32 1.2 Region : 6100
FDEPTH: 108 107 Gear cond.: 9
BDEPTH: 108 107 Validity : 1
Towing dir: 0° Wire out : 275 m Speed : 2.8 kn
Sorted : 104 Total catch: 980.12 Catch/hour: 2341.06

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 1648.57 | 120000 | 70.42 | 1051 |
| J E L L Y F I S H | 334.39 | 0 | 14.28 | |
| Callorhinchus capensis | 71.66 | 62 | 3.06 | |
| Pterygosquilla armata capensis | 53.50 | 2140 | 2.29 | |
| Chelidonichthys capensis | 52.55 | 251 | 2.24 | 1048 |
| Merluccius capensis | 43.47 | 234 | 1.86 | 1053 |
| CYPRAEIDAE (Bulia) | 36.78 | 2164 | 1.57 | |
| Thyrsites atun | 35.83 | 12 | 1.53 | 1052 |
| Ascidans | 30.10 | 1505 | 1.29 | |
| Lepidopus caudatus | 15.05 | 568 | 0.64 | |
| Sufflogobius bibarbatus | 8.36 | 401 | 0.36 | |
| Todaropsis eblanae | 2.37 | 201 | 0.10 | 1054 |
| Austroglossus microlepis | 1.79 | 12 | 0.08 | 1050 |
| Etrumeus whiteheadi | 1.71 | 33 | 0.07 | |
| Genypterus capensis | 1.67 | 7 | 0.07 | 1049 |
| Trachurus capensis | 1.34 | 33 | 0.06 | 1057 |
| Jasus lalandii | 1.19 | 10 | 0.05 | 1055 |
| Jasus lalandii | 0.43 | 5 | 0.02 | 1056 |
| Paracallionymus costatus | 0.30 | 33 | 0.01 | |
| Total | 2341.06 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 107
DATE :09/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°13.00
start stop duration Lon E 16°55.82
TIME :04:26:04 04:56:11 30.1 (min) Purpose : 3
LOG : 5256.46 5257.89 1.4 Region : 6100
FDEPTH: 152 153 Gear cond.: 0
BDEPTH: 152 153 Validity : 0
Towing dir: 0° Wire out : 375 m Speed : 2.9 kn
Sorted : 90 Total catch: 1640.48 Catch/hour: 3267.88

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Yellow sponges | 2988.05 | 0 | 91.44 | |
| Merluccius capensis | 44.82 | 299 | 1.37 | 1061 |
| Sepia australis | 41.09 | 1793 | 1.26 | |
| Chelidonichthys capensis | 37.35 | 112 | 1.14 | 1058 |
| Pterygosquilla armata capensis | 26.15 | 2876 | 0.80 | |
| Etrumeus whiteheadi | 18.68 | 261 | 0.57 | |
| Genypterus capensis | 18.68 | 299 | 0.57 | 1059 |
| Merluccius paradoxus | 18.68 | 1008 | 0.57 | 1062 |
| Exodromidia sp. | 16.81 | 1382 | 0.51 | |
| Cynoglossus zanzibarensis | 11.21 | 187 | 0.34 | 1063 |
| Trachurus capensis | 9.34 | 37 | 0.29 | 1065 |
| Todaropsis eblanae | 9.34 | 261 | 0.29 | 1064 |
| Paracallionymus costatus | 7.47 | 1457 | 0.23 | |
| Lophius vomerinus | 7.47 | 37 | 0.23 | 1067 |
| Thyrsites atun | 5.98 | 2 | 0.18 | 1060 |
| Helicolenus dactylopterus | 5.60 | 336 | 0.17 | 1066 |
| Plagiogeneion rubignosus | 0.71 | 37 | 0.02 | |
| Macropipus australis | 0.37 | 37 | 0.01 | |
| Zeus capensis | 0.11 | 37 | 0.00 | 1068 |
| Total | 3267.88 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 108
DATE :09/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°17.08
start stop duration Lon E 16°46.29
TIME :06:19:23 06:49:27 30.1 (min) Purpose : 3
LOG : 5268.22 5269.72 1.5 Region : 6100
FDEPTH: 186 187 Gear cond.: 0
BDEPTH: 186 187 Validity : 0
Towing dir: 0° Wire out : 420 m Speed : 3.0 kn
Sorted : 92 Total catch: 738.42 Catch/hour: 1473.39

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Yellow sponges | 748.25 | 0 | 50.78 | |
| Etrumeus whiteheadi | 468.91 | 7105 | 31.82 | |
| Sepia australis | 54.87 | 3784 | 3.72 | |
| Merluccius paradoxus | 48.89 | 1097 | 3.32 | 1078 |
| Merluccius capensis | 25.94 | 76 | 1.76 | 1071 |
| Helicolenus dactylopterus | 17.96 | 1437 | 1.22 | 1075 |
| Merluccius paradoxus | 14.97 | 1048 | 1.02 | 1079 |
| J E L L Y F I S H | 14.97 | 0 | 1.02 | |
| Lophius vomerinus | 13.97 | 36 | 0.95 | 1069 |
| Merluccius capensis | 9.98 | 50 | 0.68 | 1077 |
| Todaropsis eblanae | 7.98 | 190 | 0.54 | 1076 |
| Brown sand dollar | 6.88 | 190 | 0.47 | |
| Paracallionymus costatus | 5.29 | 734 | 0.36 | |
| Lophius vomerinus | 4.99 | 100 | 0.34 | 1081 |
| Coelorinchus simorhynchus | 4.89 | 269 | 0.33 | |
| Raja straeleni | 4.59 | 2 | 0.31 | |
| Holohalaelurus regani | 3.99 | 140 | 0.27 | |
| Thyrsites atun | 2.39 | 2 | 0.16 | 1070 |
| Macropipus australis | 2.29 | 80 | 0.16 | |
| Genypterus capensis | 2.00 | 20 | 0.14 | 1072 |
| Exodromidia sp. | 1.50 | 100 | 0.10 | |
| Genypterus capensis | 1.41 | 30 | 0.10 | 1080 |
| Pterygosquilla armata capensis | 1.40 | 229 | 0.09 | |
| Sepia hieronis | 1.21 | 40 | 0.08 | |
| Chelidonichthys capensis | 1.00 | 4 | 0.07 | 1073 |
| Lepidopus caudatus | 0.79 | 10 | 0.05 | |
| Starfish | 0.75 | 0 | 0.05 | |
| Whelks | 0.53 | 10 | 0.04 | |
| Zeus capensis | 0.45 | 10 | 0.03 | 1082 |
| Turitella | 0.23 | 30 | 0.02 | |
| Chelidonichthys queketti | 0.16 | 2 | 0.01 | 1074 |
| Total | 1473.39 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 109
DATE :09/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°25.26
start stop duration Lon E 16°33.94
TIME :09:01:23 09:32:18 30.9 (min) Purpose : 3
LOG : 5285.12 5286.67 1.6 Region : 6100
FDEPTH: 211 214 Gear cond.: 0
BDEPTH: 211 214 Validity : 0
Towing dir: 0° Wire out : 500 m Speed : 3.0 kn
Sorted : 129 Total catch: 478.48 Catch/hour: 928.49

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 570.50 | 12084 | 61.44 | 1090 |
| Black sand dollar | 46.57 | 490 | 5.02 | |
| J E L L Y F I S H | 40.75 | 0 | 4.39 | |
| Lophius vomerinus | 40.75 | 66 | 4.39 | 1085 |
| Paracallionymus costatus | 25.61 | 2911 | 2.76 | |
| Merluccius paradoxus | 24.45 | 2259 | 2.63 | 1094 |
| Helicolenus dactylopterus | 22.12 | 1025 | 2.38 | 1096 |
| Brama brama | 19.40 | 31 | 2.09 | 1083 |
| Merluccius capensis | 17.46 | 29 | 1.88 | 1087 |
| Todaropsis eblanae | 17.46 | 384 | 1.88 | 1095 |
| Chelidonichthys capensis | 14.55 | 33 | 1.57 | 1084 |
| Thyrsites atun | 10.28 | 10 | 1.11 | 1089 |
| Parapagurus dimorphus | 9.31 | 913 | 1.00 | |
| Anemones, red | 8.15 | 163 | 0.88 | |
| Sepia australis | 6.72 | 489 | 0.72 | |
| Octopus magnificus | 6.21 | 2 | 0.67 | |
| Merluccius capensis | 5.82 | 14 | 0.63 | 1088 |
| Genypterus capensis | 4.85 | 29 | 0.52 | 1086 |
| Ascidans | 4.66 | 1455 | 0.50 | |
| Raja wallacei | 3.88 | 2 | 0.42 | |
| Trachurus capensis | 2.89 | 12 | 0.31 | 1098 |
| Holohalaelurus regani | 2.72 | 35 | 0.29 | |
| Callorhinchus capensis | 2.52 | 2 | 0.27 | |
| Cynoglossus zanzibarensis | 2.33 | 58 | 0.25 | 1097 |
| Raja straeleni | 2.33 | 2 | 0.25 | |
| Anemones, pink | 2.33 | 12 | 0.25 | |
| Todarodes angolensis | 2.33 | 4 | 0.25 | 1091 |
| Maurolicus muelleri | 1.94 | 0 | 0.21 | |
| Lepidopus caudatus | 1.94 | 2 | 0.21 | |
| Coelorinchus simorhynchus | 1.90 | 93 | 0.20 | |
| Loligo reynaudi | 1.46 | 4 | 0.16 | 1093 |
| Starfish | 1.36 | 0 | 0.15 | |
| Todarodes angolensis | 0.97 | 2 | 0.10 | 1092 |
| Congiopodus spinifer | 0.73 | 0 | 0.08 | |
| Whelks | 0.40 | 12 | 0.04 | |
| Emmelichthys nitidus | 0.23 | 97 | 0.03 | |
| CYPRAEIDAE (Bulia) | 0.23 | 12 | 0.03 | |
| Mursia cristimanus | 0.13 | 12 | 0.01 | |
| Lolligoncula mercatoris | 0.12 | 58 | 0.01 | |
| Pterygosquilla armata capensis | 0.07 | 12 | 0.01 | |
| Inioteuthis capensis | 0.02 | 12 | 0.00 | |
| Total | 928.49 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 110
DATE :09/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°32.73
start stop duration Lon E 16°18.19
TIME :12:18:51 12:49:22 30.5 (min) Purpose : 3
LOG : 5308.58 5309.93 1.4 Region : 6100
FDEPTH: 245 247 Gear cond.: 0
BDEPTH: 245 247 Validity : 0
Towing dir: 0° Wire out : 580 m Speed : 2.7 kn
Sorted : 147 Total catch: 271.76 Catch/hour: 534.26

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 134.17 | 1843 | 25.11 | 1108 |
| Helicolenus dactylopterus | 89.45 | 1808 | 16.74 | 1107 |
| Zeus capensis | 53.08 | 157 | 9.94 | 1102 |
| Black sand dollar | 39.61 | 440 | 7.41 | |
| Coelorinchus simorhynchus | 38.34 | 446 | 7.18 | |
| Holohalaelurus regani | 23.59 | 116 | 4.42 | |
| Merluccius capensis | 17.69 | 18 | 3.31 | 1105 |
| Chelidonichthys queketti | 12.98 | 81 | 2.43 | 1101 |
| Malacocephalus laevis | 12.78 | 64 | 2.39 | |
| Callorhinchus capensis | 12.58 | 4 | 2.36 | |
| Brama brama | 9.83 | 8 | 1.84 | 1099 |
| Chelidonichthys capensis | 9.83 | 14 | 1.84 | 1100 |
| Lophius vomerinus | 8.26 | 8 | 1.55 | 1103 |
| Squalus mitsukurii | 8.06 | 16 | 1.51 | |
| J E L L Y F I S H | 7.67 | 0 | 1.44 | |
| Emmelichthys nitidus | 7.03 | 102 | 1.32 | |
| Genypterus capensis | 6.88 | 22 | 1.29 | 1106 |
| Mustelus palumbes | 6.88 | 2 | 1.29 | |
| Paracallionymus costatus | 5.56 | 556 | 1.04 | |
| Merluccius paradoxus | 5.11 | 543 | 0.96 | 1109 |
| Todaropsis eblanae | 4.47 | 109 | 0.84 | 1111 |
| Cynoglossus zanzibarensis | 4.47 | 96 | 0.84 | 1110 |
| Ascidans | 3.19 | 96 | 0.60 | |
| Sea pens | 3.19 | 19 | 0.60 | |
| PORIFERA (Sponges) | 1.92 | 6 | 0.36 | |
| Anemones, red | 1.25 | 45 | 0.23 | |
| Sepia australis | 1.10 | 83 | 0.21 | |
| Lepidopus caudatus | 0.98 | 2 | 0.18 | |
| Rossia enigmatica | 0.91 | 26 | 0.17 | |
| Loligo reynaudi | 0.69 | 2 | 0.13 | 1104 |
| Nudibranchs | 0.57 | 26 | 0.11 | |
| Congiopodus spinifer | 0.49 | 6 | 0.09 | |
| Starfish | 0.42 | 0 | 0.08 | |
| Zeus capensis | 0.40 | 6 | 0.08 | 1112 |
| CYPRAEIDAE (Bulia) | 0.33 | 19 | 0.06 | |
| Physiculus capensis | 0.23 | 13 | 0.04 | |
| Ophichthus bennettai | 0.20 | 2 | 0.04 | |
| Sepia sp. New SA | 0.05 | 13 | 0.01 | |
| Lolligoncula mercatoris | 0.01 | 6 | 0.00 | |
| Total | 534.26 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 111
DATE :09/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°41.64
start stop duration Lon E 16°3.69
TIME :15:02:43 15:26:53 24.2 (min) Purpose : 3
LOG : 5326.55 5327.73 1.2 Region : 6100
FDEPTH: 210 210 Gear cond.: 0
BDEPTH: 210 210 Validity : 0
Towing dir: 0° Wire out : 500 m Speed : 2.9 kn
Sorted : 273 Total catch: 272.91 Catch/hour: 677.48

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 134.05 | 117 | 19.79 | 1122 |
| Squalus megalops | 96.81 | 209 | 14.29 | |
| Merluccius capensis | 84.40 | 89 | 12.46 | 1121 |
| Lepidopus caudatus | 62.06 | 124 | 9.16 | |
| Zeus capensis | 59.58 | 330 | 8.79 | 1115 |
| Lophius vomerinus | 59.58 | 47 | 8.79 | 1113 |
| Emmelichthys nitidus | 39.72 | 993 | 5.86 | |
| Black sand dollar | 23.83 | 204 | 3.52 | |
| Raja wallacei | 19.11 | 5 | 2.82 | |
| Raja straeleni | 15.14 | 7 | 2.24 | |
| Callorhinchus capensis | 13.16 | 5 | 1.94 | |
| Raja pullopunctata | 12.91 | 5 | 1.91 | |
| Chelidonichthys queketti | 9.93 | 40 | 1.47 | 1116 |
| Helicolenus dactylopterus | 8.44 | 109 | 1.25 | 1114 |
| Todaropsis eblanae | 6.70 | 137 | 0.99 | 1125 |
| Chelidonichthys capensis | 5.96 | 10 | 0.88 | 1117 |
| Trachurus capensis | 5.21 | 22 | 0.77 | 1118 |
| J E L L Y F I S H | 4.96 | 0 | 0.73 | |
| Todarodes angolensis | 3.72 | 2 | 0.55 | 1119 |
| Cynoglossus zanzibarensis | 2.48 | 25 | 0.37 | 1123 |
| Squalus mitsukurii | 1.99 | 2 | 0.29 | |
| Starfish | 1.24 | 0 | 0.18 | |
| Scyliorhinus capensis | 1.24 | 2 | 0.18 | |
| Cruriraja parcomaculata | 0.99 | 2 | 0.15 | |
| Arnoglossus capensis | 0.72 | 62 | 0.11 | |
| Loligo reynaudi | 0.62 | 2 | 0.09 | 1120 |
| Echinus gilchristi ? | 0.60 | 5 | 0.09 | |
| Coelorinchus simorhynchus | 0.50 | 10 | 0.07 | |
| Whelks | 0.45 | 5 | 0.07 | |
| Merluccius paradoxus | 0.37 | 67 | 0.05 | 1124 |
| Rossia enigmatica | 0.26 | 15 | 0.04 | |
| Sepia australis | 0.24 | 20 | 0.04 | |
| Paracallionymus costatus | 0.23 | 30 | 0.03 | |
| Holohalaelurus regani | 0.11 | 2 | 0.02 | |
| Champsodon capensis | 0.05 | 5 | 0.01 | |
| Holohalaelurus regani | 0.05 | 2 | 0.01 | 0 |
| CYPRAEIDAE (Bulia) | 0.04 | 5 | 0.01 | |
| ISOPODS | 0.01 | 2 | 0.00 | |
| Notopogon macrosolen | 0.00 | 2 | 0.00 | |
| Total | 677.48 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 112
DATE :10/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°52.22
start stop duration Lon E 15°31.46
TIME :04:32:18 05:02:31 30.2 (min) Purpose : 3
LOG : 5421.99 5423.42 1.4 Region : 6100
FDEPTH: 470 475 Gear cond.: 0
BDEPTH: 470 475 Validity : 0
Towing dir: 0° Wire out : 950 m Speed : 2.8 kn
Sorted : 89 Total catch: 88.99 Catch/hour: 176.80

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 40.73 | 62 | 23.04 | 1129 |
| Lophius vomerinus | 39.74 | 18 | 22.47 | 1128 |
| Genypterus capensis | 30.40 | 20 | 17.19 | 1127 |
| Notacanthus sexspinis | 28.21 | 166 | 15.96 | |
| Coelorinchus simorhynchus | 5.76 | 115 | 3.26 | |
| Etmopterus brachyurus | 5.56 | 111 | 3.15 | |
| Brama brama | 4.97 | 18 | 2.81 | 1126 |
| Deania calcea | 4.37 | 6 | 2.47 | |
| Raja confundens | 1.99 | 2 | 1.12 | |
| Brama brama | 1.83 | 2 | 1.03 | 1133 |
| Hydrolagus sp. | 1.45 | 2 | 0.82 | |
| Starfish - many arms | 1.39 | 284 | 0.79 | |
| Nezumia sp. | 1.39 | 139 | 0.79 | |
| J E L L Y F I S H | 1.39 | 0 | 0.79 | |
| Helicolenus dactylopterus | 1.07 | 4 | 0.61 | 1131 |
| Todarodes angolensis | 0.89 | 2 | 0.51 | 1130 |
| Selachophidium guentheri | 0.79 | 8 | 0.45 | |
| Hoplostethus mediterraneus | 0.64 | 6 | 0.36 | |
| Lucigadus ori | 0.56 | 66 | 0.31 | |
| Chaceon maritae | 0.52 | 6 | 0.29 | |
| Malacocephalus laevis | 0.46 | 2 | 0.26 | |
| Rossia enigmatica | 0.41 | 18 | 0.23 | |
| Plesionika martia | 0.37 | 83 | 0.21 | |
| Bassanago albescens | 0.34 | 2 | 0.19 | |
| Epigonus telescopus | 0.23 | 34 | 0.13 | |
| Sergia sp. | 0.23 | 47 | 0.13 | |
| Tripterophycis gilchristi | 0.23 | 6 | 0.13 | |
| Neoscopelus macrolepidotus | 0.18 | 14 | 0.10 | |
| Physiculus capensis | 0.17 | 10 | 0.10 | |
| Zeus capensis | 0.14 | 2 | 0.08 | 1132 |
| Malacosteus niger | 0.14 | 2 | 0.08 | |
| Photichthys argenteus | 0.08 | 2 | 0.05 | 0 |
| Black paralepidae | 0.06 | 2 | 0.03 | |
| Paracallionymus costatus | 0.04 | 8 | 0.02 | |
| PASIPHAEIDAE | 0.04 | 0 | 0.02 | |
| Notopogon macrosolen | 0.02 | 2 | 0.01 | |
| Coelorinchus braueri | 0.02 | 2 | 0.01 | |
| Xenodermichthys copei | 0.01 | 2 | 0.00 | |
| Total | 176.80 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 113
DATE :10/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°53.97
start stop duration Lon E 15°30.71
TIME :06:11:20 06:41:30 30.2 (min) Purpose : 3
LOG : 5427.28 5428.76 1.5 Region : 6100
FDEPTH: 543 538 Gear cond.: 0
BDEPTH: 543 538 Validity : 0
Towing dir: 0° Wire out : 1050 m Speed : 2.9 kn
Sorted : 158 Total catch: 158.15 Catch/hour: 314.61

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 39.79 | 82 | 12.65 | 1134 |
| Raja confundens | 33.82 | 42 | 10.75 | |
| Starfish - many arms | 30.24 | 297 | 9.61 | |
| Merluccius paradoxus | 29.84 | 46 | 9.48 | 1135 |
| Lophius vomerinus | 28.65 | 10 | 9.11 | 1137 |
| Raja leopardus | 21.88 | 28 | 6.96 | |
| Nezumia sp. | 17.90 | 448 | 5.69 | |
| Selachophidium guentheri | 14.92 | 199 | 4.74 | |
| Chaceon maritae | 13.93 | 22 | 4.43 | |
| Helicolenus dactylopterus | 11.94 | 46 | 3.79 | 1138 |
| Centrophorus squamosus | 10.54 | 4 | 3.35 | |
| Genypterus capensis | 9.95 | 4 | 3.16 | 1136 |
| Coelorinchus braueri | 7.96 | 362 | 2.53 | |
| Plesionika martia | 4.69 | 782 | 1.49 | |
| Malacocephalus laevis | 3.98 | 14 | 1.26 | |
| Notacanthus sexspinis | 2.98 | 91 | 0.95 | |
| Torpedo nobiliana | 2.79 | 2 | 0.89 | |
| Etmopterus brachyurus | 2.59 | 90 | 0.82 | |
| Epigonus telescopus | 2.19 | 219 | 0.70 | |
| Neoscopelus macrolepidotus | 1.99 | 107 | 0.63 | |
| Anemones, D.W. | 1.99 | 6 | 0.63 | |
| Hoplostethus mediterraneus | 1.99 | 22 | 0.63 | |
| Bassanago albescens | 1.79 | 18 | 0.57 | |
| Coloconger cadenati | 1.69 | 12 | 0.54 | |
| Coelorinchus matamua | 1.43 | 6 | 0.46 | |
| Rossia enigmatica | 1.41 | 51 | 0.45 | |
| Anemones, red | 1.39 | 4 | 0.44 | |
| Deania calcea | 1.29 | 2 | 0.41 | |
| Photichthys argenteus | 1.29 | 38 | 0.41 | |
| Lucigadus ori | 1.19 | 92 | 0.38 | |
| J E L L Y F I S H | 0.99 | 0 | 0.32 | |
| Bristle worms (straws) | 0.99 | 0 | 0.32 | |
| Myxine capensis | 0.86 | 18 | 0.27 | |
| Todarodes angolensis | 0.80 | 2 | 0.25 | 1162 |
| Sergia sp. | 0.72 | 249 | 0.23 | |
| Tripterophycis gilchristi | 0.60 | 22 | 0.19 | |
| Anemones, white | 0.60 | 4 | 0.19 | |
| Pasiphaea sp. | 0.30 | 30 | 0.09 | |
| Raja sp., juvenile | 0.22 | 16 | 0.07 | |
| Shark eggs | 0.16 | 6 | 0.05 | |
| Psychrolutes macrocephalus | 0.13 | 2 | 0.04 | |
| Bathophilus sp. | 0.08 | 2 | 0.03 | |
| Stereomastis sp. | 0.03 | 6 | 0.01 | |
| Chauliodus sloani | 0.03 | 2 | 0.01 | |
| Funchalia woodwardi | 0.03 | 2 | 0.01 | |
| Raja leopardus, juvenile | 0.03 | 2 | 0.01 | |
| Paracallionymus costatus | 0.02 | 6 | 0.01 | |
| Raja confundens, juvenile | 0.01 | 2 | 0.00 | |
| Chlorophthalmus sp. | 0.01 | 2 | 0.00 | |
| Janthina sp. | 0.00 | 2 | 0.00 | |
| Total | 314.61 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 114
DATE :10/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°41.77
start stop duration Lon E 15°19.00
TIME :08:39:08 09:09:48 30.7 (min) Purpose : 3
LOG : 5443.25 5444.49 1.2 Region : 6100
FDEPTH: 611 599 Gear cond.: 0
BDEPTH: 611 599 Validity : 0
Towing dir: 0° Wire out : 1100 m Speed : 2.4 kn
Sorted : 146 Total catch: 145.75 Catch/hour: 285.13

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Centrophorus squamosus | 45.00 | 8 | 15.78 | |
| Merluccius paradoxus | 25.43 | 22 | 8.92 | 1141 |
| Coelorinchus braueri | 25.43 | 462 | 8.92 | |
| Lophius vomerinus | 17.61 | 6 | 6.17 | 1139 |
| Starfish - many arms | 16.04 | 0 | 5.63 | |
| Coelorinchus matamua | 15.65 | 137 | 5.49 | |
| Raja confundens | 15.65 | 29 | 5.49 | |
| Selachophidium guentheri | 14.18 | 190 | 4.97 | |
| Raja leopardus | 13.89 | 27 | 4.87 | |
| Chaceon maritae | 9.98 | 139 | 3.50 | |
| Bathyraja smithii | 9.78 | 2 | 3.43 | |
| Etmopterus brachyurus | 9.19 | 184 | 3.22 | |
| Torpedo nobiliana | 8.41 | 2 | 2.95 | |
| Nezumia sp. | 7.83 | 157 | 2.74 | |
| Merluccius paradoxus | 7.83 | 10 | 2.74 | 1142 |
| Genypterus capensis | 4.89 | 2 | 1.72 | 1140 |
| Notacanthus sexspinis | 4.30 | 72 | 1.51 | |
| Histioteuthis miranda | 3.91 | 2 | 1.37 | |
| Anemones, pink | 3.91 | 6 | 1.37 | |
| Coloconger cadenati | 2.93 | 8 | 1.03 | |
| Sergia sp. | 2.93 | 0 | 1.03 | |
| Photichthys argenteus | 2.54 | 68 | 0.89 | |
| Todarodes angolensis | 2.27 | 4 | 0.80 | 1144 |
| Psychrolutes macrocephalus | 2.15 | 20 | 0.75 | |
| Hydrolagus sp. | 1.57 | 6 | 0.55 | |
| Helicolenus dactylopterus | 1.57 | 6 | 0.55 | 1143 |
| Deania calcea | 1.57 | 2 | 0.55 | |
| Plesionika martia | 1.08 | 82 | 0.38 | |
| Anemones, red | 0.98 | 2 | 0.34 | |
| Bristle worms (straws) | 0.78 | 0 | 0.27 | |
| Bathophilus sp. | 0.76 | 16 | 0.27 | |
| Neoscopelus macrolepidotus | 0.68 | 22 | 0.24 | |
| Lampichthys procerus | 0.59 | 49 | 0.21 | |
| Myxine capensis | 0.59 | 10 | 0.21 | |
| Funchalia woodwardi | 0.59 | 8 | 0.21 | |
| Oreosoma atlanticum | 0.53 | 4 | 0.19 | |
| Pasiphaea sp. | 0.53 | 39 | 0.19 | |
| Hoplostethus mediterraneus | 0.39 | 2 | 0.14 | |
| Rossia enigmatica | 0.39 | 12 | 0.14 | |
| Plesiopenaeus edwardsianus | 0.20 | 10 | 0.07 | |
| Bathypolypus valdiviae | 0.11 | 2 | 0.04 | |
| Epigonus telescopus | 0.08 | 2 | 0.03 | |
| Raja sp., juvenile | 0.07 | 10 | 0.02 | |
| Raja confundens, juvenile | 0.05 | 2 | 0.02 | |
| Scopelosaurus meadi | 0.04 | 2 | 0.01 | |
| Malacocephalus laevis | 0.04 | 2 | 0.01 | |
| Lepidion capensis, juvenile | 0.04 | 6 | 0.01 | |
| Chauliodus sloani | 0.03 | 2 | 0.01 | |
| Tripterophycis gilchristi | 0.03 | 2 | 0.01 | |
| Lycoteuthis lorigera | 0.03 | 2 | 0.01 | |
| Diaphus effulgens | 0.02 | 2 | 0.01 | |
| Raja leopardus, juvenile | 0.02 | 2 | 0.01 | |
| Howella sherborni | 0.02 | 2 | 0.01 | |
| Xenodermichthys copei | 0.01 | 2 | 0.00 | |
| Total | 285.13 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 115
DATE :10/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°41.29
start stop duration Lon E 15°23.57
TIME :10:25:02 10:55:17 30.3 (min) Purpose : 3
LOG : 5451.33 5452.87 1.6 Region : 6100
FDEPTH: 402 402 Gear cond.: 0
BDEPTH: 402 402 Validity : 0
Towing dir: 0° Wire out : 960 m Speed : 3.1 kn
Sorted : 233 Total catch: 233.42 Catch/hour: 462.99

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 122.98 | 226 | 26.56 | 1150 |
| Genypterus capensis | 105.12 | 65 | 22.71 | 1145 |
| Merluccius paradoxus | 83.31 | 167 | 17.99 | 1149 |
| Malacocephalus laevis | 47.60 | 1160 | 10.28 | |
| Lophius vomerinus | 24.79 | 18 | 5.36 | 1146 |
| Merluccius capensis | 11.31 | 4 | 2.44 | 1148 |
| Starfish | 9.92 | 0 | 2.14 | |
| Helicolenus dactylopterus | 9.92 | 34 | 2.14 | 1147 |
| Anemones, white | 7.74 | 81 | 1.67 | |
| J E L L Y F I S H | 5.36 | 0 | 1.16 | |
| Raja leopardus | 4.36 | 6 | 0.94 | |
| Malacocephalus laevis | 4.36 | 8 | 0.94 | 0 |
| Notacanthus sexspinis | 4.17 | 60 | 0.90 | |
| Raja confundens | 3.57 | 4 | 0.77 | |
| Bassanago albescens | 2.98 | 4 | 0.64 | |
| Holohalaelurus regani | 2.38 | 6 | 0.51 | |
| Lucigadus ori | 2.24 | 329 | 0.48 | |
| Anemones, pink | 1.98 | 34 | 0.43 | |
| Etmopterus brachyurus | 1.51 | 69 | 0.33 | |
| Cruriraja parcomaculata | 1.39 | 2 | 0.30 | |
| Photichthys argenteus | 0.89 | 63 | 0.19 | |
| Todarodes angolensis | 0.85 | 2 | 0.18 | 1151 |
| Mursia cristimanus | 0.77 | 91 | 0.17 | |
| Epigonus telescopus | 0.71 | 50 | 0.15 | |
| Whelks | 0.48 | 8 | 0.10 | |
| Myxine capensis | 0.39 | 4 | 0.08 | |
| Haliporoides triarthrus | 0.24 | 30 | 0.05 | |
| Paracallionymus costatus | 0.24 | 48 | 0.05 | |
| Hoplostethus mediterraneus | 0.23 | 2 | 0.05 | |
| Lycoteuthis lorigera | 0.18 | 8 | 0.04 | |
| Bathypolypus valdiviae | 0.13 | 2 | 0.03 | |
| Rossia enigmatica | 0.10 | 4 | 0.02 | |
| Chaceon maritae | 0.10 | 2 | 0.02 | |
| Selachophidium guentheri | 0.09 | 2 | 0.02 | |
| Bathynectes piperitus | 0.09 | 2 | 0.02 | |
| Tripterophycis gilchristi | 0.09 | 6 | 0.02 | |
| Coelorinchus braueri | 0.07 | 2 | 0.01 | |
| Physiculus capensis | 0.06 | 4 | 0.01 | |
| Exodromidia sp. | 0.05 | 2 | 0.01 | |
| Symbolophorus boops | 0.04 | 4 | 0.01 | |
| G A S T R O P O D S | 0.04 | 4 | 0.01 | |
| Aphrodite pol | 0.04 | 4 | 0.01 | |
| PARALEPIDIDAE | 0.03 | 2 | 0.01 | |
| Parapagurus pilosimanus | 0.03 | 2 | 0.01 | |
| Rochinia sp. | 0.02 | 2 | 0.00 | |
| MYCTOPHIDAE | 0.02 | 6 | 0.00 | |
| Raja confundens, juvenile | 0.01 | 2 | 0.00 | |
| Sepia sp. New SA | 0.01 | 2 | 0.00 | |
| Stoloteuthis sp. | 0.00 | 2 | 0.00 | |
| Total | 462.99 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 116
DATE :10/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°38.93
start stop duration Lon E 15°23.69
TIME :13:14:54 13:43:32 28.6 (min) Purpose : 3
LOG : 5468.25 5469.65 1.4 Region : 6100
FDEPTH: 344 358 Gear cond.: 0
BDEPTH: 344 358 Validity : 0
Towing dir: 0° Wire out : 750 m Speed : 2.9 kn
Sorted : 593 Total catch: 592.89 Catch/hour: 1242.96

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 352.20 | 797 | 28.34 | 1160 |
| Merluccius paradoxus | 343.82 | 780 | 27.66 | 1159 |
| Coelorinchus simorhynchus | 123.69 | 2474 | 9.95 | |
| Merluccius paradoxus | 119.50 | 75 | 9.61 | 1156 |
| Genypterus capensis | 56.60 | 48 | 4.55 | 1154 |
| Merluccius capensis | 48.22 | 23 | 3.88 | 1158 |
| Torpedo nobiliana | 36.69 | 2 | 2.95 | |
| Scyliorhinus capensis | 25.16 | 19 | 2.02 | |
| Helicolenus dactylopterus | 25.16 | 117 | 2.02 | 1155 |
| Merluccius paradoxus | 18.87 | 23 | 1.52 | 1157 |
| Lophius vomerinus | 10.48 | 8 | 0.84 | 1161 |
| Squalus mitsukurii | 10.48 | 8 | 0.84 | |
| PORIFERA (Sponges) | 9.22 | 6 | 0.74 | |
| Black sand dollar | 8.39 | 84 | 0.67 | |
| Malacocephalus laevis | 7.13 | 29 | 0.57 | |
| Starfish | 6.29 | 0 | 0.51 | |
| Parapagurus dimorphus | 5.87 | 587 | 0.47 | |
| Raja leopardus | 5.24 | 6 | 0.42 | |
| Coral, deep water | 4.49 | 0 | 0.36 | |
| Epigonus sp. | 4.19 | 48 | 0.34 | |
| Shark eggs | 4.19 | 2 | 0.34 | |
| Holohalaelurus regani | 4.19 | 0 | 0.34 | |
| J E L L Y F I S H | 3.14 | 0 | 0.25 | |
| Anemones, pink | 2.62 | 40 | 0.21 | |
| Todarodes angolensis | 1.89 | 2 | 0.15 | 1153 |
| Rossia enigmatica | 1.68 | 59 | 0.13 | |
| Paracallionymus costatus | 0.76 | 113 | 0.06 | |
| Mursia cristimanus | 0.61 | 75 | 0.05 | |
| Anemones, white | 0.52 | 2 | 0.04 | |
| Whelks | 0.42 | 8 | 0.03 | |
| CYPRAEIDAE (Bulia) | 0.31 | 2 | 0.03 | |
| Beryx splendens | 0.26 | 2 | 0.02 | |
| Lucigadus ori | 0.25 | 31 | 0.02 | |
| Photichthys argenteus | 0.13 | 17 | 0.01 | |
| Notacanthus sexspinis | 0.10 | 4 | 0.01 | |
| G A S T R O P O D S | 0.06 | 4 | 0.00 | |
| Mollusc eggs | 0.06 | 0 | 0.00 | |
| Tripterophycis gilchristi | 0.05 | 4 | 0.00 | |
| Etmopterus brachyurus, juvenile | 0.04 | 2 | 0.00 | |
| Total | 1242.96 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 117
DATE :10/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°30.65
start stop duration Lon E 15°24.77
TIME :15:21:06 15:51:43 30.5 (min) Purpose : 3
LOG : 5481.14 5482.72 1.6 Region : 6100
FDEPTH: 302 301 Gear cond.: 0
BDEPTH: 302 301 Validity : 0
Towing dir: 0° Wire out : 700 m Speed : 3.2 kn
Sorted : 214 Total catch: 771.53 Catch/hour: 1517.77

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 452.46 | 2597 | 29.81 | 1173 |
| Coelorinchus simorhynchus | 275.41 | 3722 | 18.15 | |
| Malacocephalus laevis | 275.41 | 531 | 18.15 | |
| Zeus capensis | 202.62 | 398 | 13.35 | 1165 |
| Merluccius capensis | 33.44 | 22 | 2.20 | 1170 |
| Thyrsites atun | 33.44 | 24 | 2.20 | 1167 |
| Epigonus telescopus | 29.51 | 728 | 1.94 | |
| Helicolenus dactylopterus | 25.97 | 209 | 1.71 | 1166 |
| Merluccius paradoxus | 24.59 | 24 | 1.62 | 1171 |
| Squalus mitsukurii | 19.67 | 14 | 1.30 | |
| Starfish | 19.67 | 0 | 1.30 | |
| Holohalaelurus regani | 18.69 | 59 | 1.23 | |
| Genypterus capensis | 17.70 | 26 | 1.17 | 1163 |
| J E L L Y F I S H | 17.31 | 0 | 1.14 | |
| Black sand dollar | 17.31 | 91 | 1.14 | |
| Merluccius paradoxus | 9.84 | 18 | 0.65 | 1172 |
| Anemones, pink | 9.84 | 79 | 0.65 | |
| Brown sand dollar | 7.08 | 334 | 0.47 | |
| Lophius vomerinus | 4.52 | 4 | 0.30 | 1164 |
| Raja straeleni | 3.93 | 2 | 0.26 | |
| Cynoglossus zanzibarensis | 3.93 | 138 | 0.26 | 1174 |
| Merluccius capensis | 3.15 | 2 | 0.21 | 1169 |
| Paracallionymus costatus | 3.11 | 413 | 0.20 | |
| Coral, deep water | 2.36 | 0 | 0.16 | |
| Beryx splendens | 2.32 | 20 | 0.15 | |
| Squalus acanthias | 1.97 | 2 | 0.13 | |
| Todarodes angolensis | 1.18 | 2 | 0.08 | 1168 |
| Tripterophycis gilchristi | 0.35 | 39 | 0.02 | |
| Todaropsis eblanae | 0.35 | 2 | 0.02 | 1175 |
| Rossia enigmatica | 0.27 | 12 | 0.02 | |
| Todaropsis eblanae | 0.24 | 2 | 0.02 | 1152 |
| Mursia cristimanus | 0.05 | 6 | 0.00 | |
| Parapagurus dimorphus | 0.05 | 2 | 0.00 | |
| Sepia sp. New SA | 0.01 | 2 | 0.00 | |
| Total | 1517.77 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 118
DATE :11/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°19.41
start stop duration Lon E 15°58.18
TIME :04:23:59 04:54:03 30.1 (min) Purpose : 3
LOG : 5545.77 5547.18 1.4 Region : 6100
FDEPTH: 228 233 Gear cond.: 0
BDEPTH: 228 233 Validity : 0
Towing dir: 0° Wire out : 570 m Speed : 2.8 kn
Sorted : 120 Total catch: 211.58 Catch/hour: 422.17

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Black sand dollar | 55.87 | 465 | 13.23 | |
| Lophius vomerinus | 53.87 | 44 | 12.76 | 1181 |
| Helicolenus dactylopterus | 47.89 | 443 | 11.34 | 1176 |
| Holohalaelurus regani | 37.03 | 136 | 8.77 | |
| Genypterus capensis | 25.94 | 34 | 6.14 | 1178 |
| Zeus capensis | 25.54 | 104 | 6.05 | 1186 |
| Coelorinchus simorhynchus | 24.74 | 279 | 5.86 | |
| Acanella arbuscula | 24.74 | 0 | 5.86 | |
| Merluccius capensis | 16.76 | 10 | 3.97 | 1180 |
| Anemones, red | 16.76 | 1048 | 3.97 | |
| Todaropsis eblanae | 11.17 | 208 | 2.65 | 1187 |
| Cynoglossus zanzibarensis | 10.38 | 192 | 2.46 | 1185 |
| Raja straeleni | 9.98 | 4 | 2.36 | |
| Merluccius paradoxus | 7.18 | 112 | 1.70 | 1184 |
| Paracallionymus costatus | 5.59 | 1802 | 1.32 | |
| Sepia australis | 4.90 | 355 | 1.16 | |
| Chelidonichthys capensis | 4.59 | 6 | 1.09 | 1177 |
| Helicolenus dactylopterus | 4.31 | 231 | 1.02 | 1188 |
| Callorhinchus capensis | 4.19 | 2 | 0.99 | |
| Squalus mitsukurii | 3.99 | 2 | 0.95 | |
| Merluccius paradoxus | 3.79 | 24 | 0.90 | 1183 |
| Chelidonichthys queketti | 3.39 | 20 | 0.80 | 1179 |
| Starfish | 3.03 | 0 | 0.72 | |
| Lepidopus caudatus | 2.79 | 24 | 0.66 | |
| Thyrsites atun | 2.39 | 2 | 0.57 | 1182 |
| Merluccius paradoxus | 2.08 | 335 | 0.49 | 1189 |
| Raja wallacei | 2.00 | 2 | 0.47 | |
| Trachurus capensis | 1.40 | 8 | 0.33 | 1190 |
| Exodromidia sp. | 1.04 | 48 | 0.25 | |
| Rossia enigmatica | 1.01 | 48 | 0.24 | |
| Gorgonians | 1.00 | 2 | 0.24 | |
| J E L L Y F I S H | 0.62 | 0 | 0.15 | |
| Pterygosquilla armata capensis | 0.54 | 96 | 0.13 | |
| CYPRAEIDAE (Bulia) | 0.53 | 16 | 0.13 | |
| Lolligoncula mercatoris | 0.26 | 104 | 0.06 | |
| Parapagurus dimorphus | 0.22 | 8 | 0.05 | |
| Brown sand dollar | 0.12 | 8 | 0.03 | |
| Sepia hieronis | 0.10 | 8 | 0.02 | |
| Goneplax angulata | 0.09 | 8 | 0.02 | |
| Mursia cristimanus | 0.08 | 8 | 0.02 | |
| Aphrodite pol | 0.08 | 8 | 0.02 | |
| G A S T R O P O D S | 0.08 | 8 | 0.02 | |
| Bathynectes piperitus | 0.07 | 8 | 0.02 | |
| Inioteuthis capensis | 0.03 | 16 | 0.01 | |
| Total | 422.17 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 119
DATE :11/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°15.51
start stop duration Lon E 16°5.72
TIME :06:27:57 06:58:09 30.2 (min) Purpose : 3
LOG : 5557.47 5558.90 1.4 Region : 6100
FDEPTH: 217 213 Gear cond.: 0
BDEPTH: 217 213 Validity : 0
Towing dir: 0° Wire out : 500 m Speed : 2.8 kn
Sorted : 103 Total catch: 156.69 Catch/hour: 311.41

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Black sand dollar | 79.89 | 799 | 25.66 | |
| Lophius vomerinus | 53.66 | 70 | 17.23 | 1193 |
| Helicolenus dactylopterus | 23.85 | 638 | 7.66 | 1202 |
| Holohalaelurus regani | 18.68 | 68 | 6.00 | |
| Merluccius capensis | 11.53 | 10 | 3.70 | 1198 |
| Chelidonichthys queketti | 11.13 | 66 | 3.57 | 1194 |
| Paracallionymus costatus | 10.14 | 1950 | 3.25 | |
| Raja straeleni | 9.94 | 8 | 3.19 | |
| PORIFERA (Sponges) | 9.94 | 2 | 3.19 | |
| Todaropsis eblanae | 9.84 | 250 | 3.16 | 1203 |
| J E L L Y F I S H | 8.94 | 0 | 2.87 | |
| Genypterus capensis | 6.76 | 26 | 2.17 | 1192 |
| Callorhinchus capensis | 6.56 | 2 | 2.11 | |
| Zeus capensis | 4.97 | 26 | 1.60 | 1195 |
| Cynoglossus zanzibarensis | 4.77 | 89 | 1.53 | 1204 |
| Trachurus capensis | 4.57 | 22 | 1.47 | 1197 |
| Coelorinchus simorhynchus | 4.41 | 72 | 1.42 | |
| Merluccius paradoxus | 3.97 | 70 | 1.28 | 1196 |
| Anemones, red | 2.98 | 107 | 0.96 | |
| Loligo reynaudi | 2.88 | 10 | 0.93 | 1199 |
| Starfish | 2.38 | 0 | 0.77 | |
| Squalus megalops | 2.38 | 4 | 0.77 | |
| Sepia australis | 2.06 | 167 | 0.66 | |
| Chelidonichthys capensis | 1.99 | 2 | 0.64 | 1191 |
| Congiopodus spinifer | 1.93 | 18 | 0.62 | |
| Merluccius paradoxus | 1.31 | 24 | 0.42 | 1205 |
| Bathypolypus valdiviae | 1.14 | 6 | 0.37 | |
| Raja wallacei | 0.99 | 2 | 0.32 | |
| Sea pens | 0.98 | 6 | 0.31 | |
| Emmelichthys nitidus | 0.98 | 6 | 0.31 | |
| Sepia hieronis | 0.92 | 24 | 0.29 | |
| Todarodes angolensis | 0.75 | 6 | 0.24 | 1206 |
| Trachurus capensis | 0.72 | 6 | 0.23 | 1207 |
| Lepidopus caudatus | 0.64 | 6 | 0.21 | |
| Rossia enigmatica | 0.58 | 48 | 0.19 | |
| Mursia cristimanus | 0.32 | 18 | 0.10 | |
| Lolligoncula mercatoris | 0.32 | 131 | 0.10 | |
| Brown sand dollar | 0.30 | 12 | 0.10 | |
| Pterygosquilla armata capensis | 0.28 | 60 | 0.09 | |
| Loligo reynaudi | 0.28 | 2 | 0.09 | 1200 |
| Merluccius paradoxus | 0.24 | 60 | 0.08 | 1201 |
| Macropipus australis | 0.13 | 6 | 0.04 | |
| CYPRAEIDAE (Bulia) | 0.09 | 6 | 0.03 | |
| Parapagurus dimorphus | 0.09 | 6 | 0.03 | |
| Sepia sp. New SA | 0.06 | 12 | 0.02 | |
| Zeus capensis | 0.05 | 6 | 0.02 | 1208 |
| Inioteuthis capensis | 0.03 | 12 | 0.01 | |
| C R A B S | 0.02 | 6 | 0.01 | |
| Trochiolse | 0.02 | 6 | 0.01 | |
| Maurolicus muelleri | 0.02 | 18 | 0.01 | |
| Total | 311.41 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 120
DATE :11/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°9.25
start stop duration Lon E 16°21.23
TIME :09:04:26 09:34:08 29.7 (min) Purpose : 3
LOG : 5575.22 5576.69 1.5 Region : 6100
FDEPTH: 191 188 Gear cond.: 0
BDEPTH: 191 188 Validity : 0
Towing dir: 0° Wire out : 450 m Speed : 3.0 kn
Sorted : 131 Total catch: 198.63 Catch/hour: 401.14

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius capensis | 75.53 | 125 | 18.83 | 1209 |
| J E L L Y F I S H | 72.70 | 0 | 18.12 | |
| Chelidonichthys capensis | 42.41 | 103 | 10.57 | 1214 |
| Merluccius paradoxus | 36.35 | 691 | 9.06 | 1218 |
| Lophius vomerinus | 26.25 | 44 | 6.54 | 1216 |
| Paracallionymus costatus | 16.36 | 2442 | 4.08 | |
| Black sand dollar | 15.15 | 85 | 3.78 | |
| Helicolenus dactylopterus | 13.33 | 557 | 3.32 | 1219 |
| Raja straeleni | 12.72 | 10 | 3.17 | |
| Todaropsis eblanae | 10.30 | 261 | 2.57 | 1220 |
| Brama brama | 9.29 | 4 | 2.32 | 1210 |
| Etrumeus whiteheadi | 9.09 | 103 | 2.27 | |
| Holohalaelurus regani | 8.48 | 36 | 2.11 | |
| Genypterus capensis | 6.46 | 40 | 1.61 | 1212 |
| Chelidonichthys queketti | 5.25 | 24 | 1.31 | 1215 |
| Merluccius paradoxus | 5.15 | 509 | 1.28 | 1221 |
| Sepia australis | 5.09 | 398 | 1.27 | |
| Merluccius paradoxus | 4.64 | 12 | 1.16 | 1213 |
| Raja wallacei | 4.44 | 4 | 1.11 | |
| Lepidopus caudatus | 4.44 | 10 | 1.11 | |
| Cynoglossus zanzibarensis | 2.79 | 48 | 0.69 | 1223 |
| Starfish | 2.12 | 0 | 0.53 | |
| Thyrsites atun | 2.02 | 2 | 0.50 | 1211 |
| Anemones, red | 2.01 | 18 | 0.50 | |
| Whelks | 1.54 | 30 | 0.39 | |
| Todarodes angolensis | 1.41 | 2 | 0.35 | 1217 |
| Loligo reynaudi | 1.19 | 6 | 0.30 | 1224 |
| Congiopodus spinifer | 0.97 | 6 | 0.24 | |
| Zeus capensis | 0.97 | 18 | 0.24 | 1222 |
| Sepia hieronis | 0.70 | 24 | 0.18 | |
| Echinus gilchristi ? | 0.65 | 6 | 0.16 | |
| Lolligoncula mercatoris | 0.31 | 127 | 0.08 | |
| Coelorinchus simorhynchus | 0.25 | 6 | 0.06 | |
| CYPRAEIDAE (Bulia) | 0.25 | 12 | 0.06 | |
| Mursia cristimanus | 0.15 | 6 | 0.04 | |
| Emmelichthys nitidus | 0.12 | 6 | 0.03 | |
| Rossia enigmatica | 0.09 | 6 | 0.02 | |
| Pterygosquilla armata capensis | 0.07 | 6 | 0.02 | |
| Lophius vomerinus | 0.05 | 6 | 0.01 | 1225 |
| Rochinia sp. | 0.02 | 6 | 0.01 | |
| Total | 401.14 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 121
DATE :11/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°0.83
start stop duration Lon E 16°30.53
TIME :11:25:55 11:56:02 30.1 (min) Purpose : 3
LOG : 5589.33 5590.71 1.4 Region : 6100
FDEPTH: 179 178 Gear cond.: 0
BDEPTH: 179 178 Validity : 0
Towing dir: 0° Wire out : 420 m Speed : 2.7 kn
Sorted : 176 Total catch: 707.99 Catch/hour: 1410.34

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| J E L L Y F I S H | 926.29 | 0 | 65.68 | |
| Lophius vomerinus | 115.54 | 438 | 8.19 | 1233 |
| Etrumeus whiteheadi | 89.64 | 1195 | 6.36 | |
| Merluccius paradoxus | 59.76 | 1066 | 4.24 | 1230 |
| Yellow sponges | 39.84 | 0 | 2.82 | |
| Merluccius capensis | 21.91 | 48 | 1.55 | 1229 |
| Brown sand dollar | 19.92 | 664 | 1.41 | |
| Sepia australis | 19.92 | 0 | 1.41 | |
| Todaropsis eblanae | 18.92 | 309 | 1.34 | 1231 |
| Paracallionymus costatus | 17.63 | 1325 | 1.25 | |
| Chelidonichthys capensis | 14.94 | 34 | 1.06 | 1226 |
| Black sand dollar | 9.96 | 70 | 0.71 | |
| Helicolenus dactylopterus | 9.96 | 886 | 0.71 | 1232 |
| Brama brama | 8.76 | 4 | 0.62 | 1227 |
| Raja straeleni | 5.98 | 2 | 0.42 | |
| Genypterus capensis | 5.98 | 40 | 0.42 | 1235 |
| Merluccius paradoxus | 4.78 | 309 | 0.34 | 1234 |
| Todarodes angolensis | 3.65 | 10 | 0.26 | 1236 |
| Lepidopus caudatus | 3.59 | 2 | 0.25 | |
| Holohalaelurus regani | 2.47 | 30 | 0.18 | |
| Sepia australis | 2.15 | 110 | 0.15 | 0 |
| Raja wallacei | 1.69 | 2 | 0.12 | |
| Coelorinchus simorhynchus | 1.35 | 20 | 0.10 | |
| Whelks | 1.27 | 10 | 0.09 | |
| Maurolicus muelleri | 1.00 | 0 | 0.07 | |
| Sepia hieronis | 0.91 | 20 | 0.06 | |
| Starfish | 0.63 | 0 | 0.04 | |
| Cynoglossus zanzibarensis | 0.50 | 20 | 0.04 | 1228 |
| CYPRAEIDAE (Bulia) | 0.44 | 10 | 0.03 | |
| Macropipus australis | 0.41 | 0 | 0.03 | |
| Congiopodus spinifer | 0.19 | 10 | 0.01 | |
| Emmelichthys nitidus | 0.17 | 10 | 0.01 | |
| Pterygosquilla armata capensis | 0.09 | 10 | 0.01 | |
| Exodromidia sp. | 0.05 | 10 | 0.00 | |
| Amalda obtusa | 0.05 | 10 | 0.00 | |
| Total | 1410.34 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 122
DATE :11/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°54.61
start stop duration Lon E 16°40.41
TIME :13:36:52 14:07:11 30.3 (min) Purpose : 3
LOG : 5602.78 5604.24 1.5 Region : 6100
FDEPTH: 157 157 Gear cond.: 0
BDEPTH: 157 157 Validity : 0
Towing dir: 0° Wire out : 350 m Speed : 2.9 kn
Sorted : 205 Total catch: 358.16 Catch/hour: 708.76

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| J E L L Y F I S H | 173.65 | 0 | 24.50 | |
| Etrumeus whiteheadi | 167.22 | 2787 | 23.59 | |
| Galeorhinus galeus, female | 100.92 | 6 | 14.24 | |
| Callorhinchus capensis | 38.19 | 14 | 5.39 | |
| Merluccius capensis | 35.62 | 127 | 5.03 | 1242 |
| Helicolenus dactylopterus | 27.66 | 2803 | 3.90 | 1243 |
| Galeorhinus galeus, male | 25.73 | 2 | 3.63 | |
| Yellow sponges | 23.75 | 0 | 3.35 | |
| Lophius vomerinus | 22.16 | 67 | 3.13 | 1237 |
| Sepia australis | 20.58 | 980 | 2.90 | |
| Chelidonichthys capensis | 16.82 | 53 | 2.37 | 1239 |
| Pterygosquilla armata capensis | 9.65 | 742 | 1.36 | |
| Merluccius paradoxus | 6.43 | 270 | 0.91 | 1245 |
| Lophius vomerinus | 6.43 | 84 | 0.91 | 1244 |
| Coelorinchus simorhynchus | 6.43 | 174 | 0.91 | |
| Paracallionymus costatus | 4.63 | 437 | 0.65 | |
| Todaropsis eblanae | 4.18 | 96 | 0.59 | 1247 |
| Genypterus capensis | 3.36 | 42 | 0.47 | 1241 |
| Macropipus australis | 3.22 | 97 | 0.45 | |
| Thyrsites atun | 2.77 | 2 | 0.39 | 1238 |
| Sepia hieronis | 2.44 | 45 | 0.34 | |
| Lepidopus caudatus | 1.84 | 45 | 0.26 | |
| Merluccius paradoxus | 1.67 | 135 | 0.24 | 1246 |
| Octopus vulgaris | 1.00 | 7 | 0.14 | |
| Starfish | 0.64 | 0 | 0.09 | |
| Holohalaelurus regani | 0.49 | 26 | 0.07 | |
| Cynoglossus zanzibarensis | 0.35 | 13 | 0.05 | 1248 |
| Chelidonichthys queketti | 0.32 | 2 | 0.04 | 1240 |
| Genypterus capensis | 0.25 | 13 | 0.04 | 1249 |
| CYPRAEIDAE (Bulia) | 0.17 | 6 | 0.02 | |
| G A S T R O P O D S | 0.07 | 7 | 0.01 | |
| Amalda obtusa | 0.04 | 6 | 0.01 | |
| Sufflogobius bibarbatus | 0.04 | 6 | 0.01 | |
| Lolligoncula mercatoris | 0.02 | 7 | 0.00 | |
| Sepia australis eggs | 0.01 | 7 | 0.00 | |
| Total | 708.76 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 123
DATE :11/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°36.04
start stop duration Lon E 16°36.03
TIME :16:09:11 16:39:21 30.2 (min) Purpose : 3
LOG : 5621.74 5623.10 1.4 Region : 6100
FDEPTH: 149 149 Gear cond.: 0
BDEPTH: 149 149 Validity : 0
Towing dir: 0° Wire out : 350 m Speed : 2.7 kn
Sorted : 219 Total catch: 530.42 Catch/hour: 1054.86

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Etrumeus whiteheadi | 437.52 | 7292 | 41.48 | |
| J E L L Y F I S H | 153.13 | 0 | 14.52 | |
| Thyrsites atun | 115.35 | 72 | 10.93 | 1252 |
| Merluccius capensis | 91.48 | 420 | 8.67 | 1250 |
| Pterygosquilla armata capensis | 72.19 | 5157 | 6.84 | |
| Chelidonichthys capensis | 43.75 | 179 | 4.15 | 1251 |
| Yellow sponges | 39.77 | 0 | 3.77 | |
| Sepia australis | 16.41 | 75 | 1.56 | |
| SALPS | 15.31 | 0 | 1.45 | |
| Merluccius paradoxus | 12.03 | 208 | 1.14 | 1253 |
| Macropipus australis | 8.53 | 317 | 0.81 | |
| Raja straeleni | 7.16 | 2 | 0.68 | |
| Genypterus capensis | 6.89 | 120 | 0.65 | 1256 |
| Cynoglossus zanzibarensis | 6.23 | 109 | 0.59 | 1257 |
| Merluccius capensis | 5.47 | 33 | 0.52 | 1254 |
| Lophius vomerinus | 3.61 | 33 | 0.34 | 1258 |
| Exodromidia sp. | 3.28 | 295 | 0.31 | |
| Paracallionymus costatus | 2.84 | 263 | 0.27 | |
| Todaropsis eblanae | 2.73 | 66 | 0.26 | 1255 |
| Nudibranchs | 2.16 | 120 | 0.20 | |
| Whelks | 2.09 | 33 | 0.20 | |
| Sepia hieronis | 2.03 | 55 | 0.19 | |
| Starfish | 1.42 | 0 | 0.13 | |
| Sardinops ocellatus | 1.02 | 11 | 0.10 | |
| CYPRAEIDAE (Bulia) | 0.78 | 44 | 0.07 | |
| Sufflogobius bibarbatus | 0.78 | 110 | 0.07 | |
| Helicolenus dactylopterus | 0.34 | 33 | 0.03 | 1259 |
| Merluccius paradoxus | 0.15 | 22 | 0.01 | 1260 |
| Brown sand dollar | 0.13 | 22 | 0.01 | |
| G A S T R O P O D S | 0.13 | 11 | 0.01 | |
| Holohalaelurus regani | 0.13 | 2 | 0.01 | |
| Total | 1054.87 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 124
DATE :12/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°42.43
start stop duration Lon E 16°21.26
TIME :04:24:20 04:46:05 21.8 (min) Purpose : 3
LOG : 5686.51 5687.65 1.1 Region : 6100
FDEPTH: 168 168 Gear cond.: 0
BDEPTH: 168 168 Validity : 0
Towing dir: 0° Wire out : 410 m Speed : 3.1 kn
Sorted : 236 Total catch: 376.17 Catch/hour: 1037.71

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Yellow sponges | 441.38 | 0 | 42.53 | |
| Merluccius paradoxus | 151.72 | 3862 | 14.62 | 1266 |
| Sepia australis | 78.62 | 4050 | 7.58 | |
| Etrumeus whiteheadi | 75.86 | 1204 | 7.31 | |
| Merluccius capensis | 74.48 | 174 | 7.18 | 1265 |
| J E L L Y F I S H | 48.28 | 0 | 4.65 | |
| Paracallionymus costatus | 28.28 | 1652 | 2.72 | |
| Helicolenus dactylopterus | 22.07 | 1531 | 2.13 | 1268 |
| Lophius vomerinus | 16.55 | 55 | 1.60 | 1261 |
| Genypterus capensis | 13.10 | 138 | 1.26 | 1270 |
| Chelidonichthys capensis | 12.69 | 30 | 1.22 | 1262 |
| Raja straeleni | 11.03 | 3 | 1.06 | |
| Thyrsites atun | 11.03 | 6 | 1.06 | 1263 |
| Merluccius paradoxus | 10.34 | 648 | 1.00 | 1267 |
| Lophius vomerinus | 5.66 | 28 | 0.54 | 1272 |
| SALPS | 5.52 | 0 | 0.53 | |
| Coelorinchus simorhynchus | 4.97 | 221 | 0.48 | |
| Cynoglossus zanzibarensis | 3.59 | 69 | 0.35 | 1271 |
| Lepidopus caudatus | 3.45 | 41 | 0.33 | |
| Pterygosquilla armata capensis | 3.34 | 317 | 0.32 | |
| Macropipus australis | 2.88 | 3 | 0.28 | |
| Todaropsis eblanae | 2.34 | 55 | 0.23 | 1269 |
| Black sand dollar | 2.19 | 41 | 0.21 | |
| Holohalaelurus regani | 1.61 | 69 | 0.16 | |
| Zeus capensis | 1.61 | 41 | 0.16 | 1273 |
| Starfish | 1.13 | 0 | 0.11 | |
| Trachurus capensis | 0.83 | 3 | 0.08 | 1264 |
| Sepia hieronis | 0.77 | 28 | 0.07 | |
| Congiopodus spinifer | 0.74 | 14 | 0.07 | |
| Maurolicus muelleri | 0.69 | 0 | 0.07 | |
| Exodromidia sp. | 0.61 | 41 | 0.06 | |
| Mursia cristimanus | 0.33 | 14 | 0.03 | |
| Total | 1037.71 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 125
DATE :12/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°50.22
start stop duration Lon E 16°10.93
TIME :06:24:17 06:54:52 30.6 (min) Purpose : 3
LOG : 5700.88 5702.52 1.7 Region : 6100
FDEPTH: 183 183 Gear cond.: 0
BDEPTH: 183 183 Validity : 0
Towing dir: 0° Wire out : 450 m Speed : 3.2 kn
Sorted : 158 Total catch: 328.63 Catch/hour: 644.80

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Etrumeus whiteheadi | 147.65 | 2461 | 22.90 | |
| Merluccius paradoxus | 103.01 | 2154 | 15.98 | 1281 |
| J E L L Y F I S H | 103.01 | 0 | 15.98 | |
| Chelidonichthys capensis | 72.60 | 167 | 11.26 | 1274 |
| Merluccius capensis | 45.13 | 86 | 7.00 | 1277 |
| Lophius vomerinus | 33.36 | 78 | 5.17 | 1276 |
| Paracallionymus costatus | 28.84 | 1487 | 4.47 | |
| Merluccius paradoxus | 28.02 | 2270 | 4.35 | 1286 |
| Sepia australis | 20.60 | 1062 | 3.20 | |
| Yellow sponges | 9.81 | 0 | 1.52 | |
| Black sand dollar | 8.24 | 8 | 1.28 | |
| SALPS | 5.49 | 0 | 0.85 | |
| Thyrsites atun | 4.91 | 4 | 0.76 | 1275 |
| Cynoglossus zanzibarensis | 4.81 | 124 | 0.75 | 1285 |
| Holohalaelurus regani | 4.12 | 34 | 0.64 | |
| Raja straeleni | 3.73 | 2 | 0.58 | |
| Brown sand dollar | 3.43 | 96 | 0.53 | |
| Helicolenus dactylopterus | 3.09 | 206 | 0.48 | 1280 |
| Todarodes angolensis | 2.35 | 4 | 0.37 | 1278 |
| Starfish | 2.11 | 0 | 0.33 | |
| Todaropsis eblanae | 1.72 | 48 | 0.27 | 1282 |
| Genypterus capensis | 1.51 | 14 | 0.23 | 1284 |
| Zeus capensis | 1.24 | 34 | 0.19 | 1283 |
| Todarodes angolensis | 1.18 | 2 | 0.18 | 1279 |
| Pterygosquilla armata capensis | 1.07 | 117 | 0.17 | |
| Lepidopus caudatus | 0.98 | 21 | 0.15 | |
| Macropipus australis | 0.84 | 21 | 0.13 | |
| Chelidonichthys queketti | 0.67 | 7 | 0.10 | 1287 |
| Sepia hieronis | 0.60 | 27 | 0.09 | |
| Whelks | 0.54 | 7 | 0.08 | |
| Emmelichthys nitidus | 0.11 | 7 | 0.02 | |
| Mollusc eggs | 0.05 | 0 | 0.01 | |
| Total | 644.80 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 126
DATE :12/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°58.42
start stop duration Lon E 15°56.30
TIME :09:13:08 09:43:20 30.2 (min) Purpose : 3
LOG : 5718.98 5720.52 1.5 Region : 6100
FDEPTH: 196 196 Gear cond.: 0
BDEPTH: 196 196 Validity : 0
Towing dir: 0° Wire out : 450 m Speed : 3.0 kn
Sorted : 117 Total catch: 323.38 Catch/hour: 642.26

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 253.23 | 5746 | 39.43 | 1298 |
| Black sand dollar | 59.09 | 537 | 9.20 | |
| Helicolenus dactylopterus | 50.65 | 506 | 7.89 | 1299 |
| Merluccius paradoxus | 39.67 | 4073 | 6.18 | 1300 |
| Sepia australis | 25.32 | 1904 | 3.94 | |
| Merluccius capensis | 22.84 | 46 | 3.56 | 1293 |
| Chelidonichthys capensis | 21.85 | 40 | 3.40 | 1291 |
| Holohalaelurus regani | 19.41 | 84 | 3.02 | |
| Coelorinchus simorhynchus | 19.36 | 0 | 3.02 | |
| J E L L Y F I S H | 17.73 | 0 | 2.76 | |
| Lophius vomerinus | 13.90 | 16 | 2.16 | 1288 |
| Etrumeus whiteheadi | 12.66 | 152 | 1.97 | |
| Anemones, red | 11.82 | 338 | 1.84 | |
| Brama brama | 8.74 | 6 | 1.36 | 1294 |
| Emmelichthys nitidus | 7.94 | 8 | 1.24 | |
| Cynoglossus zanzibarensis | 7.60 | 101 | 1.18 | 1301 |
| Starfish yellow | 6.55 | 6 | 1.02 | |
| Chelidonichthys queketti | 5.36 | 38 | 0.83 | 1292 |
| Starfish | 4.71 | 0 | 0.73 | |
| Soft corals | 4.22 | 0 | 0.66 | |
| Anemones, pink | 4.22 | 17 | 0.66 | |
| Whelks | 3.47 | 59 | 0.54 | |
| Todaropsis eblanae | 3.38 | 135 | 0.53 | 1302 |
| Raja straeleni | 3.18 | 2 | 0.49 | |
| Todarodes angolensis | 2.98 | 4 | 0.46 | 1297 |
| Genypterus capensis | 2.58 | 10 | 0.40 | 1290 |
| Paracallionymus costatus | 2.23 | 328 | 0.35 | |
| Thyrsites atun | 1.79 | 2 | 0.28 | 1289 |
| Loligo reynaudi | 1.39 | 4 | 0.22 | 1296 |
| Lepidopus caudatus | 0.84 | 9 | 0.13 | |
| Mursia cristimanus | 0.82 | 51 | 0.13 | |
| Zeus capensis | 0.81 | 17 | 0.13 | 1303 |
| Merluccius paradoxus | 0.60 | 2 | 0.09 | 1295 |
| Macropipus australis | 0.43 | 17 | 0.07 | |
| Congiopodus spinifer | 0.40 | 2 | 0.06 | |
| CYPRAEIDAE (Bulia) | 0.32 | 17 | 0.05 | |
| Rossia enigmatica | 0.19 | 8 | 0.03 | |
| Total | 642.26 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 127
DATE :12/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°4.23
start stop duration Lon E 15°40.92
TIME :11:53:40 12:24:02 30.4 (min) Purpose : 3
LOG : 5736.80 5738.30 1.5 Region : 6100
FDEPTH: 217 212 Gear cond.: 0
BDEPTH: 217 212 Validity : 0
Towing dir: 0° Wire out : 520 m Speed : 3.0 kn
Sorted : 129 Total catch: 171.74 Catch/hour: 339.30

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 59.27 | 1026 | 17.47 | 1308 |
| Black sand dollar | 35.56 | 395 | 10.48 | |
| Lophius vomerinus | 33.59 | 28 | 9.90 | 1306 |
| Merluccius capensis | 26.28 | 20 | 7.74 | 1311 |
| J E L L Y F I S H | 19.76 | 0 | 5.82 | |
| Mustelus palumbes | 16.20 | 8 | 4.77 | |
| Chelidonichthys capensis | 15.81 | 26 | 4.66 | 1304 |
| Helicolenus dactylopterus | 14.82 | 178 | 4.37 | 1305 |
| Merluccius capensis | 12.84 | 12 | 3.78 | 1312 |
| Coelorinchus simorhynchus | 10.87 | 95 | 3.20 | |
| Chelidonichthys queketti | 9.29 | 73 | 2.74 | 1307 |
| Holohalaelurus regani | 9.09 | 38 | 2.68 | |
| Raja straeleni | 7.90 | 6 | 2.33 | |
| Cynoglossus zanzibarensis | 7.11 | 138 | 2.10 | 1313 |
| Thyrsites atun | 7.11 | 6 | 2.10 | 1310 |
| Squalus mitsukurii | 6.72 | 8 | 1.98 | |
| Zeus capensis | 5.53 | 43 | 1.63 | 1314 |
| Callorhinchus capensis | 4.35 | 2 | 1.28 | |
| Merluccius paradoxus | 4.35 | 466 | 1.28 | 1317 |
| Loligo reynaudi | 3.79 | 12 | 1.12 | 1318 |
| Anemones, red | 3.56 | 178 | 1.05 | |
| Todaropsis eblanae | 3.56 | 79 | 1.05 | 1315 |
| Paracallionymus costatus | 3.56 | 684 | 1.05 | |
| Raja wallacei | 2.57 | 2 | 0.76 | |
| Anemones, pink | 2.37 | 16 | 0.70 | |
| Lepidopus caudatus | 2.37 | 12 | 0.70 | |
| Sepia australis | 2.37 | 252 | 0.70 | |
| Emmelichthys nitidus | 1.98 | 0 | 0.58 | |
| Helicolenus dactylopterus | 1.98 | 154 | 0.58 | 1316 |
| Congiopodus spinifer | 1.58 | 12 | 0.47 | |
| Starfish | 0.99 | 0 | 0.29 | |
| Whelks | 0.79 | 20 | 0.23 | |
| Genypterus capensis | 0.49 | 2 | 0.15 | 1309 |
| Rossia enigmatica | 0.22 | 24 | 0.07 | |
| CYPRAEIDAE (Bulia) | 0.21 | 16 | 0.06 | |
| Notopogon macrosolen | 0.19 | 2 | 0.06 | |
| Sepia hieronis | 0.11 | 4 | 0.03 | |
| Lolligoncula mercatoris | 0.11 | 40 | 0.03 | |
| Mursia cristimanus | 0.06 | 4 | 0.02 | |
| Pterygosquilla armata capensis | 0.03 | 4 | 0.01 | |
| Sepia sp. New SA | 0.01 | 4 | 0.00 | |
| Total | 339.30 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 128
DATE :12/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°5.12
start stop duration Lon E 15°34.42
TIME :13:40:03 14:11:13 31.2 (min) Purpose : 3
LOG : 5744.86 5746.40 1.5 Region : 6100
FDEPTH: 214 222 Gear cond.: 0
BDEPTH: 214 222 Validity : 0
Towing dir: 0° Wire out : 480 m Speed : 2.9 kn
Sorted : 98 Total catch: 129.57 Catch/hour: 249.33

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Helicolenus dactylopterus | 39.93 | 794 | 16.01 | 1323 |
| Lophius vomerinus | 30.79 | 21 | 12.35 | 1319 |
| Black sand dollar | 28.86 | 304 | 11.58 | |
| Mustelus palumbes | 26.94 | 15 | 10.80 | |
| Merluccius capensis | 18.28 | 12 | 7.33 | 1326 |
| Brama brama | 15.39 | 10 | 6.17 | 1320 |
| Raja straeleni | 13.47 | 10 | 5.40 | |
| Emmelichthys nitidus | 11.55 | 361 | 4.63 | |
| Chelidonichthys queketti | 7.70 | 48 | 3.09 | 1321 |
| Zeus capensis | 7.70 | 29 | 3.09 | 1324 |
| Chelidonichthys capensis | 6.93 | 10 | 2.78 | 1322 |
| Squalus mitsukurii | 6.35 | 4 | 2.55 | |
| SALPS | 4.81 | 0 | 1.93 | |
| Squalus megalops | 4.62 | 10 | 1.85 | |
| Thyrsites atun | 3.85 | 2 | 1.54 | 1325 |
| Congiopodus spinifer | 2.31 | 17 | 0.93 | |
| Todarodes angolensis | 2.12 | 2 | 0.85 | 1342 |
| Cynoglossus zanzibarensis | 2.02 | 58 | 0.81 | 1327 |
| Genypterus capensis | 1.92 | 5 | 0.77 | 1329 |
| Merluccius paradoxus | 1.73 | 380 | 0.69 | 1330 |
| Todaropsis eblanae | 1.68 | 43 | 0.68 | 1328 |
| Torpedo nobiliana | 1.54 | 2 | 0.62 | |
| Sepia australis | 1.44 | 135 | 0.58 | |
| Lepidopus caudatus | 1.44 | 10 | 0.58 | |
| Anemones, red | 1.35 | 115 | 0.54 | |
| Coelorinchus simorhynchus | 1.20 | 10 | 0.48 | |
| Paracallionymus costatus | 1.20 | 219 | 0.48 | |
| Holohalaelurus regani | 0.96 | 4 | 0.39 | |
| Starfish | 0.60 | 0 | 0.24 | |
| Whelks | 0.37 | 10 | 0.15 | |
| Sepia hieronis | 0.23 | 10 | 0.09 | |
| Pterygosquilla armata capensis | 0.02 | 5 | 0.01 | |
| Sepia typica | 0.02 | 5 | 0.01 | |
| Total | 249.33 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 129
DATE :12/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°10.96
start stop duration Lon E 15°27.24
TIME :15:37:09 16:07:13 30.1 (min) Purpose : 3
LOG : 5755.13 5756.60 1.5 Region : 6100
FDEPTH: 243 241 Gear cond.: 0
BDEPTH: 243 241 Validity : 0
Towing dir: 0° Wire out : 550 m Speed : 2.9 kn
Sorted : 131 Total catch: 330.60 Catch/hour: 659.66

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Emmelichthys nitidus | 251.41 | 12571 | 38.11 | |
| Lepidopus caudatus | 97.77 | 543 | 14.82 | |
| Squalus mitsukurii | 75.82 | 82 | 11.49 | |
| Zeus capensis | 52.68 | 239 | 7.99 | 1341 |
| Thyrsites atun | 29.93 | 24 | 4.54 | 1336 |
| Helicolenus dactylopterus | 27.54 | 479 | 4.17 | 1338 |
| Merluccius capensis | 17.96 | 12 | 2.72 | 1335 |
| Callorhinchus capensis | 15.96 | 6 | 2.42 | |
| Acanella arbuscula | 14.37 | 0 | 2.18 | |
| Black sand dollar | 11.97 | 156 | 1.81 | |
| Yellow sponges | 11.97 | 0 | 1.81 | |
| Chelidonichthys queketti | 11.17 | 78 | 1.69 | 1334 |
| Chelidonichthys capensis | 7.98 | 6 | 1.21 | 1332 |
| Lophius vomerinus | 5.99 | 10 | 0.91 | 1333 |
| Raja wallacei | 5.39 | 2 | 0.82 | |
| Mustelus palumbes | 4.79 | 2 | 0.73 | |
| Genypterus capensis | 3.99 | 6 | 0.60 | 1331 |
| Cynoglossus zanzibarensis | 3.11 | 72 | 0.47 | 1340 |
| J E L L Y F I S H | 2.39 | 0 | 0.36 | |
| Todaropsis eblanae | 2.39 | 48 | 0.36 | 1339 |
| Paracallionymus costatus | 1.32 | 239 | 0.20 | |
| Coelorinchus simorhynchus | 1.02 | 39 | 0.15 | |
| Gorgonians | 0.60 | 2 | 0.09 | |
| Loligo reynaudi | 0.60 | 2 | 0.09 | 1337 |
| Starfish | 0.56 | 0 | 0.09 | |
| Congiopodus spinifer | 0.49 | 12 | 0.07 | |
| Sepia australis | 0.31 | 24 | 0.05 | |
| CYPRAEIDAE (Bulia) | 0.17 | 12 | 0.03 | |
| Total | 659.66 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 130
DATE :13/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 30°21.42
start stop duration Lon E 15°7.37
TIME :04:41:44 05:11:47 30.0 (min) Purpose : 3
LOG : 5844.40 5845.80 1.4 Region : 6100
FDEPTH: 412 413 Gear cond.: 0
BDEPTH: 412 413 Validity : 0
Towing dir: 0° Wire out : 860 m Speed : 2.8 kn
Sorted : 231 Total catch: 260.47 Catch/hour: 520.25

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 233.69 | 892 | 44.92 | 1347 |
| Merluccius paradoxus | 41.94 | 28 | 8.06 | 1346 |
| Helicolenus dactylopterus | 39.95 | 164 | 7.68 | 1348 |
| Epigonus telescopus | 39.95 | 1140 | 7.68 | |
| Bassanago albescens | 30.96 | 46 | 5.95 | |
| Coelorinchus simorhynchus | 19.97 | 266 | 3.84 | |
| Parapagurus pilosimanus | 18.38 | 763 | 3.53 | |
| Malacocephalus laevis | 15.98 | 38 | 3.07 | |
| Genypterus capensis | 15.98 | 6 | 3.07 | 1343 |
| Starfish | 14.78 | 0 | 2.84 | |
| Lophius vomerinus | 8.99 | 8 | 1.73 | 1344 |
| Beryx splendens | 5.99 | 36 | 1.15 | 1349 |
| Anemones, white | 5.99 | 172 | 1.15 | |
| Notacanthus sexspinis | 4.39 | 32 | 0.84 | |
| Merluccius paradoxus | 3.00 | 4 | 0.58 | 1345 |
| Todarodes angolensis | 3.00 | 4 | 0.58 | 1352 |
| Epigonus telescopus | 2.94 | 4 | 0.57 | 1354 |
| Brama brama | 2.00 | 8 | 0.38 | 1350 |
| J E L L Y F I S H | 1.60 | 0 | 0.31 | |
| Rossia enigmatica | 1.60 | 56 | 0.31 | |
| Holohalaelurus regani | 1.59 | 4 | 0.30 | |
| Todarodes angolensis | 1.40 | 2 | 0.27 | 1351 |
| PORIFERA (Sponges) | 1.32 | 44 | 0.25 | |
| Todaropsis eblanae | 0.93 | 4 | 0.18 | 1353 |
| Whelks | 0.59 | 16 | 0.11 | |
| Tripterophycis gilchristi | 0.52 | 32 | 0.10 | |
| Hoplostethus mediterraneus | 0.41 | 4 | 0.08 | |
| G A S T R O P O D S | 0.40 | 44 | 0.08 | |
| Lucigadus ori | 0.38 | 60 | 0.07 | |
| Anemones, red | 0.27 | 4 | 0.05 | |
| CYPRAEIDAE (Bulia) | 0.22 | 8 | 0.04 | |
| Lycoteuthis lorigera | 0.21 | 8 | 0.04 | |
| Sepia hieronis | 0.19 | 4 | 0.04 | |
| Paracallionymus costatus | 0.18 | 36 | 0.03 | |
| Selachophidium guentheri | 0.12 | 4 | 0.02 | |
| Champsodon capensis | 0.10 | 8 | 0.02 | |
| Amalda obtusa | 0.08 | 20 | 0.02 | |
| Mursia cristimanus | 0.08 | 8 | 0.01 | |
| Cone gastropod | 0.06 | 4 | 0.01 | |
| Sepia sp. New SA | 0.05 | 12 | 0.01 | |
| Stereomastis sp. | 0.04 | 12 | 0.01 | |
| Aphrodite pol | 0.04 | 4 | 0.01 | |
| Chlorophthalmus punctatus | 0.02 | 4 | 0.00 | |
| Exodromidia sp. | 0.01 | 4 | 0.00 | |
| Total | 520.25 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 131
DATE :13/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 30°25.12
start stop duration Lon E 15°0.94
TIME :06:29:09 07:00:03 30.9 (min) Purpose : 3
LOG : 5853.55 5855.10 1.6 Region : 6100
FDEPTH: 532 534 Gear cond.: 0
BDEPTH: 532 534 Validity : 0
Towing dir: 0° Wire out : 1050 m Speed : 3.0 kn
Sorted : 407 Total catch: 407.04 Catch/hour: 790.63

| SPECIES | CATCH/HOUR weight | CATCH/HOUR numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Oreosoma atlanticum | 322.43 | 1997 | 40.78 | 1357 |
| Merluccius paradoxus | 170.93 | 212 | 21.62 | 1360 |
| Helicolenus dactylopterus | 96.15 | 396 | 12.16 | 1358 |
| Merluccius paradoxus | 62.16 | 111 | 7.86 | 1359 |
| Chaceon maritae | 21.37 | 268 | 2.70 | |
| Ruvettus pretiosus | 18.45 | 2 | 2.33 | |
| Lophius vomerinus | 13.01 | 4 | 1.65 | 1356 |
| Genypterus capensis | 11.65 | 2 | 1.47 | 1355 |
| Holothuria sp. | 11.65 | 35 | 1.47 | 0 |
| Coelorinchus braueri | 11.07 | 0 | 1.40 | |
| Selachophidium guentheri | 9.13 | 118 | 1.15 | |
| Hydrolagus sp. | 8.55 | 14 | 1.08 | |
| Malacocephalus laevis | 7.19 | 17 | 0.91 | |
| Raja leopardus | 5.83 | 6 | 0.74 | |
| Photichthys argenteus | 3.40 | 107 | 0.43 | |
| Etmopterus brachyurus | 3.30 | 27 | 0.42 | |
| Starfish | 3.30 | 0 | 0.42 | |
| Notacanthus sexspinis | 2.91 | 51 | 0.37 | |
| Coelorinchus matamua | 1.94 | 19 | 0.25 | |
| Bristle worms (straws) | 1.17 | 0 | 0.15 | |
| J E L L Y F I S H | 0.78 | 0 | 0.10 | |
| Raja confundens | 0.72 | 2 | 0.09 | |
| Funchalia woodwardi | 0.70 | 52 | 0.09 | |
| Plesionika martia | 0.64 | 126 | 0.08 | |
| Anemones, white | 0.45 | 2 | 0.06 | |
| Scopelosaurus herwigi | 0.41 | 4 | 0.05 | |
| Bassanago albescens | 0.40 | 4 | 0.05 | |
| Parapagurus pilosimanus | 0.28 | 10 | 0.03 | |
| Epigonus sp. | 0.15 | 2 | 0.02 | |
| Whelks | 0.11 | 2 | 0.01 | |
| Myxine capensis | 0.10 | 2 | 0.01 | |
| Merluccius paradoxus | 0.10 | 2 | 0.01 | 1361 |
| Lucigadus ori | 0.07 | 8 | 0.01 | |
| Tripterophycis gilchristi | 0.05 | 2 | 0.01 | |
| Plagiogeneion rubignosus | 0.04 | 2 | 0.01 | |
| PARALEPIDIDAE | 0.03 | 2 | 0.00 | |
| Symbolophorus boops | 0.01 | 2 | 0.00 | |
| Diaphus sp. | 0.01 | 2 | 0.00 | |
| Electrona risso | 0.00 | 2 | 0.00 | |
| Total | 790.63 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 132
DATE :13/02/2011 GEAR TYPE: BT NO: 24 POSITION:Lat S 30°20.04
start stop duration Lon E 14°49.44
TIME :08:28:53 08:59:28 30.6 (min) Purpose : 3
LOG : 5864.80 5866.30 1.5 Region : 6100
FDEPTH: 630 636 Gear cond.: 0
BDEPTH: 630 636 Validity : 0
Towing dir: 0° Wire out : 1200 m Speed : 2.9 kn
Sorted : 112 Total catch: 111.78 Catch/hour: 219.25

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Coelorinchus braueri | 47.07 | 25 | 21.47 | |
| Merluccius paradoxus | 41.19 | 37 | 18.79 | 1363 |
| Trachyscorpia eschmeyeri | 13.93 | 90 | 6.35 | 1366 |
| Selachophidium guentheri | 12.36 | 26 | 5.64 | 0 |
| Chaceon maritae | 11.77 | 1523 | 5.37 | |
| Funchalia woodwardi | 10.40 | 89 | 4.74 | |
| Raja leopardus | 7.85 | 4 | 3.58 | |
| Etmopterus brachyurus | 6.86 | 102 | 3.13 | |
| Bathyraja smithii | 6.47 | 2 | 2.95 | |
| Malacocephalus laevis | 6.08 | 22 | 2.77 | |
| Todarodes angolensis | 5.30 | 4 | 2.42 | 1364 |
| J E L L Y F I S H | 4.90 | 0 | 2.24 | |
| Photichthys argenteus | 4.71 | 44 | 2.15 | |
| Nezumia sp. | 4.32 | 0 | 1.97 | |
| Todarodes angolensis | 4.12 | 4 | 1.88 | 1365 |
| Raja confundens | 3.92 | 25 | 1.79 | |
| Merluccius paradoxus | 3.33 | 6 | 1.52 | 1362 |
| Anemones, pink | 2.75 | 8 | 1.25 | |
| Bristle worms (straws) | 2.55 | 0 | 1.16 | |
| Coelorinchus matamua | 2.55 | 25 | 1.16 | |
| Starfish | 1.96 | 0 | 0.89 | |
| Gymnoscopelus sp. | 1.96 | 206 | 0.89 | |
| Notacanthus sexspinis | 1.96 | 33 | 0.89 | |
| Selachophidium guentheri | 1.67 | 12 | 0.76 | |
| Lepidion capensis | 1.57 | 8 | 0.72 | |
| Myxine capensis | 1.08 | 14 | 0.49 | |
| Bathophilus sp. | 0.83 | 16 | 0.38 | |
| Neoscopelus macrolepidotus | 0.79 | 29 | 0.36 | |
| Holothuria sp. | 0.78 | 4 | 0.36 | |
| Anemones, white | 0.67 | 0 | 0.30 | |
| Hydrolagus sp. | 0.59 | 6 | 0.27 | |
| Raja confundens, juvenile | 0.55 | 8 | 0.25 | |
| Lycoteuthis lorigera | 0.46 | 16 | 0.21 | |
| Lycodes agulhensis | 0.29 | 2 | 0.13 | |
| Symbolophorus boops | 0.26 | 31 | 0.12 | |
| Avocettina acuticeps | 0.21 | 2 | 0.09 | |
| Rossia enigmatica | 0.16 | 8 | 0.07 | |
| Bathypolypus valdiviae | 0.14 | 4 | 0.06 | |
| Histioteuthis macrohista | 0.13 | 2 | 0.06 | |
| Raja leopardus, juvenile | 0.13 | 4 | 0.06 | |
| Hoplostethus cadenati | 0.12 | 4 | 0.06 | |
| Psychrolutes macrocephalus | 0.12 | 4 | 0.05 | |
| Chauliodus sloani | 0.10 | 6 | 0.04 | |
| Pasiphaea sp. | 0.09 | 20 | 0.04 | |
| Plesiopenaeus edwardsianus | 0.08 | 4 | 0.03 | |
| Tripterophycis gilchristi | 0.06 | 2 | 0.03 | |
| Electrona risso | 0.04 | 6 | 0.02 | |
| PARALEPIDIDAE | 0.02 | 4 | 0.01 | |
| Total | 219.25 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 133
DATE :13/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 30°5.41
start stop duration Lon E 14°47.67
TIME :11:07:41 11:38:18 30.6 (min) Purpose : 3
LOG : 5880.74 5882.10 1.4 Region : 6100
FDEPTH: 494 494 Gear cond.: 0
BDEPTH: 494 494 Validity : 0
Towing dir: 0° Wire out : 1110 m Speed : 2.7 kn
Sorted : 204 Total catch: 451.28 Catch/hour: 884.28

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 239.06 | 843 | 27.03 | 1376 |
| Merluccius paradoxus | 239.06 | 673 | 27.03 | 1375 |
| Helicolenus dactylopterus | 86.22 | 484 | 9.75 | 1368 |
| Coelorinchus braueri | 43.50 | 967 | 4.92 | |
| Ruvettus pretiosus | 35.27 | 2 | 3.99 | |
| Coelorinchus simorhynchus | 33.51 | 279 | 3.79 | |
| Notacanthus sexspinis | 30.57 | 459 | 3.46 | |
| Lophius vomerinus | 25.47 | 18 | 2.88 | 1369 |
| Merluccius paradoxus | 25.47 | 22 | 2.88 | 1374 |
| Genypterus capensis | 13.72 | 6 | 1.55 | 1370 |
| Hydrolagus sp. | 12.93 | 24 | 1.46 | |
| Raja leopardus | 11.95 | 4 | 1.35 | |
| Selachophidium guentheri | 11.76 | 181 | 1.33 | |
| Parapagurus pilosimanus | 10.58 | 353 | 1.20 | |
| Raja confundens | 6.66 | 10 | 0.75 | |
| Anemones, white | 5.88 | 65 | 0.66 | |
| Todarodes angolensis | 5.88 | 10 | 0.66 | 1372 |
| Starfish - fleshy | 5.88 | 0 | 0.66 | |
| Starfish | 5.29 | 0 | 0.60 | |
| Bassanago albescens | 4.35 | 12 | 0.49 | |
| Anemones, pink | 4.11 | 35 | 0.47 | |
| Todarodes angolensis | 3.72 | 4 | 0.42 | 1371 |
| J E L L Y F I S H | 2.94 | 0 | 0.33 | |
| PORIFERA (Sponges) | 2.94 | 71 | 0.33 | |
| Lucigadus ori | 2.66 | 222 | 0.30 | |
| Lepidopus caudatus | 2.35 | 2 | 0.27 | |
| Malacocephalus laevis | 2.16 | 12 | 0.24 | |
| Psychrolutes macrocephalus | 2.02 | 6 | 0.23 | |
| Holohalaelurus regani | 1.80 | 6 | 0.20 | |
| Merluccius paradoxus | 1.37 | 2 | 0.16 | 1373 |
| Anemones, red | 1.18 | 35 | 0.13 | |
| Hoplostethus mediterraneus | 0.85 | 12 | 0.10 | |
| Chaunax pictus | 0.83 | 6 | 0.09 | |
| Photichthys argenteus | 0.72 | 82 | 0.08 | |
| Whelks | 0.29 | 6 | 0.03 | |
| Parascorpis typus | 0.28 | 6 | 0.03 | |
| Lycoteuthis lorigera | 0.20 | 6 | 0.02 | |
| G A S T R O P O D S | 0.17 | 12 | 0.02 | |
| Epigonus sp. | 0.16 | 6 | 0.02 | |
| Tripterophycis gilchristi | 0.15 | 6 | 0.02 | |
| Rossia enigmatica | 0.13 | 6 | 0.01 | |
| Sipunculida | 0.09 | 0 | 0.01 | |
| Chaceon maritae | 0.08 | 6 | 0.01 | |
| Rochinia sp. | 0.05 | 12 | 0.01 | |
| Total | 884.28 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 134
DATE :13/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°58.56
start stop duration Lon E 15°5.02
TIME :14:31:31 15:01:41 30.2 (min) Purpose : 3
LOG : 5901.69 5903.23 1.5 Region : 6100
FDEPTH: 366 365 Gear cond.: 0
BDEPTH: 366 365 Validity : 0
Towing dir: 0° Wire out : 900 m Speed : 3.1 kn
Sorted : 353 Total catch: 623.42 Catch/hour: 1240.22

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Merluccius paradoxus | 177.06 | 1018 | 14.28 | 1382 |
| Merluccius paradoxus | 169.10 | 115 | 13.63 | 1383 |
| Coelorinchus simorhynchus | 123.34 | 4112 | 9.95 | |
| Helicolenus dactylopterus | 123.34 | 740 | 9.95 | 1385 |
| Anemones, pink | 91.27 | 507 | 7.36 | |
| Zeus capensis | 67.84 | 86 | 5.47 | 1389 |
| Scyliorhinus capensis | 55.70 | 86 | 4.49 | |
| Epigonus sp. | 55.50 | 853 | 4.48 | |
| Malacocephalus laevis | 51.80 | 173 | 4.18 | |
| Genypterus capensis | 51.72 | 52 | 4.17 | 1381 |
| Lophius vomerinus | 43.77 | 18 | 3.53 | 1377 |
| Todaropsis eblanae | 34.54 | 247 | 2.78 | 1387 |
| Galeus polli | 25.86 | 147 | 2.09 | |
| Holohalaelurus regani | 24.87 | 72 | 2.01 | |
| Lepidopus caudatus | 22.20 | 135 | 1.79 | |
| Centrolophus niger | 20.09 | 8 | 1.62 | |
| Thyrsites atun | 14.92 | 10 | 1.20 | 1379 |
| Merluccius paradoxus | 13.93 | 16 | 1.12 | 1384 |
| Starfish | 11.10 | 0 | 0.90 | |
| Merluccius capensis | 10.94 | 4 | 0.88 | 1380 |
| Squalus mitsukurii | 9.95 | 6 | 0.80 | |
| Black sand dollar | 7.88 | 86 | 0.64 | |
| Todarodes angolensis | 7.40 | 12 | 0.60 | 1386 |
| Cynoglossus zanzibarensis | 7.40 | 123 | 0.60 | 1388 |
| Rossia enigmatica | 5.17 | 173 | 0.42 | |
| Sea pens | 2.47 | 12 | 0.20 | |
| Todarodes angolensis | 2.19 | 2 | 0.18 | 1378 |
| PORIFERA (Sponges) | 1.99 | 2 | 0.16 | |
| Cyttus traversi | 1.97 | 12 | 0.16 | |
| Raja leopardus | 1.39 | 2 | 0.11 | |
| Whelks | 0.86 | 12 | 0.07 | |
| Lucigadus ori | 0.69 | 62 | 0.06 | |
| Paracallionymus costatus | 0.68 | 86 | 0.05 | |
| Bathynectes piperitus | 0.62 | 24 | 0.05 | |
| Rochinia sp. | 0.25 | 12 | 0.02 | |
| Notacanthus sexspinis | 0.25 | 12 | 0.02 | |
| Tripterophycis gilchristi | 0.12 | 12 | 0.01 | |
| Stereomastis sp. | 0.05 | 12 | 0.00 | |
| Total | 1240.22 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 135
DATE :13/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°48.28
start stop duration Lon E 15°13.56
TIME :17:00:31 17:30:45 30.2 (min) Purpose : 3
LOG : 5916.13 5917.64 1.5 Region : 6100
FDEPTH: 229 226 Gear cond.: 0
BDEPTH: 229 226 Validity : 0
Towing dir: 0° Wire out : 550 m Speed : 3.0 kn
Sorted : 711 Total catch: 738.15 Catch/hour: 1464.58

| SPECIES | CATCH/HOUR weight | numbers | % OF TOT. C | SAMP |
|---|---|---|---|---|
| Zeus capensis | 942.46 | 3717 | 64.35 | 1390 |
| Thyrsites atun | 123.02 | 105 | 8.40 | 1398 |
| Galeorhinus galeus | 63.49 | 4 | 4.34 | |
| Chelidonichthys queketti | 59.52 | 343 | 4.06 | 1391 |
| Merluccius capensis | 35.71 | 14 | 2.44 | 1400 |
| Chelidonichthys capensis | 32.74 | 34 | 2.24 | 1392 |
| Squalus mitsukurii | 25.79 | 38 | 1.76 | |
| Parapagurus pilosimanus | 23.81 | 3014 | 1.63 | |
| Helicolenus dactylopterus | 23.81 | 173 | 1.63 | 1393 |
| Lepidopus caudatus | 19.84 | 133 | 1.35 | |
| J E L L Y F I S H | 15.87 | 0 | 1.08 | |
| Malacocephalus laevis | 12.30 | 60 | 0.84 | |
| Callorhinchus capensis | 9.92 | 4 | 0.68 | |
| Sepia australis | 8.33 | 694 | 0.57 | |
| Black sand dollar | 7.54 | 91 | 0.51 | |
| Emmelichthys nitidus | 7.54 | 151 | 0.51 | |
| Congiopodus spinifer | 6.19 | 24 | 0.42 | |
| Merluccius capensis | 4.96 | 4 | 0.34 | 1399 |
| Etrumeus whiteheadi | 4.76 | 52 | 0.33 | |
| Cynoglossus zanzibarensis | 4.76 | 52 | 0.33 | 1402 |
| Holohalaelurus regani | 4.56 | 18 | 0.31 | |
| Coelorinchus simorhynchus | 4.37 | 36 | 0.30 | |
| Mustelus palumbes | 4.17 | 2 | 0.28 | |
| Todaropsis eblanae | 3.97 | 83 | 0.27 | 1401 |
| Notopogon macrosolen | 2.38 | 87 | 0.16 | |
| Lophius vomerinus | 2.38 | 2 | 0.16 | 1394 |
| Loligo reynaudi | 1.69 | 4 | 0.12 | 1397 |
| Todarodes angolensis | 1.59 | 2 | 0.11 | 1396 |
| PORIFERA (Sponges) | 1.39 | 2 | 0.09 | |
| Trachurus capensis | 1.29 | 4 | 0.09 | 1395 |
| Cruriraja parcomaculata | 1.19 | 2 | 0.08 | |
| Starfish | 1.03 | 0 | 0.07 | |
| Lophius vomerinus | 0.83 | 4 | 0.06 | 1403 |
| Paracallionymus costatus | 0.44 | 103 | 0.03 | |
| Helicolenus dactylopterus | 0.37 | 28 | 0.02 | 1404 |
| Rochinia sp. | 0.27 | 20 | 0.02 | |
| Bathynectes piperitus | 0.17 | 8 | 0.01 | |
| Mursia cristimanus | 0.06 | 4 | 0.00 | |
| Anemones, red | 0.06 | 8 | 0.00 | |
| Total | 1464.58 | | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 136
DATE :14/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°33.44
start stop duration Lon E 15°42.30
TIME :04:23:09 04:53:12 30.1 (min) Purpose : 3
LOG : 5957.01 5958.41 1.4 Region : 6100
FDEPTH: 179 179 Gear cond.: 0
BDEPTH: 179 179 Validity : 0
Towing dir: 0° Wire out : 450 m Speed : 2.8 kn
Sorted : 161 Total catch: 195.34 Catch/hour: 389.90

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Chelidonichthys capensis | 73.85 | 160 18.94 | 1405 |
| Merluccius capensis | 45.91 | 32 11.77 | 1412 |
| Merluccius capensis | 31.94 | 78 8.19 | 1411 |
| Black sand dollar | 27.94 | 368 7.17 | |
| Paracallionymus costatus | 26.35 | 5166 6.76 | |
| Merluccius capensis | 24.95 | 24 6.40 | 1413 |
| Etrumeus whiteheadi | 21.96 | 281 5.63 | |
| Raja straeleni | 20.96 | 32 5.38 | |
| Lophius vomerinus | 17.96 | 24 4.61 | 1408 |
| Chelidonichthys queketti | 11.18 | 98 2.87 | 1407 |
| Merluccius paradoxus | 11.18 | 2314 2.87 | 1414 |
| Holohalaelurus regani | 8.78 | 32 2.25 | |
| Callorhinchus capensis | 7.98 | 2 2.05 | |
| Sepia australis | 7.58 | 948 1.95 | |
| Emmelichthys nitidus | 7.19 | 359 1.84 | |
| Zeus capensis | 7.19 | 88 1.84 | 1417 |
| Mustelus palumbes | 3.99 | 2 1.02 | |
| Genypterus capensis | 3.99 | 10 1.02 | 1406 |
| Cynoglossus zanzibarensis | 3.79 | 64 0.97 | 1416 |
| Todarodes angolensis | 3.39 | 4 0.87 | 1410 |
| Lepidopus caudatus | 3.19 | 40 0.82 | |
| Congiopodus spinifer | 2.28 | 16 0.58 | |
| Yellow sponges | 2.00 | 0 0.51 | |
| Thyrsites atun | 2.00 | 2 0.51 | 1409 |
| Coelorinchus simorhynchus | 1.60 | 16 0.41 | |
| Macropipus australis | 1.60 | 52 0.41 | |
| Raja wallacei | 1.40 | 2 0.36 | |
| Trachurus capensis | 1.20 | 4 0.31 | 1421 |
| J E L L Y F I S H | 1.20 | 0 0.31 | |
| Todaropsis eblanae | 1.08 | 40 0.28 | 1418 |
| Gorgonians | 0.87 | 4 0.22 | |
| Whelks | 0.81 | 12 0.21 | |
| Merluccius paradoxus | 0.68 | 8 0.17 | 1415 |
| Helicolenus dactylopterus | 0.40 | 24 0.10 | 1419 |
| Starfish | 0.40 | 0 0.10 | |
| Brown sand dollar | 0.40 | 16 0.10 | |
| Chelidonichthys queketti | 0.40 | 8 0.10 | 1420 |
| Notopogon macrosolen | 0.22 | 16 0.06 | |
| Parapagurus dimorphus | 0.07 | 8 0.02 | |
| Exodromidia sp. | 0.05 | 8 0.01 | |
| Lolliguncula mercatoris | 0.01 | 4 0.00 | |
| Total | 389.90 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 137
DATE :14/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°26.12
start stop duration Lon E 15°57.57
TIME :07:03:33 07:34:07 30.6 (min) Purpose : 3
LOG : 5975.37 5976.87 1.5 Region : 6100
FDEPTH: 179 178 Gear cond.: 0
BDEPTH: 179 178 Validity : 0
Towing dir: 0° Wire out : 450 m Speed : 2.9 kn
Sorted : 83 Total catch: 481.55 Catch/hour: 945.46

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Merluccius paradoxus | 206.15 | 5580 21.80 | 1429 |
| Sepia australis | 153.93 | 8599 16.28 | |
| Brown sand dollar | 104.45 | 2089 11.05 | |
| Etrumeus whiteheadi | 85.21 | 2841 9.01 | |
| J E L L Y F I S H | 68.72 | 0 7.27 | |
| Paracallionymus costatus | 54.97 | 3524 5.81 | |
| Merluccius capensis | 49.08 | 114 5.19 | 1424 |
| Merluccius paradoxus | 43.98 | 3216 4.65 | 1431 |
| Coelorinchus simorhynchus | 32.98 | 1099 3.49 | |
| Helicolenus dactylopterus | 30.24 | 2034 3.20 | 1427 |
| Lophius vomerinus | 23.56 | 59 2.49 | 1422 |
| Starfish | 15.94 | 0 1.69 | |
| Chelidonichthys capensis | 13.74 | 35 1.45 | 1423 |
| Genypterus capensis | 13.74 | 165 1.45 | 1428 |
| Brama brama | 8.44 | 4 0.89 | 1425 |
| Congiopodus spinifer | 7.26 | 55 0.77 | |
| Yellow sponges | 5.89 | 0 0.62 | |
| Cynoglossus zanzibarensis | 5.50 | 247 0.58 | 1430 |
| SALPS | 5.50 | 0 0.58 | |
| Todaropsis eblanae | 4.12 | 192 0.44 | 1432 |
| Macropipus australis | 3.57 | 82 0.38 | |
| Gnathophis capensis | 2.47 | 27 0.26 | |
| Holohalaelurus regani | 2.31 | 27 0.24 | |
| Todarodes angolensis | 1.77 | 2 0.19 | 1426 |
| Lepidopus caudatus | 1.46 | 27 0.15 | |
| Exodromidia sp. | 0.25 | 27 0.03 | |
| Sepia hieronis | 0.22 | 27 0.02 | |
| Total | 945.46 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 138
DATE :14/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°17.89
start stop duration Lon E 16°16.46
TIME :09:56:29 10:29:19 32.8 (min) Purpose : 3
LOG : 5996.68 5998.35 1.7 Region : 6100
FDEPTH: 157 157 Gear cond.: 0
BDEPTH: 157 157 Validity : 0
Towing dir: 0° Wire out : 370 m Speed : 3.1 kn
Sorted : 150 Total catch: 281.88 Catch/hour: 515.01

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Etrumeus whiteheadi | 127.89 | 2132 24.83 | |
| Yellow sponges | 54.81 | 0 10.64 | |
| Raja alba | 45.68 | 2 8.87 | |
| Raja straeleni | 37.45 | 15 7.27 | |
| Pterygosquilla armata capensis | 34.71 | 3471 6.74 | |
| J E L L Y F I S H | 27.41 | 0 5.32 | |
| Mustelus mustelus | 27.41 | 0 5.32 | |
| Merluccius capensis | 25.58 | 139 4.97 | 1436 |
| Sepia australis | 21.92 | 1044 4.26 | |
| Merluccius paradoxus | 20.65 | 457 4.01 | 1438 |
| Paracallionymus costatus | 19.64 | 1637 3.81 | |
| Starfish | 18.27 | 0 3.55 | |
| Chelidonichthys capensis | 13.34 | 57 2.59 | 1435 |
| SALPS | 12.79 | 0 2.48 | |
| Yellow sponges | 7.49 | 0 1.45 | 0 |
| Brama brama | 4.02 | 2 0.78 | 1433 |
| Macropipus australis | 2.38 | 73 0.46 | |
| Sufflogobius bibarbatus | 2.28 | 326 0.44 | |
| Thyrsites atun | 2.19 | 2 0.43 | 1434 |
| Maurolicus muelleri | 1.83 | 0 0.35 | |
| Merluccius paradoxus | 1.83 | 29 0.35 | 1437 |
| Todaropsis eblanae | 1.37 | 37 0.27 | 1440 |
| Helicolenus dactylopterus | 0.91 | 64 0.18 | 1441 |
| Whelks | 0.75 | 9 0.15 | |
| Merluccius paradoxus | 0.64 | 46 0.12 | 1439 |
| Lepidopus caudatus | 0.64 | 18 0.12 | |
| Genypterus capensis | 0.46 | 18 0.09 | 1442 |
| Cynoglossus zanzibarensis | 0.31 | 9 0.06 | 1443 |
| Turitella | 0.15 | 9 0.03 | |
| Nudibranchs | 0.09 | 9 0.02 | |
| Lophius vomerinus | 0.06 | 9 0.01 | 1444 |
| Lolliguncula mercatoris | 0.06 | 27 0.01 | |
| Total | 515.01 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 139
DATE :14/02/2011 GEAR TYPE: BT NO: 21 POSITION:Lat S 29°7.05
start stop duration Lon E 16°27.44
TIME :12:18:52 12:49:24 30.5 (min) Purpose : 3
LOG : 6012.65 6014.12 1.5 Region : 6100
FDEPTH: 130 130 Gear cond.: 0
BDEPTH: 130 130 Validity : 0
Towing dir: 0° Wire out : 320 m Speed : 2.9 kn
Sorted : 92 Total catch: 284.89 Catch/hour: 559.70

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| J E L L Y F I S H | 235.76 | 0 42.12 | |
| Merluccius capensis | 178.78 | 1361 31.94 | 1449 |
| Pterygosquilla armata capensis | 55.01 | 5075 9.83 | |
| Merluccius capensis | 26.92 | 1314 4.81 | 1450 |
| Macropipus australis | 19.65 | 53 3.51 | |
| Genypterus capensis | 7.86 | 18 1.40 | 1448 |
| CYPRAEIDAE (Bulia) | 4.91 | 157 0.88 | |
| Chelidonichthys capensis | 4.91 | 22 0.88 | 1445 |
| Merluccius capensis | 3.93 | 4 0.70 | 1447 |
| SALPS | 3.28 | 0 0.59 | |
| Whelks | 3.28 | 59 0.59 | |
| Lolliguncula mercatoris | 3.10 | 141 0.55 | |
| Lepidopus caudatus | 2.69 | 149 0.48 | |
| Starfish white 5 arms | 2.03 | 244 0.36 | |
| Austroglossus microlepis | 1.96 | 6 0.35 | 1446 |
| Sufflogobius bibarbatus | 1.75 | 330 0.31 | |
| Coelorinchus simorhynchus | 1.26 | 14 0.22 | |
| Lampanyctodes hectoris | 0.59 | 0 0.11 | |
| Todaropsis eblanae | 0.46 | 20 0.08 | 1451 |
| Exodromidia sp. | 0.33 | 255 0.06 | |
| Sebastes capensis | 0.29 | 2 0.05 | |
| Nudibranchs | 0.29 | 39 0.05 | |
| Cone gastropod | 0.24 | 14 0.04 | |
| Goneplax angulata | 0.22 | 39 0.04 | |
| Mursia cristimanus | 0.10 | 14 0.02 | |
| Solenocera africana | 0.10 | 6 0.02 | |
| Jasus lalandii | 0.00 | 20 0.00 | 1453 |
| Jasus lalandii | 0.00 | 6 0.00 | 1452 |
| Total | 559.70 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 140
DATE :14/02/2011 GEAR TYPE: PT NO: 1 POSITION:Lat S 27°58.11
start stop duration Lon E 15°31.92
TIME :21:18:45 21:34:47 16.0 (min) Purpose : 3
LOG : 6097.39 6098.33 0.9 Region : 6100
FDEPTH: 42 42 Gear cond.: 0
BDEPTH: 89 91 Validity : 0
Towing dir: 0° Wire out : 110 m Speed : 3.5 kn
Sorted : 70 Total catch: 70.00 Catch/hour: 261.85

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| Aequorea forskalea | 224.44 | 0 85.71 | |
| Chrysaora sp. | 37.41 | 7 14.29 | |
| Merluccius capensis, juvenile | 0.00 | 75 0.00 | |
| Sepia australis | 0.00 | 0 0.00 | |
| Lepidopus sp., juvenile | 0.00 | 11 0.00 | |
| Trachurus capensis, juvenile | 0.00 | 4 0.00 | |
| Total | 261.85 | 100.00 | |

R/V Dr. Fridtjof Nansen SURVEY:2011401 STATION: 141
DATE :16/02/2011 GEAR TYPE: PT NO: 1 POSITION:Lat S 23°14.94
start stop duration Lon E 14°22.69
TIME :01:28:18 01:47:22 19.1 (min) Purpose : 3
LOG : 6390.18 6391.20 1.0 Region : 6100
FDEPTH: 47 30 Gear cond.: 0
BDEPTH: 59 63 Validity : 0
Towing dir: 0° Wire out : 160 m Speed : 3.2 kn
Sorted :5005 Total catch: 5005.00 Catch/hour: 15747.25

| SPECIES | CATCH/HOUR weight | % OF TOT. C numbers | SAMP |
|---|---|---|---|
| J E L L Y F I S H | 15731.52 | 0 99.90 | |
| XXXXXXX | 15.73 | 3 0.10 | |
| Chelidonichthys sp., juvenile | 0.00 | 0 0.00 | |
| Merluccius capensis, juvenile | 0.00 | 0 0.00 | |
| Trachurus capensis, juvenile | 0.00 | 0 0.00 | |
| Total | 15747.25 | 100.00 | |

## Annex 2 Instruments and fishing gear

The Simrad ER-60/18, 38, 120 and 200 kHz scientific sounder was run during the survey for fish observation and bottom conditions.

Standard sphere calibrations were carried out using 38.1 mm diameter tungsten carbide sphere for 18, 38, 120 and 200 kHz. The last calibrations took place 23.07.2010 at Baía dos Elefantes. The details of the settings of the 38 kHz echo sounder where as follows:

**Transceiver-2 menu (38 kHz)**

| | |
|---|---|
| Transducer depth | 5.50/7.0 m |
| Absorption coefficient | 8.7 dB/km |
| Pulse length | medium (1,024ms) |
| Bandwidth | 2.43 kHz |
| Max power | 2000 Watt |
| 2-way beam angle | -20,6dB |
| Gain | 25.99 dB |
| SA correction | -0.59 dB |
| Angle sensitivity | 21.9 |
| 3 dB beam width | 6.74º along ship |
| | 6.77º athwart ship |
| Along ship offset | 0.13º |
| Athwart ship offset | 0.04º |

**Bottom detection menu**

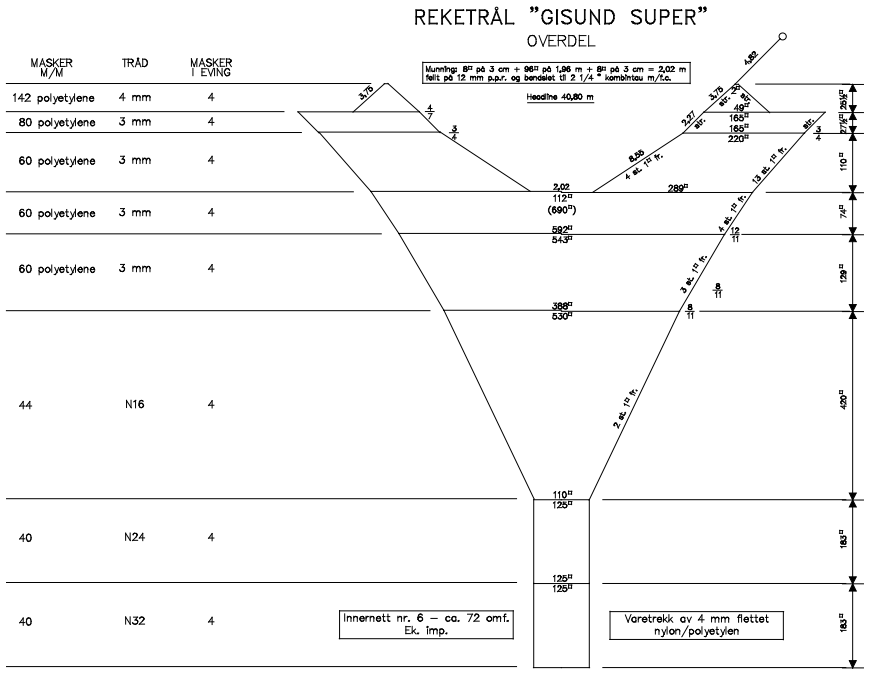
| | |
|---|---|
| Minimum level | -45 dB |

**Fishing gear**

The vessel has two different sized "Åkrahamn" pelagic trawls and one "Gisund super bottom trawl". Trawls were used for identification of acoustic targets only.

The bottom trawl has a headline of 31 m, footrope 47 m and 20 mm mesh size in the cod end with an inner net of 10 mm mesh size. The trawl height was about 4.5 m and distance between wings during towing about 21 m. The sweeps are 40 m long. The trawl is equipped with a 12" rubber bobbins gear. New doors are 'Thyborøn' combi type, 7.41 $m^2$, 1720 kg. These have been in use onboard since 19.02.08.

The SCANMAR system was used on all trawl hauls. This equipment consists of sensors, a hydrophone, a receiver, a display unit and a battery charger. Communication between sensors and ship is based on acoustic transmission. The doors are fitted with sensors to provide information on their distance, and the trawl was equipped with a trawl eye that provides information about the trawl opening. A catch sensor on the cod-end indicated the size of the catch.



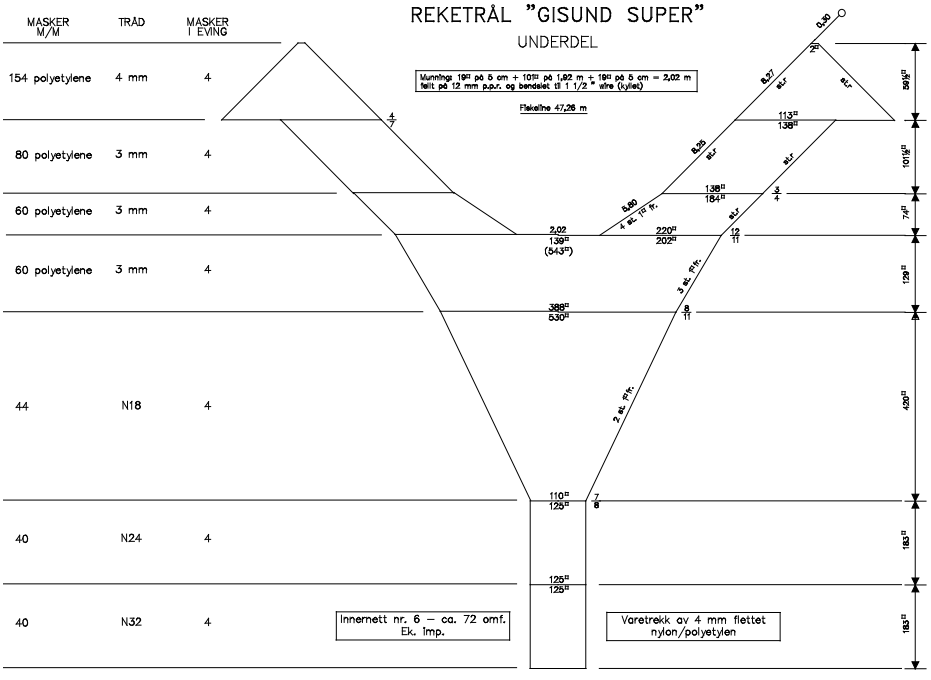




**Figure 1** Design of the trawl used.

**Figure 2** Schematic drawing of the ground gear used in the experiment.

## Annex 3 Depth strata in $MN^2$ by latitude in Namibia and South Africa.

**NAMIBIA. Depth strata by $1^o$ latitude in $NM^2$**

*(Based on echo soundings from Nansen surveys 1996-2003. Depths from surface to bottom). 02.02.2003 OBA*

| | 0-50 m | 50-100 m | 100-200m | 200-300m | 300-400m | 400-500m | 500-600m | 600-700m | 700-800m | 800-900m | 900-1000m | Total | 0-600m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $17^o15'$-$18^o$ | 47 | 162 | 490 | 243 | 95 | 63 | 65 | 46 | 46 | 54 | 47 | 1360 | 1165 |
| 18-$19^o$ | 287 | 324 | 783 | 822 | 154 | 128 | 119 | 101 | 100 | 87 | 128 | 3033 | 2618 |
| 19-$20^o$ | 186 | 435 | 1259 | 810 | 1090 | 328 | 287 | 266 | *192* | *241* | *220* | 5314 | 4396 |
| 20-$21^o$ | 229 | 401 | 1378 | 883 | 987 | 286 | 265 | 258 | *272* | *281* | *280* | 5519 | 4429 |
| 21-$22^o$ | 372 | 547 | 1644 | 563 | 893 | 257 | 201 | 200 | *199* | *184* | *179* | 5238 | 4477 |
| 22-$23^o$ | 479 | 709 | 2196 | 1086 | 929 | 154 | 126 | 127 | 108 | 97 | *142* | 6153 | 5678 |
| 23-$24^o$ | 244 | 376 | 2006 | 1074 | 670 | 238 | 153 | 175 | 139 | *136* | *130* | 5340 | 4760 |
| 24-$25^o$ | 394 | 433 | 1343 | 822 | 753 | 238 | 149 | 161 | 162 | 166 | 144 | 4764 | 4131 |
| 25-$26^o$ | 204 | 415 | 1580 | 1102 | 529 | 227 | 166 | 155 | 161 | 153 | *125* | 4817 | 4223 |
| 26-$27^o$ | 216 | 184 | 894 | 986 | 1408 | 744 | 140 | *133* | *139* | *131* | *119* | 5095 | 4573 |
| 27-$28^o$ | 119 | 244 | 1269 | 527 | 858 | 480 | 205 | 170 | | | | 3872 | 3702 |
| 28-$29^o$ | 211 | 390 | 4207 | *391* | 153 | 123 | 164 | | | | | 5639 | 5639 |
| 29-$30^o$ | 0 | 0 | 1042 | 533 | 327 | 276 | 162 | 167 | 107 | 121 | 121 | 2859 | 2341 |
| $30^o$-S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 8 | 0 |
| | | | | | | | | | | | | | |
| North | 750 | 1322 | 3911 | 2759 | 2326 | 806 | 736 | 670 | 610 | 663 | 675 | 15226 | 12608 |
| Central | 1489 | 2064 | 7189 | 3544 | 3245 | 887 | 627 | 664 | 608 | 582 | 595 | 21494 | 19046 |
| South | 750 | 1234 | 8992 | 3540 | 3276 | 1850 | 837 | 625 | 408 | 407 | 371 | 22290 | 20478 |
| | | | | | | | | | | | | | |
| Total | 2988 | 4620 | 20091 | 9842 | 8848 | 3543 | 2200 | 1960 | 1625 | 1652 | 1642 | 59003 | 52132 |

Areas in *Italics*: few soundings, interpolated

Open areas: no or very few soundings

**South Africa. Depth strata by 1° latitude in NM²**

*(Based on echo soundings from Nansen surveys 1996-2004. Depths from surface to bottom).* *10.03.2004 OBA*

| | 0-100 m | 100-200m | 200-300m | 300-400m | 400-500m | 500-600m | 600-700m | 700-800m | 800-900m | 900-1000m | Total | 0-500 m | 0-600m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28°40'-29° | 186 | 303 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 489 | 489 | 489 |
| 29-30° | 359 | 4348 | 451 | 195 | 202 | 23 | 7 | 2 | 0 | 0 | 5588 | 5556 | 5579 |
| 30-31° | 200 | 2481 | 3443 | 460 | 465 | 262 | 177 | 135 | 193 | 149 | 7965 | 7049 | 7311 |
| 31-32° | 288 | 2187 | 1794 | 1209 | 894 | 493 | 211 | 173 | 180 | 149 | 7577 | 6371 | 6864 |
| 32-33° | 839 | 1308 | 1318 | 1303 | 432 | 156 | 122 | 111 | 109 | 116 | 5815 | 5201 | 5357 |
| 33-34° | 654 | 833 | 546 | 375 | 381 | 247 | 243 | 117 | 120 | 102 | 3617 | 2789 | 3036 |
| 34-35° | 1280 | 1376 | 662 | 496 | 259 | 134 | 80 | 69 | 53 | 66 | 4475 | 4074 | 4208 |
| 35-36° | 25 | 1901 | 778 | 168 | 143 | 131 | 89 | 86 | 59 | 84 | 3464 | 3015 | 3146 |
| 36-37° | | | | | | | | | | | | | |
| Total | 3830 | 14737 | 8992 | 4207 | 2777 | 1446 | 929 | 692 | 714 | 666 | 38989 | 34543 | 35989 |

**South Africa. Depth strata by regions in NM²** *26.08.2005 OBA*

| | 0-100 m | 100-200m | 200-300m | 300-400m | 400-500m | 500-600m | 600-700m | 700-800m | 800-900m | 900-1000m | Total | 0-500 m | 0-600m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oranjemund-S. Hondeklip Bay | 742 | 6835 | 4262 | 1062 | 1152 | 634 | 314 | 262 | 282 | 230 | 15776 | 14054 | 14688 |
| S. Hondeklip Bay-n Saldanha | 1169 | 3593 | 2685 | 2257 | 1088 | 454 | 392 | 224 | 242 | 230 | 12333 | 10792 | 11245 |
| n Saldanha-C. of Good Hope | 746 | 982 | 935 | 598 | 325 | 154 | 89 | 83 | 59 | 77 | 4047 | 3586 | 3740 |
| C. of Good Hope-C. Agulhas | 1131 | 3098 | 998 | 473 | 202 | 167 | 104 | 81 | 58 | 87 | 6397 | 5901 | 6068 |
| Total | 3787 | 14508 | 8881 | 4390 | 2767 | 1409 | 898 | 650 | 641 | 624 | 38554 | 34333 | 35741 |